



# ANNUAL PLAN OF OPERATION 2020-21



State Authority  
Compensatory Afforestation Fund, Odisha

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# PART - 1

BRIEF HISTORY

&

PAST PERFORMANCE

## **PART I**

### **Brief History and Past Performance**

#### **(a) Brief description of Forest & Forestry Sector in the State.**

Odisha is situated at the eastern part of the peninsular India bounded by Bay of Bengal in East and Chhattisgarh to the west and North-west, West Bengal at north-east. Jharkhand to north, Andhra Pradesh to south. Topography of Odisha comprises fertile coastal plains to the east, mountainous and highlands and plateau regions at center, rolling uplands on the west and main flood plains. The highest mountain peak is Deomali (1672 mts) in Koraput District. The state of Odisha is located between the parallels of 17.49N and 22.34N latitudes and meridians of 81.27E and 87.29E longitudes. Covering an area of 155,707 Square Kilometers (4.74% of the total geographical area of the country), physiographically, the state can be divided into five regions, viz, Utkal plains or the coastal plains in the east, the central plateaus, Central mountainous and highland region and the western rolling uplands and the main flooding plains. It has a coast line of about 482 kilometers stretched across the Bay of Bengal on its east, from Balasore to Ganjam having virgin beaches in Puri, Konark, Chandipur etc. Rivers like Mahanadi, Brahmani, Baitarani, Rushikulya etc are glories of Odisha State. The Scenic waterfalls of Khandadhar, Putudi, Bareipani, Joranda etc are most exciting. The virgin green forests of blue hills of Eastern Ghats with rich wild life in Similipal National park, Bhitarkanika wildlife sanctuaries etc are also exemplary. The state has rich mineral belts in the western and north-western parts of the state and having monumental exquisite temples like Puri (temple of Lord Jagannath), Konark (Black pagoda), etc

The average annual rainfall varies from about 1,200 mm to about 1,600 mm and the average annual temperature varies from 25<sup>o</sup> C - 28<sup>o</sup>C. The drainage system of the state is well maintained by a number of important rivers, which includes Mahanadi, Brahmani, Baitarni, Rushikulya etc and its tributaries. The state has 30 districts, among which 12 are tribal districts. The total population of the state is 4.20 Cr and the percentage of female, male are 49.5 and 50.5 respectively. The Tribal populations of the state constitute more than 22.85% of the state's population. As per the 2011 census, The rural, urban and tribal population constitutes 83.32%, 16.68% and 22.85% respectively. The population density of the state is 269 per Square Kilometer, which is lower than the national average of 382 persons per Square Kilometer. The 19<sup>th</sup> Livestock census 2012 has reported a total livestock population of 20.73 million in the state.

## ❖ Forest Area

Total Geographical Area	1, 55,707 Sq Km
Recorded Forest area	61,204.17Sq m
Forest Cover within Recorded Forest Area	34,116 Sq Km
Forest Cover outside Recorded Forest Area	17,229 sq Km
Forest Cover Area	51,618.51 Sq Km
Tree Cover (Outside Forest Area)	3,993 Sq Km
Total Forest & Tree Cover	55, 338 Sq Km
Per capita Forest Area (Recorded)	0.146 ha
Per capita Forest & Tree Cover	0.132 ha
Percentage of Forest Area (Recorded) to Geographical Area	39.31 %
Percentage of Forest & Tree Cover to Geographical Area	35.54 %

## ❖ Forest and Tree Cover in Odisha

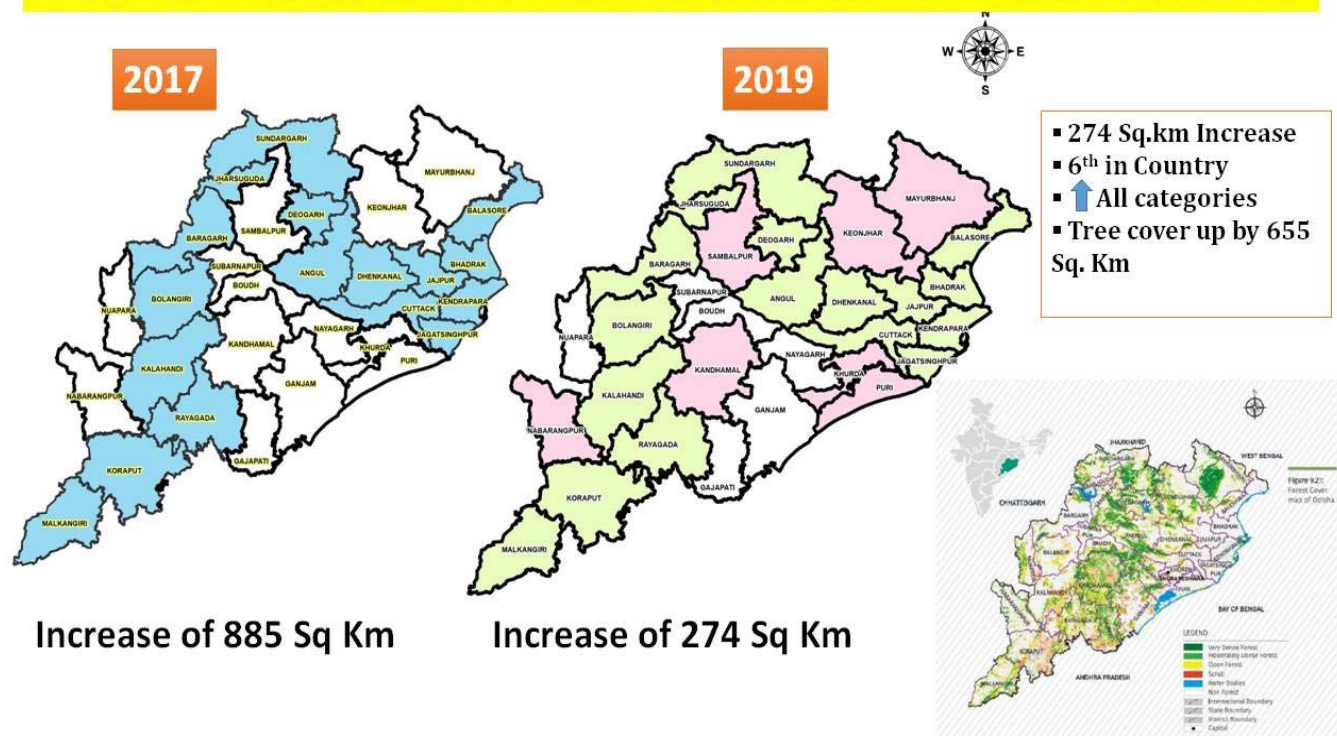
The biennial forest cover assessment initiated in the year 1987. Basing on Satellite imagery, the forest and tree cover of the State is being assessed and published in every two years by the Forest Survey of India. The Recorded Forest area of the state is 61,204.17 square kilometer which is 39.31% to Geographical area. As per 2019 assessment by Forest Survey of India, the total forest cover in the State has enhanced by 0.53 percent in 2019 as compared to 2017 due to intensive forestry activities and reached 51618.51 Square kilometer i.e. 33.15% of the geographical area while tree cover of the State is 3993 square kilometer i.e. 2.56% of geographical area indicating per capita Forest area (recorded) as 0.146 hectare and per capita Forest & Tree cover as 0.132 hectare. The Forest cover of the state has been increased in 2019 forest survey over 273.51 sq kilometer and categorized as very dense (6,970square kilometer), moderately dense (21,552 square kilometer), open forest (23,097 square kilometer) and scrub (4,306 square kilometers). i.e. Sal is major tree species in Odisha forests & all its associates are found abundantly.



## The forest cover of the Odisha State in 10 assessment years ( in Sq. Km)

India State of Forest Report	Very Dense	Dense	Moderately dense	Open Forest	Total	Scrub	Tree cover	Mangrove
2019	6970		21552	23097	51619	4327	4648	251
2017	6967	---	21370	23008	51345	4306	3993	243
2015	6985	---	21470	22005	50460	4499	3986	231
2013	7042	---	21298	22007	50347	4424	4013	213
2011	7060	---	21366	20477	48903	4734	4301	222
2009	7073	---	21394	20388	48855	4852	4435	221
2005	538	---	27656	20180	48374	4743	4589	203
2003	288	---	27882	20196	48366	---	---	207
2001	---	27972	---	20866	48838	5782	---	211
1999	---	26288	---	20745	47033	5489	---	215

### INCREASING FOREST COVER IN DIFFERENT DISTRICTS OF ODISHA AS PER ISFR



**(b)-1 Comansatory Afforestation, Other forestry and related schemes(Physical & financial) including catchment area treatment, Wildlife management & community development works in the State in last five yea**

**(1) Compensatory Afforestation of Last Five Years 2014-15 to 2019-20.**

Sl No	Financial Year	Compensatory Afforestation (ha)				Other stipulations					Grand Total Area in Ha./ RKM/ No of saplings)	Expen. In lakhs
		AR.	ANR	Bald Hill.	Total	AR.	ANR	Bald Hill	Total.	Avenue plantation in Nos & RKM		
1	2014-15	654.06	4885.99	0	5540.05	2.63	30.30	0	32.93	750 nos	5572.98 ha +750 nos	964.42
2	2015-16	633.79	4030.61	0	4664.40	49.36	5739.61	0.00	5788.97	35382 Nos +30.44 RKM	10453.37 Ha + 30.44 RKM + 35382 Nos	2713.59
3	2016-17	547.94	2585.71	0	3133.65	36.51	4560.79	168.6	4765.90	27300 Nos + 4000 Nos	7899.55 Ha + 27300 Nos +4000 Nos	3477.66
4	2017-18	73.92	1530.08	65.00	1669.00	0.65	36.42	0	37.07	44681 Nos	1706.07 Ha + 44681 Nos	1735.53
5	2019-20 (Continuing)	526.64	2689.00	314.73	3530.37	20.79	1759.21	155.75	1935.75	31.1	5466.12 HA + 31.1 RKM	3507.92

**(b)-2 Physical & Financial achievement on forestry related schemes for the last five year under CAMPA APO 2014-15 to 2019-20.**

❖ For APO 2019-20, the physical target and Budgeted expenditure mentioned.

Sl No	Components	APO 2014-15		APO 2015-16		APO 2016-17		APO 2017-18		APO 2019-20 (Continuing)	
		Phy.	Fin. In lakhs	Phy.	Fin. In lakhs	Phy.	Fin. In lakhs	Phy.	Fin. In lakhs	Phy.	Fin. In lakhs
1	Regeneration of Bamboo Forest	92755	1850.67	127985	2521.38	132420	2737.79	90080	1181.42	70950	1625.76
2	Bamboo Plantation	24044	353.16	12356	151.16	0	167.85	0	288.23	2000	669.96
3	Block Plantation	0	0	0	0	0	0	0	629.97	2000	992.145
4	ANR Plantation	43640	8692.64	93070	16259.71	0	8707.41	85405	16637	20400	4232.91
5	Management of Old Teak	169862	3324.86	0	0	0	0	0	0	-	-
6	Bald Hill Plantation	0	968.37	990	750.53	0	1011.66	950	831.68	-	-
7	Conservation of MPCAs & Vanaspati Van	0	0	0	0	0	0	0	0	-	-
8	Forest Protection		3037.78		3636.15		4131.16		4789.60	-	5415.29
9	Infrastructure Development		4531.74		5008.53		4438.7		5111.5		3786.71
10	Avenue plantation									76	93.57

**(b)-3 Physical and Financial achievement on wildlife management during CAMPA APO 2014-15 to 2019-20.**

***Financial Achievement (in Lakhs)***

<b>APO</b>	<b>Protection Activities</b>	<b>Anti-depredation Activities</b>	<b>Habitat Improvement</b>	<b>Management of Zoo &amp;PA</b>	<b>Implementation of Site Specific Wildlife Conservation Plan</b>	<b>Other Works</b>	<b>Total amount in Lakhs</b>
2014-15	694.69	2026.48	1359.85	133.57	513.14	1065.9	<b>5793.6</b>
2015-16	968.66	2196.37	1586.77	688.07	806.8	2935	<b>9181.7</b>
2016-17	1253.48	2696.11	1729.59	845.34	1106.14	3626.4	<b>11257</b>
2017-18	1827.78	4703.93	1041.29	840.00	3073.00	1228.00	<b>12714.00</b>
2019-20	2500.23	4456.16	1547.73	623.38	3571.72	570.885	<b>13270.105</b>

❖ The APO 2019-20 is continuing. The physical and financial achievement is going on as per the target.

**(c)-Forestry & other related schemes (Physical & financial)carried out in previous years from fund received from other schemes of the Government.**

**(1) Forestry and other related (Afforestation )schemes in the state of Odisha during (2014-15 to 2019-20)**

Year	Scheme	Activities takenup	Physical Achievement	Financial Achievement (in Lakhs)	
2014-15	State Plan	Economic, Bald hill, Bamboo Development, Urban Plantation, Avenue Plantation, Plantation outside working plan area, fodder plantation, management of Chilika lake ,distribution of seedlings to farmers	AR Block 8518 Ha.	21669.61	
			ANR With gap AR 7820 Ha.		
			ANR SMC (without Gap) 10000 Ha.		
			AR Bald Hill 1000 Ha.		
			Avenue/Seedlings 10000Rkm /2.5 Lakhs Seedlings		
			Urban Plantation Seedling 14.90 Lakhs		
			Seedling Distribution 3.0 Lakhs		
			Sacred Grove 200 No of Sites/ No. of Seedling 0.20 Lakhs		
	Seedling Plated in Lakhs				
	NBM Bamboo Plantation in Forest Area, Plantation through OFDC Ltd.,	AR Block 3990 Ha.			
		ANR With gap AR 3910 Ha.			
		Seedling Planted 33.24 Lakhs			
	OFSDP Phase-1	Restoration of degraded Forest, and Management through JFM Plantation	AR Block 6943 Ha.		2381.09
ANR With gap AR 7304 Ha.					
Seedling Planted 247.91 Lakhs					
MGNREGS	AR ,ANR, Avenue Plantation	AR Block 3596 Ha.	7045.8		
		ANR With gap AR 36308 Ha.			
		Avenue Plantation 3755 Rkm			
		Seedling Planted 170.900 Lakhs			
Deposit (OSPCB)		Seedling Distribution 30.00 Lakhs	240		
<b>Total 2014-15</b>			<b>31336.5</b>		
2015-16	IGC	Economic Plantation, Bald hill, OBDP urban Plantation, Agro forestry distribution, Avenue, Sacred grove, SMPB distribution of Medplant, Distribution of Seedings.	AR Block 3300 Ha.	16575.32	
			Bald Hill 1000 Ha.		
			Avenue/Seedlings 1000Rkm /2.5 Lakhs Seedlings		
			Urban Plantation Seedling 15.65 Lakhs		
			Seedling Distribution 438.28 Lakhs		
			Sacred Grove No. of Seedling 0.48 Lakhs		
	NAP	AR, ANR, Seedling distribution	AR Block 770 Ha.		1605.28
			ANR With gap AR 3820 Ha.		
	State ( CSR, OMCLTD.)	AR Plantation	AR Block 765 Ha.		271.08
	State (OEMF)	Jagannath Bana Prakalpa, Avenue,	AR Block 510 Ha.		209.35

		Bald hill Plantation	ANR With gap AR 520 Ha.	
			Bald Hill 20 Ha.	
			Avenue Plantation 232Rkm	
			Seedling Distribution 1.7 Lakhs	
Central		Bamboo Plantation, NBM, Dev of elephant corridor, fodder plantation, ICZMP, Mangrove C.plan Mangrove.	AR Block 1507.4 Ha.	
			Seedling Distribution 1.25 Lakhs	877.694
MGNREGA			AR Block 2109 Ha.	
			ANR With gap AR 26245 Ha.	
			Seedling Planted 123.60Lakhs	9113.18
<b>Total 2015-16</b>				<b>28651.904</b>
2016-17	State Plan	Economic, Bald Hill, OBDP Bamboo Plantn, Urban Plantn, Agro forestry, Sacred gove, mangrove Plantaiton, Odisha, Pollution Control Board, SMPB	AR Block 5631.07 Ha.	9829.58
			Bald Hill 1000 Ha.	
			Avenue/Seedlings 1010 Rkm /2.53 Lakhs Seedlings	
			Urban Plantation Seedling 13.83 Lakhs	
			Seedling Distribution 187.006 Lakhs	
	OMC	CSR Plantation	AR Block 625 Ha.	265.95
			Seedling Plated 10.00 Lakhs	
	OEMF	JBP Plantation, Avenue, Bald Hill Plantation	AR Block 180 Ha.	543.03
			ANR With gap AR 575 Ha.	
			AR Bald Hill 120 Ha.	
			Avenue Plantation 85 Rkm	
			Seedling Distribution 15.94 Lakhs	
			Seedling Plated 7.32 Lakhs	
	NAP, GIM	VSS Assigned area plantation	AR Block 875 Ha.	430.34
ANR With gap AR 3170 Ha.				
Avenue Plantation 5.6 Rkm				
Seedling Planted 19.23 Lakhs				
Central Plan	Mangrove Plantation, NBM Erichant Plantation	AR Block 2345 Ha.	290.3	
		Seedling Plated 8.24 Lakhs		
MGNREGA		AR Block 1329 Ha.	9063.82	
		ANR With gap AR 16986 Ha.		
		Avenue Plantation 3957 Rkm		
		Seedling Planted 77.12 Lakhs		
<b>Total 2016-17</b>				<b>20423.02</b>
2017-18	Central Plan	ICZMP, Mangrove Plantation , urban tree planting , SSO Timber coupe 2016-17	AR Block 50 Ha.	817.64
			ANR SMC (without Gap) 113703.6Ha.	
			Seedling Distribution 1.9577 Lakhs	
			Seedling Planted 1.3667 Lakhs	
	State Plan	Mangrove, Casurina Plantation , SMPB seedling distribution	AR Block 253 Ha.	234.67
			Seedling Distribution 1.155 Lakhs	
	OEMF	Urban Tree Plantation	Urban Plantation Seedling 3.3753 Lakhs	142.55
	CSR/DMF	MCL, OMC, AR Plantation urban,	AR Block 625 Ha.	979.15

		DMF	Urban Plantation Seedling 6.94694 Lakhs	
			Seedling Distribution 1.5 Lakhs	
			Seedling Plated 16.94694 Lakhs	
			AR Block 2947.218 Ha.	
			ANR With gap AR 12919 Ha.	
			ANR SMC (without Gap) 980 Ha.	
			Avenue Plantation 2873.5 Rkm	
	MGNREGS		Seedling Planted 82.9291 Lakhs	6361.17
<b>Total 2017-18</b>				<b>8535.18</b>
2018-19	State Plan converged with MGNREGS	Economic Plantation, Bald Hill Plantation, OBDP Plantation, Agro-Forestry, Avenue Plantation, Mgnt. Of Pltn & Forests (IWP),Mgnt. Of Pltn & Forests (OWP),Tree outside Forest (ToF)	AR Block 1438.85 Ha.	
			Avenue Plantation 539 Rkm	
			Seedling Distribution 112.12 Lakhs	
			Seedling Plated 20.15 Lakhs	
	MGNREGS	Pure MGNREGS	AR Block 2075.23 Ha.	
			ANR With gap AR 17165 Ha.	
			Avenue Plantation 3135 Rkm	
			Seedling Distribution 29.41 Lakhs	
			Seedling Plated 80.42 Lakhs	
	CSR	CSR (OMC)	AR Block 590 Ha.	833.73
	State Plan (IGC & GMM)	Urban Tree Plantation by Corporate Sector, Green Mahanadi Mission,State plan fodder plantation, SMPB	AR Block 1103.25 Ha.	
			ANR With Gap AR 4196 Ha.	
			Avenue Plantation 562 Rkm	
			Urban Plantation Seedling 12.165 Lakhs	
Seedling Distribution 8.58 Lakhs				
Seedling Planted 33.18 Lakhs	12320.6			
Central Plan	NAP,GIM, Central plan NBM, OBDA, Bamboo Plantation	AR Block 646.81 Ha.		
		ANR With gap AR 3655 Ha.		
		Seedling Planted 14.230 Lakhs		
<b>Total- 2018-19</b>				<b>23220.99</b>

**PHYSICAL & FINANCIAL ACHIEVEMENT OF PLANTATIONS FOR THE YEAR 2019-20**

Sl No	Name of the Scheme / Component	Name of Scheme	Physical Achievement (Area in Ha & Avenue in RKM)							Funds utilized in Lakh
			AR	ANR (with Gap Pltn.)	ANR (Silvi)	Total in ha	Avenue Pltn in RKM	Seedlings planted in lakh	Seedlings distributed in lakh	
1	AR Plantations	IGC	1922.57	-	-	1922.57	-	31.48	-	3500.00
2	Bald Hill Plantations		892.00	-	-	892.00	-	14.27	-	
3	Urban Tree Plantations (ANR Mode)		-	50.00	-	50.00	-	0.10	-	
4	Urban Tree Plantations		-	-	-	-	-	1.416	-	
5	Distribution of Seedlings		-	-	-	-	-	-	53.92	
<b>Total - IGC</b>			<b>2814.57</b>	<b>50.00</b>	<b>0.00</b>	<b>2864.57</b>	<b>0.00</b>	<b>47.27</b>	<b>53.92</b>	
6	AR Plantations	GMM	1152.63	-	-	1152.63	-	19.12	-	5100.00
7	Bald Hill Plantations		203.00	-	-	203.00	-	3.25	-	
8	ANR with Gap Plantation @200		-	7450.00	-	7450.00	-	14.90	-	
9	ANR with Gap Plantation @400		-	150.00	-	150.00	-	0.60	-	
10	ANR with Gap Plantation @600		-	22.00	-	22.00	-	0.13	-	
11	ANR with Gap Plantation @800		-	31.00	-	31.00	-	0.25	-	
12	Avenue Plantation @250		-	-	-	-	116.00	0.29	-	
13	Bamboo Plantations		171.00	-	-	171.00	-	0.68	-	
14	Urban Tree Plantations		-	-	-	-	-	2.30	-	
15	Distribution of Seedlings	-	-	-	-	-	-	49.76		
<b>Total - GMM</b>			<b>1526.63</b>	<b>7653.00</b>	<b>0.00</b>	<b>9179.63</b>	<b>116.00</b>	<b>41.52</b>	<b>49.76</b>	
16	National Afforestation Programme	State Pla - NAP	293	2548	-	2841.00	-	8.70	-	1943.11
17	Green India Mission (Avenue in Ha)	State Plan - GIM	630	4790	-	5420.00	52	23.17	11.07	2364.87
18	Green India Mission (UTP in Ha)		-	-	-	-	-	0.83	-	
<b>Total State Plan - NAP &amp; GIM</b>			<b>923</b>	<b>7338</b>	<b>0</b>	<b>8261</b>	<b>52</b>	<b>32.70</b>	<b>11.07</b>	<b>4307.98</b>



19	AR Plantations through CSR	<b>(CSR-OMC)</b>	595	-	-	595.00	-	9.52	-	612.76
20	Maintenance of UTP over 1.24 lakh seedlings		-	-	-	-	-	-	-	149.96
	<b>TOTAL (CSR-OMC)</b>		<b>595</b>	<b>0</b>	<b>0</b>	<b>595</b>	<b>0</b>	<b>9.52</b>	<b>0</b>	<b>762.72</b>
21	Economic Plantation (State Plan Converged)	MGNRE GS	65	-	-	65.00	-	1.04	-	<b>7980.57</b>
22	Bald Hill Plantation (State Plan Converged)	MGNRE GS	174	-	-	174.00	-	2.78	-	
23	OBDP (State Plan Converged)	MGNRE GS	155	-	-	155.00	-	0.62	-	
24	Agro-Forestry (State Plan Converged)	MGNRE GS	-	-	-	-	-	-	66.58	
25	Avenue Plantation(State Plan Converged)	MGNRE GS	-	-	-	-	591	1.48	-	
26	Management of Plantations & Forests <b>(IWP)</b> (State Plan Converged)	MGNRE GS	0	-	-	0.00	-	0.00	-	
27	Management of Plantations & Forests <b>(OWP)</b> (State Plan Converged)	MGNRE GS	60	-	-	60.00	-	0.96	-	
28	Tree Outside Forests (Distribution of Seedlings)	MGNRE GS	-	-	-	-	-	-	29.31	
29	MGNREGS (PURE)	MGNRE GS	215	6498	-	6713.00	2689	24.14	-	
30	Plantation of Forestry species in private Land	MGNRE GS	120.8	-	-	120.80	-	1.93	-	
<b>Total - MGNREGS</b>			<b>789.8</b>	<b>6498</b>	<b>0</b>	<b>7287.80</b>	<b>3280</b>	<b>32.95</b>	<b>95.89</b>	
<b>STATE TARGET</b>			<b>6649.00</b>	<b>21539.00</b>	<b>0.00</b>	<b>28188.00</b>	<b>3448.00</b>	<b>163.97</b>	<b>210.64</b>	<b>21651.27</b>

<b>Financial target and achievement under Non-Plan, State Plan Scheme from 2014-15 to 2016-17 in respect of Wildlife Organisation (Rs. in lakh)</b>						
Sl. No.	Name of the Scheme	2014-15	2015-16	2016-17	2017-18	2018-19
<b>STATE PLAN</b>						
<b>Forestry &amp; Wildlife - 02- Environmental Forestry &amp; Wildlife</b>						
1	Wildlife Protection & Conservation Measures those for Blackbucks and Fresh water turtles etc.	1190.99	1815.86	0	0	0
2	Wildlife Protection & Conservation Measure			2000.00	1818.59	2219.00
3	Eco-Tourism in Wildlife Sanctuaries etc. under One Time ACA	193.99	0.00	0.00	0.00	0.00
4	Development of Eco-tourism	0.00	0.00	1000.00	799.49	844.41
5	Integrated Development of Wildlife Habitats-State share of exper. under CSP Scheme	52.52	0.00	0.00	0.00	0.00
6	Integrated Development of Wildlife Habitats (CSS)		476.37	470.41	0.00	0.00
7	Implementation of Elephant Management Plan	399.48	442.20	0.00	0.00	0.00
8	Development and Management of Elephant Corridor	495.75	517.78	0.00	0.00	0.00
9	Management of Elephant and Corridor		0.00	795.73	1000.00	1109.51
10	Strengthening of Transmission line in Elephant Corridor	0.00	0.00	0.00	0.00	0.00
11	Protection & conservation of Olive Ridley Turtles	70.00	70.00	0.00	0.00	0.00
	<b>Zoological Park- Nature Conservation</b>	0.00	0.00	0.00	0.00	0.00
1	Nature Conservation (State share of expenditure in CSP scheme)	0.00	0.00	0.00	0.00	0.00
2	Development & Beautification of Nandankanan Zoo	0.00	0.00	0.00	0.00	0.00
3	Elephant Management Project (CSS)	0.00	0.00	410.05	0.00	0.00

4	Conservation & Management of Mangroves (CSS)	0.00	0.00	122.21	0.00	0.00
5	Satkosia Tiger Reserve (State share of exper. in CSP)	315.28	0.00	0.00	0.00	0.00
6	Satkosia Tiger Reserve (CSS)	0.00	318.93	666.17	0.00	0.00
7	796-Tribal Area-Sub-Plan-State share of expenditure in the C.S.P. Scheme - Similipal Tiger Reserve	664.29	0.00	0.00	0.00	0.00
8	Similipal Tiger Reserve (CSS)	0.00	663.87	1083.03	0.00	0.00
9	Similipal Biosphere Reserve (CSS)	0.00	0.00	172.10	0.00	0.00
	<b>State Plan Programme Expenditure</b>	0.00	0.00	0.00	0.00	0.00
10	Relocation of villages form Sanctuaries and National Parks	0.00	0.00	0.00	200.00	0.00
11	Devt. And beautification of Nandankanan Zoo	0.00	0.00	0.00	500.00	588.01
	<b>TOTAL STATE PLAN</b>	<b>3382.29</b>	<b>4305.01</b>	<b>6719.69</b>	<b>4318.08</b>	<b>4760.93</b>
12	<b>4406-Captial Outlay - Construction of Prakruti Bhawan</b>	0.00	0.00	0.00	0.00	0.00
	<b>GRAND TOTAL STATE PLAN</b>	<b>3382.29</b>	<b>4305.01</b>	<b>6719.69</b>	<b>4318.08</b>	<b>4760.93</b>

	<b>Demand No.22-2406-Forestry &amp; Wildlife-110-Wildlife Preservation-02-Environmental Forestry &amp; Wildlife</b>					
	<b>CENTRAL PLAN</b>					
13	Integrated Debt. of Wildlife habitats	334.37	0.00	0.00	579.37	806.09
14	Elephant Management Project	169.05	106.66	0.00	271.40	328.80
15	Similipal Biosphere Reserve	0.00	0.00	0.00	271.89	224.41
16	Similipal tiger Reserve including 4th All india Tiger Estimation	0.00	0.00	0.00	1199.32	1334.33
17	Relocation of villages from National Parks and Sanctuaries	0.00	0.00	0.00	0.00	0.00
18	Satkosia Tiger Reserve	0.00	0.00	0.00	1600.03	622.81
	<b>3435-Evology &amp; Environment -03-Environmental Research &amp; Ecological Regeneration</b>					

19	Conservation and Management of Mangroves	97.98	66.00		149.03	68.38
	<b>GRAND TOTAL CENTRAL PLAN</b>	<b>601.40</b>	<b>172.66</b>	<b>0.00</b>	<b>4071.05</b>	<b>3384.82</b>

**(d) Year wise total Forest Area Diverted in the State since 1980 to 2020**

<b>Year</b>	<b>Forest Area Diverted. (In Ha)</b>
1980	-
1981	-
1982	218.31
1983	284.07
1984	1029.22
1985	531.74
1986	769.87
1987	1788.41
1988	836.46
1989	1737.99
1990	2630.13
1991	2.66
1992	407.73
1993	4729.25
1994	407.37
1995	317.94
1996	1354.61
1997	1551.71
1998	4705.75

1999	480.78
2000	1137.30
2001	1509.34
2002	607.82
2003	1447.75
2004	594.29
2005	2648.57
2006	1167.82
2007	1806.87
2008	796.42
2009	2938.05
2010	752.37
2011	992.75
2012	237.45
2013	2580.57
2014	2982.14
2015	1120.74
2016	603.54
2017	736.58
2018	3887.24
2019 (upto Sep 19)	3201.79
<b>Total</b>	<b>55534.39</b>

**(e) Year wise total Compensatory Afforestation carried out in the state since 1980 to 2020.**

<b>Year</b>	<b>Compensatory Afforestation carried out against diversion of forest area as mentioned in column no.3 in subsequent years (in ha)</b>	<b>Extra compensatory afforestation carried out in additional degraded forest land identified to accommodate balance no. of plants as prescribed in final approval order (in ha)</b>
1980	-	-
1981	-	-
1982	2.80	0
1983	79.98	0
1984	1223.51	0
1985	485.60	0
1986	537.00	0
1987	1477.38	0
1988	1127.98	0
1989	2103.23	0
1990	3571.37	0
1991	1.00	0
1992	444.74	0
1993	5483.48	0
1994	407.00	0
1995	279.16	0
1996	1567.25	0
1997	1453.52	0
1998	6451.22	0
1999	778.50	0
2000	1922.41	0
2001	1828.94	0

2002	868.72	0
2003	1833.38	0
2004	861.98	0
2005	2814.69	0
2006	1486.63	0
2007	1655.35	0
2008	798.74	0
2009	2317.88	1675.00
2010	804.84	0
2011	870.79	0
2012	1810.23	0
2013	7090.67	0
2014	3615.26	966.77
2015	1651.41	370
2016	1035.88	0
2017	1065.29	84.37
2018	2203.11	0
<b>Total</b>	<b>64050.90</b>	<b>3096.14</b>

## **(F) *Brief description of Monitoring and Evaluation***

There are different approaches and methodologies are adopted for monitoring and evaluation of the Campa works. There are conventional methods of uploading of data and doing field inspections. In addition, the technology is leveraged in a major way to see the works are implemented properly and the monitoring is concurrent. Also the financial monitoring is important to ensure the financial procedures are followed properly and fiscal discipline is ensured. Third party monitoring is also being done regularly.

**Conventional Monitoring Methodology:** There are several measures are being taken for the monitoring of implementation of projects during the project implementation stage and evaluation of the works done after completion of the works to learn more on the working system. Monitoring of the projects starts at the Range office level. The physical and financial monitoring, online IFMS working, payments through online mode, uploading the works done, monitoring the foot patrolling data, fire point data is done on day to day basis at the Ranges. Further, it is regularly supervised by the ACF and DFO of the Division, RCCF of the Circle. In addition, officers at the Addl. PCCF and CCF level at the PCCF office are designated to supervise the field works of different circles. PCCF takes regular meetings through video conferencing.

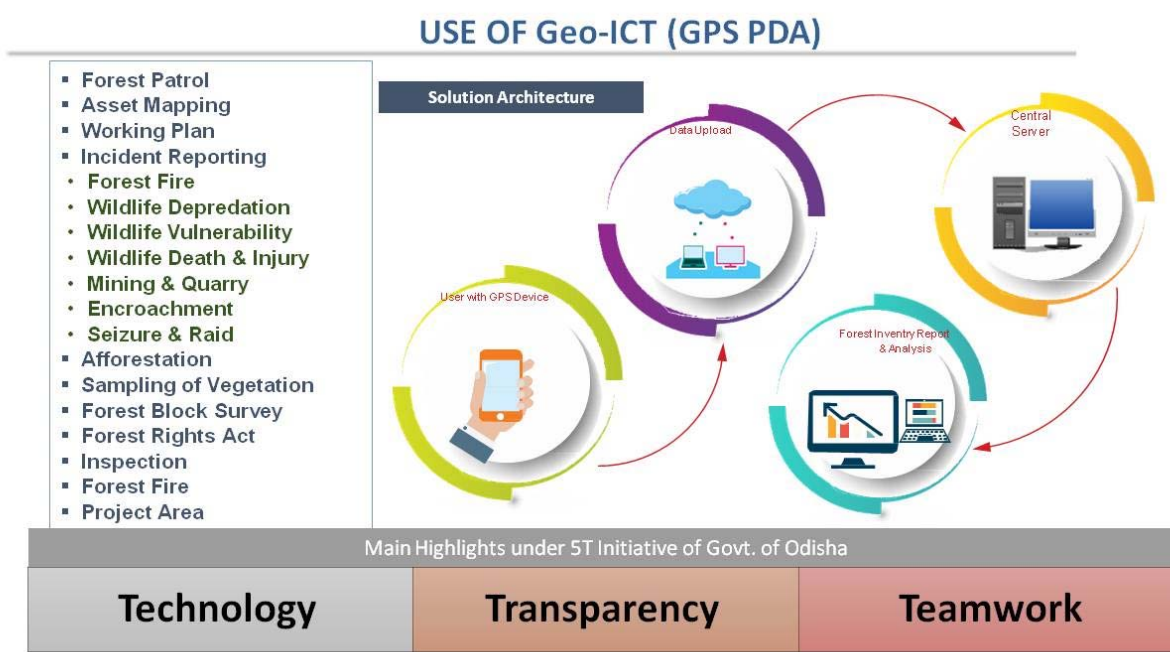
As per the codal provision of the Forest Department, the Divisional Forest officer of the concerned Division has to ensure an internal monitoring mechanism within his Division for the verification of the project scrupulously. He has to ensure timely completion of the projects and strict fiscal discipline. As per the codal provision, Odisha Forest Departmental Code, the works are to be inspected by the field officers at regular intervals. They do the inspections, study and analyze the field position and give the directions to the field staff for further improvisation. While executing the projects, there is responsibility of all the officers to ensure the field works are done properly. Detailed guidelines have been issued on the monitoring of the projects. The Forester and Forest Guard of the area should verify the 100 percent of the works, Range officers should verify atleast 75% of the works, ACF 25%, DCF 10% and RCCF 5% of works

A compendium has been prepared including new campa rules, financial procedures and detailed guidelines for implementation of the campa works. Work shop has also been conducted for DFos on these changes.



## USAGE OF TECHNOLOGY IN MONITORING AND EVALUATION

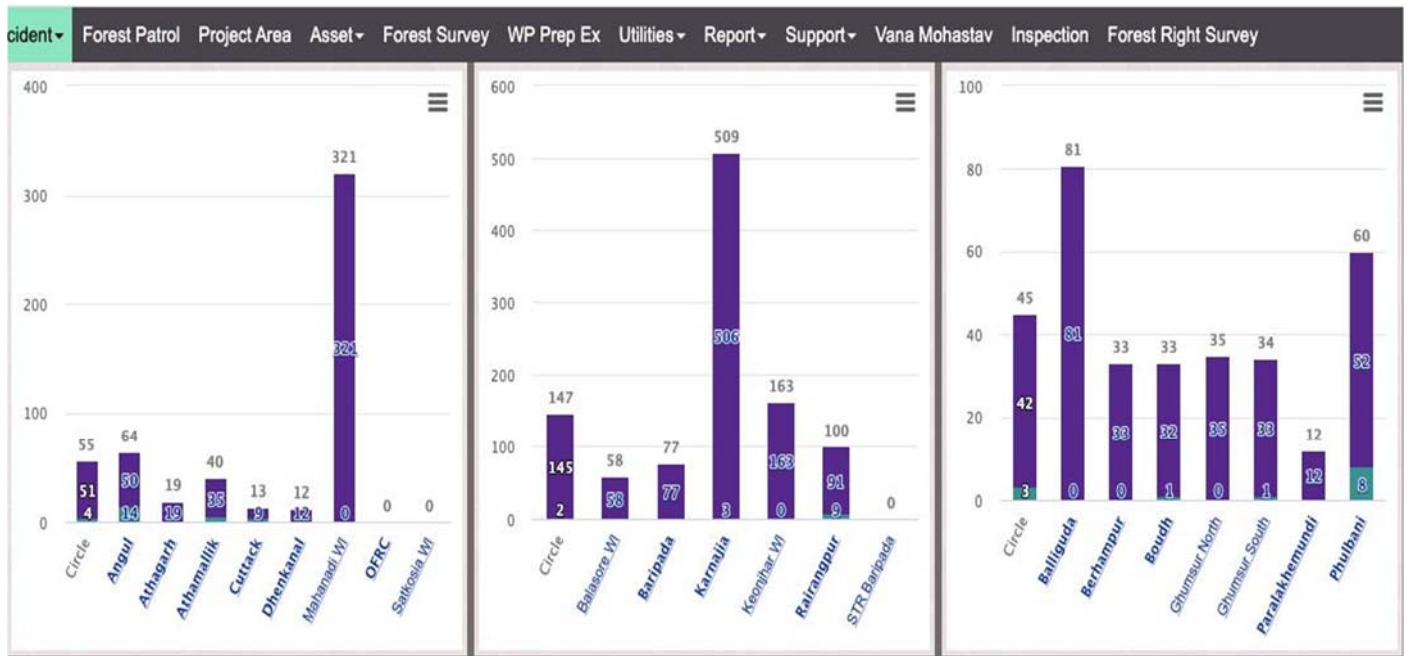
Technology is used in a big way for monitoring of the Campa works. A modern Forest IT & Geomatic Centre (FITGC) has been established with devoted IT infrastructures consisting of servers, SAN, NW switches and dedicated lease line. This centre is monitoring all forestry related activities with the help of 7000 Smart Phones having android based OFMS application and 1200 Gagan enabled GPS-PDA devices. The login status, update of device application version and usage of the devices are also monitored through web application in order to ensure use of the devices by all staff and strictly monitor all forestry related activities at all level.



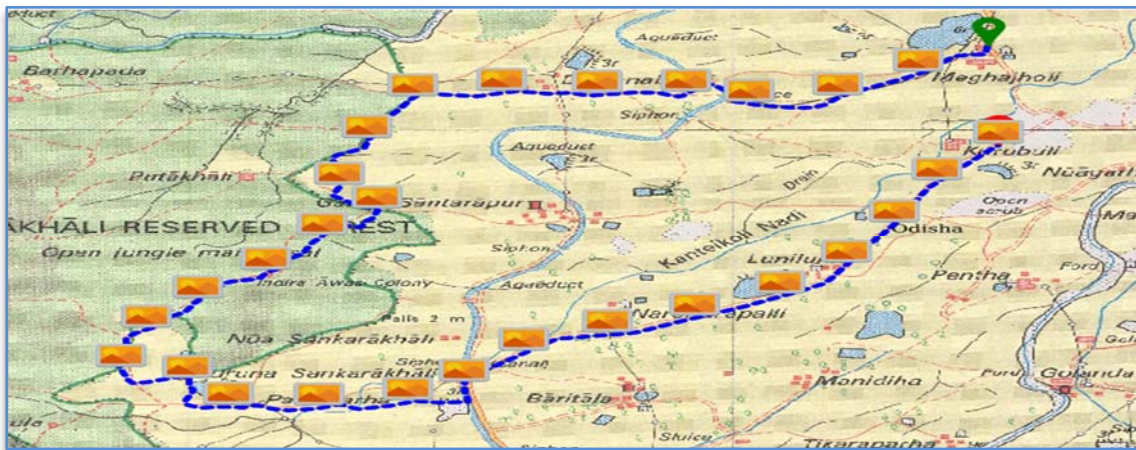
### Forest Foot Patrolling and Forest Protection

More focus is given on the foot patrolling especially in the night times. The forest foot patrolling is closely monitored everyday/every hour basis using GPS-PDA/Android application at range level, division level, circle level and state level. The area coverage, distance coverage, target and achievement of foot patrolling are monitored through the web application at all level. The timing of foot patrolling is also monitored. On an average 80,000 kilometre foot patrolling is done per month by all the circles in Odisha and monitored through the web application <https://odishaforestgis.in>.

**(Bar showing distance covered through foot patrolling by different divisions)**



**(Foot patrolling done through boundary of forest block to check boundary pillars)**



The field staff records different incidents like illicit felling and wildlife sightings during foot patrolling. Besides, the incidents like wildlife death/injury and mining & quarry are also recorded through the android based mobile application or GPS-PDA devices. These incidents are regularly monitored at all levels. The monitoring of foot patrolling has significantly reduced the illicit felling, encroachment, forest offence and other incidences. Till now, 1018 number of illicit felling, 3977 number of wildlife depredation cases, 962 number of wildlife sighting, 376 number of quarry, 1206 number of encroachment, 69 number of forest offence, 1436 number of wildlife vulnerable areas and 723 number of wildlife death are recorded through android based mobile application or GPS-PDA devices and monitored through web application.

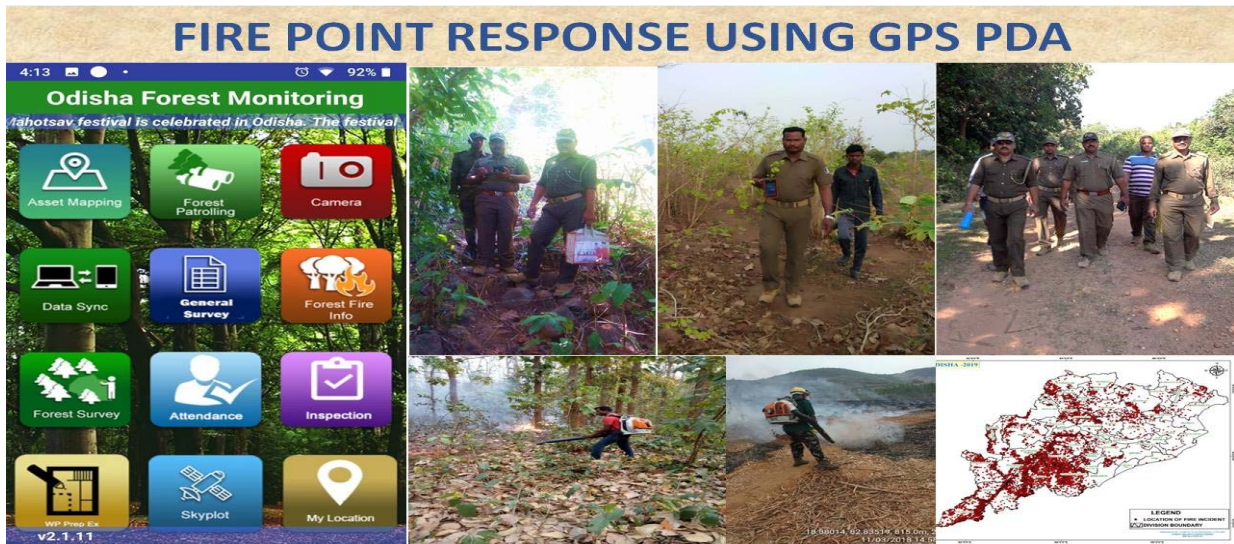
Month wise foot patrolling, incidence of fire, number of assets mapped in the month are monitored and the following bar diagram depicts monthly distance covered through foot patrolling & asset mapping and graph showing trend of forest fire incidences & wildlife depredation.

(Bar showing)

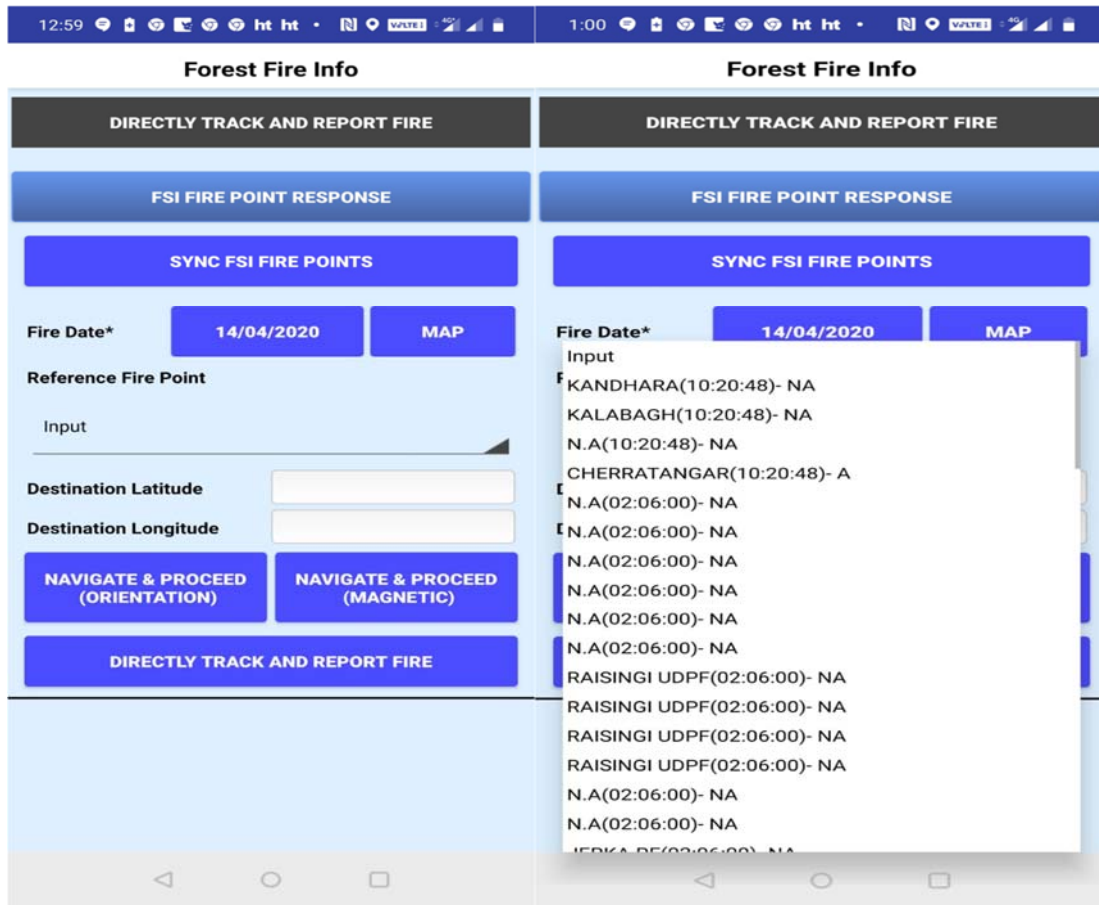


### Forest Fire Monitoring

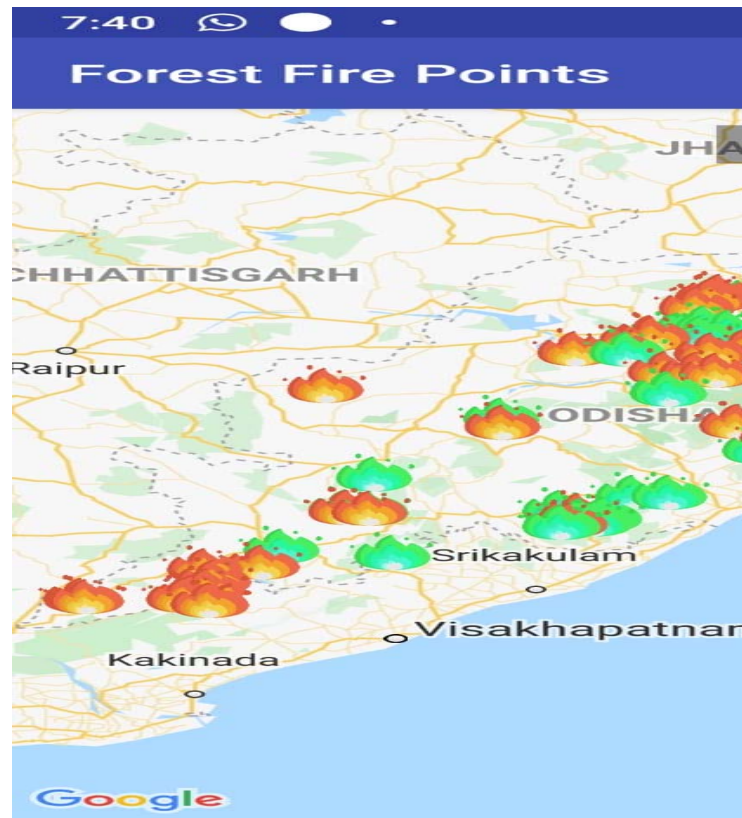
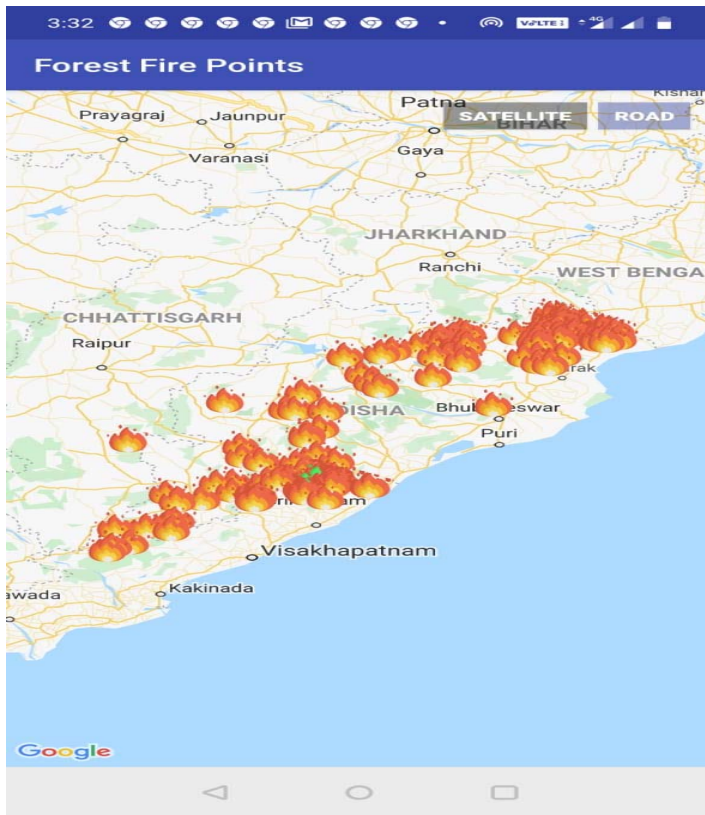
The forest fire monitoring is done in a unique way by integrating our FITGC server with FSI server to fetch the fire data directly in the fire application from FSI server. In addition to this, the application having navigation facility helps the ground staff to navigate and quickly reach to the fire spot thereby substantially reducing time to respond fire incidences and area of damage. The user responds all the fire spot and then sync the data to the server for further monitoring by Forest Headquarter. The Forest HQ has dedicated fire cell which monitors fire on 24x7 basis and thus the number of fire incidences has been reduced from year to year. The application has red spot and green spot to depict the responded fire point and non-responded fire point to monitor the response of the user. The application also depicts the repeated fire points in different colour to alert the user on recurrence of fire incidences. The 31680 number of fire incidences detected during 2018 has been reduced to 19,787 in 2019. Similarly, the area of 9730 ha. affected due to fire during the year 2018 has been reduced to 7161 ha. in the year 2019. In the current fire season, the total number of fire spot is 4155 up to 12.04.2020 in comparison to last year figure of 11273 during the same period.



(Screen display of fire app showing the auto fetching fire point from FSI server, navigating to the fire spot, responding through App. and syncing to the server for monitoring.)

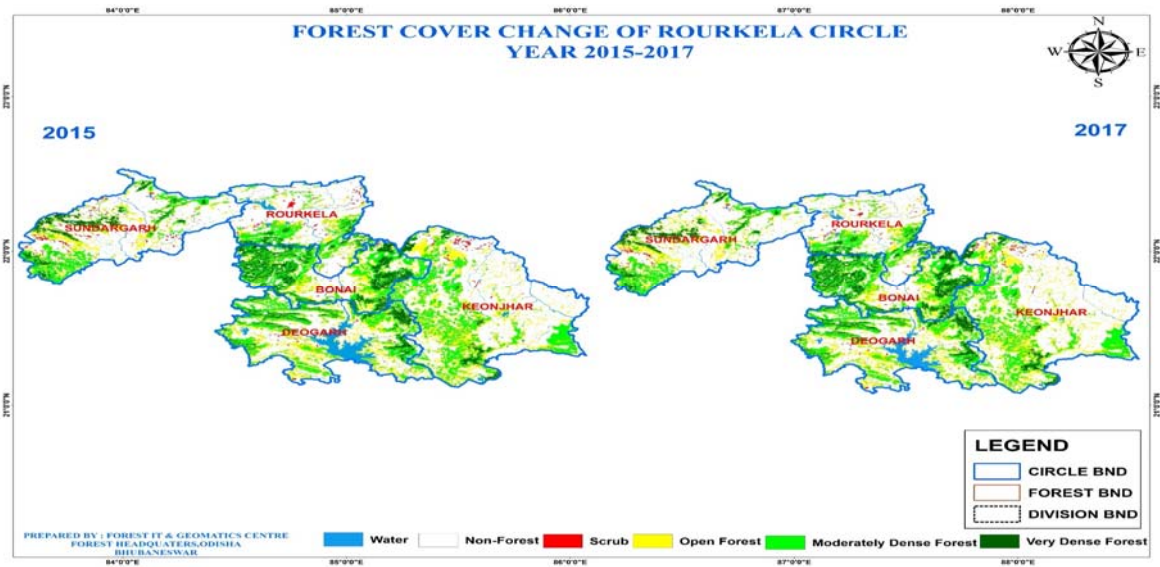


(Fire map showing red spot and green spot depicting responded fire point and non-responded fire point)



### Plantation Monitoring

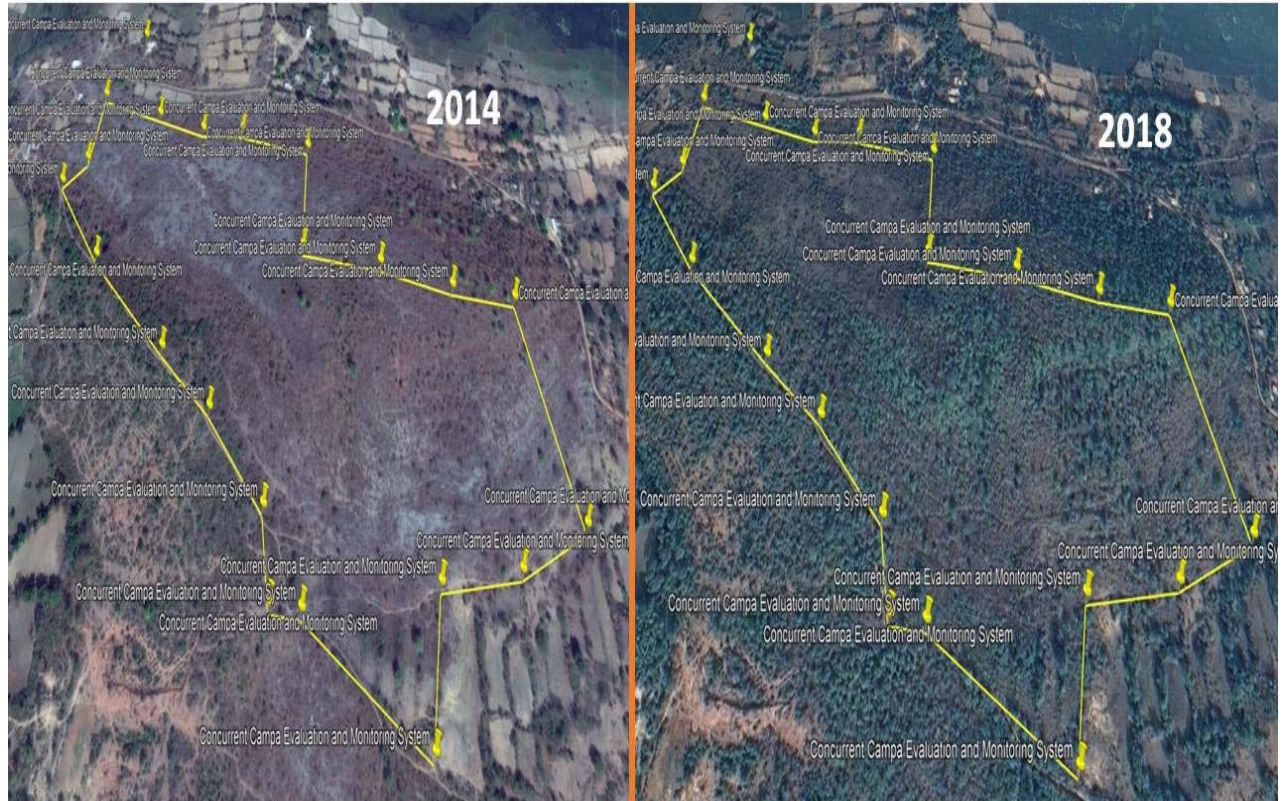
Beat level forest cover change monitoring is done using the forest cover tiff image of different years published by FSI Dehradun which has helped the field staff to identify suitable area for plantation and other forestry related activities such as SMC work, ANR activities etc. This “forest cover change map” has also helped the field staff for better planning of plantation and plantation related activities. The intensive monitoring of plantation is done and it is reflected in increase of 273.51 sq.km forest cover in 2019 in comparison to forest cover during 2017 in Odisha.



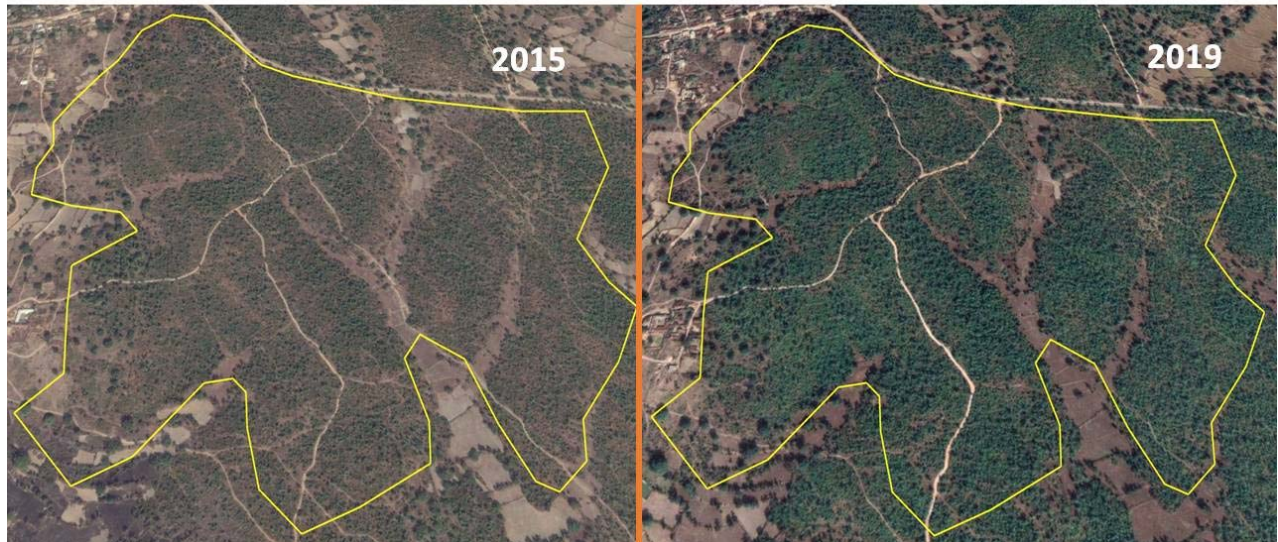
**BLOCK PLANTATION TIKILIPADA PRF APO 2009-10  
IN BAMRA WL DIVISION**

(Monitoring of plantation in 2008 and 2019)

# BALD HILL PLANTATION AT SARUMUHAN -25.0 HA. APO-2014-15 ROURKELA DIVISION

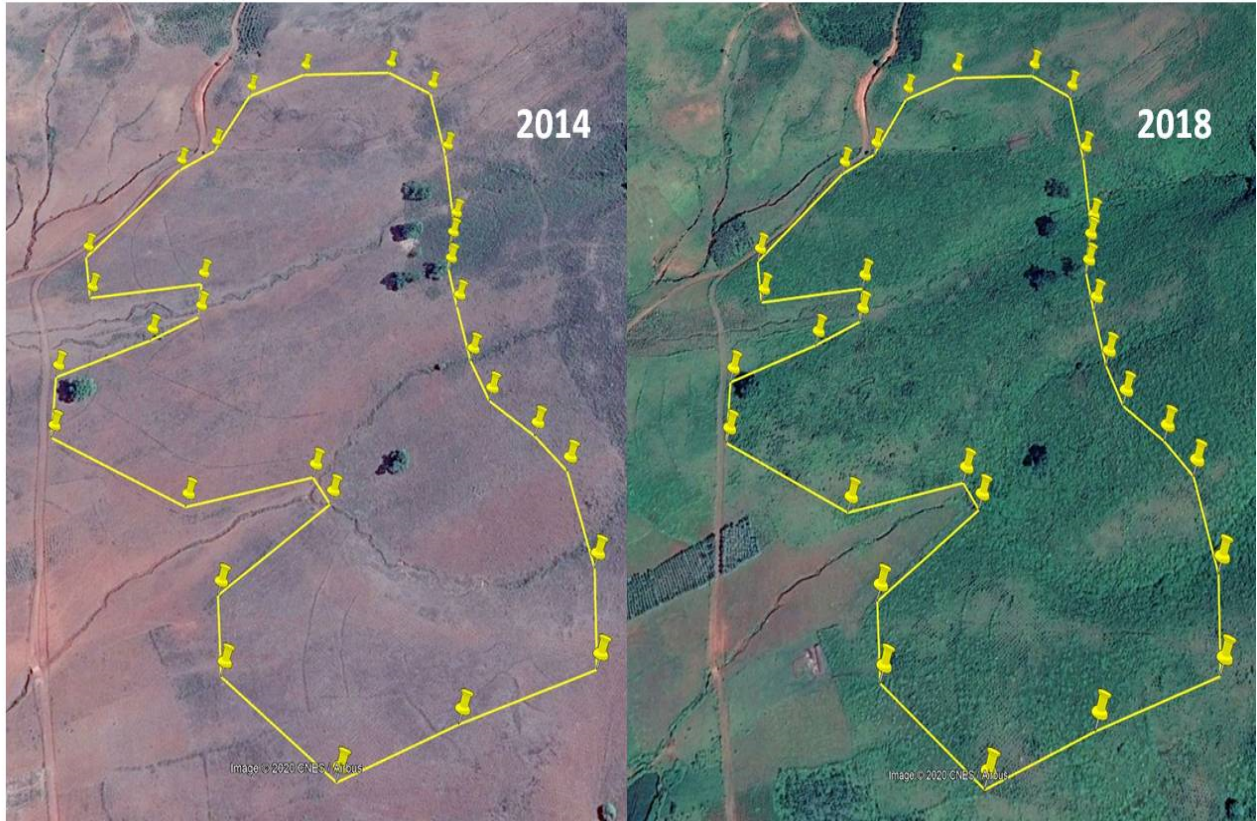


**ANR PLANTATION 2019-20, RAIDIHI DPF 50 HA.  
UNDER APO-2017-18 IN SUNDARGARH DIVISION**



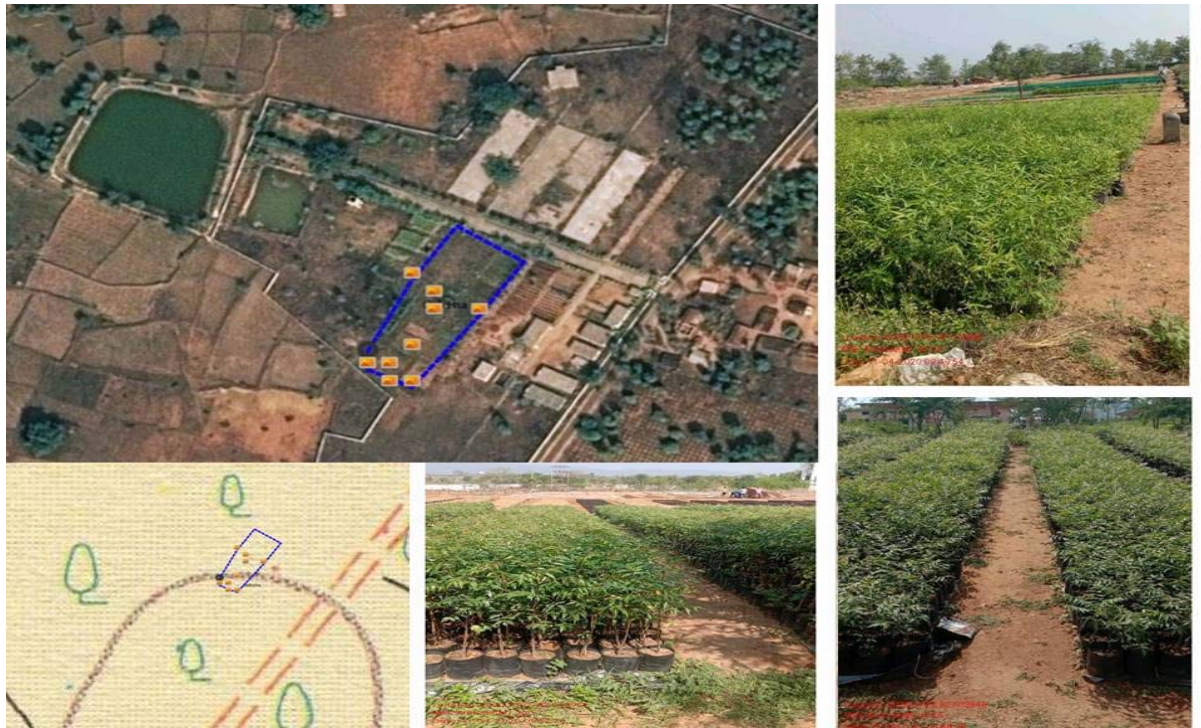


**Changes in Vegetation- AR BLOCK PLTN AT -PODUGSIL-APO 2014-15 RAYAGADA DIVISION**



All assets like nurseries, CA & Non-CA Plantations, water bodies, buildings etc. are dynamically monitored using asset mapper application and all attributes of the assets such as Geo tagged photographs, scheme, year of project etc are recorded. Till date, 25712 different assets are mapped in the field & monitored regularly through mobile/web application. out of 25712 assets, 12109 number of plantation sites are monitored. The few images given below are used for monitoring purpose.

**(Monitoring of Water body and Nursery in different years)**



**(Monitoring of Assets-Building)**

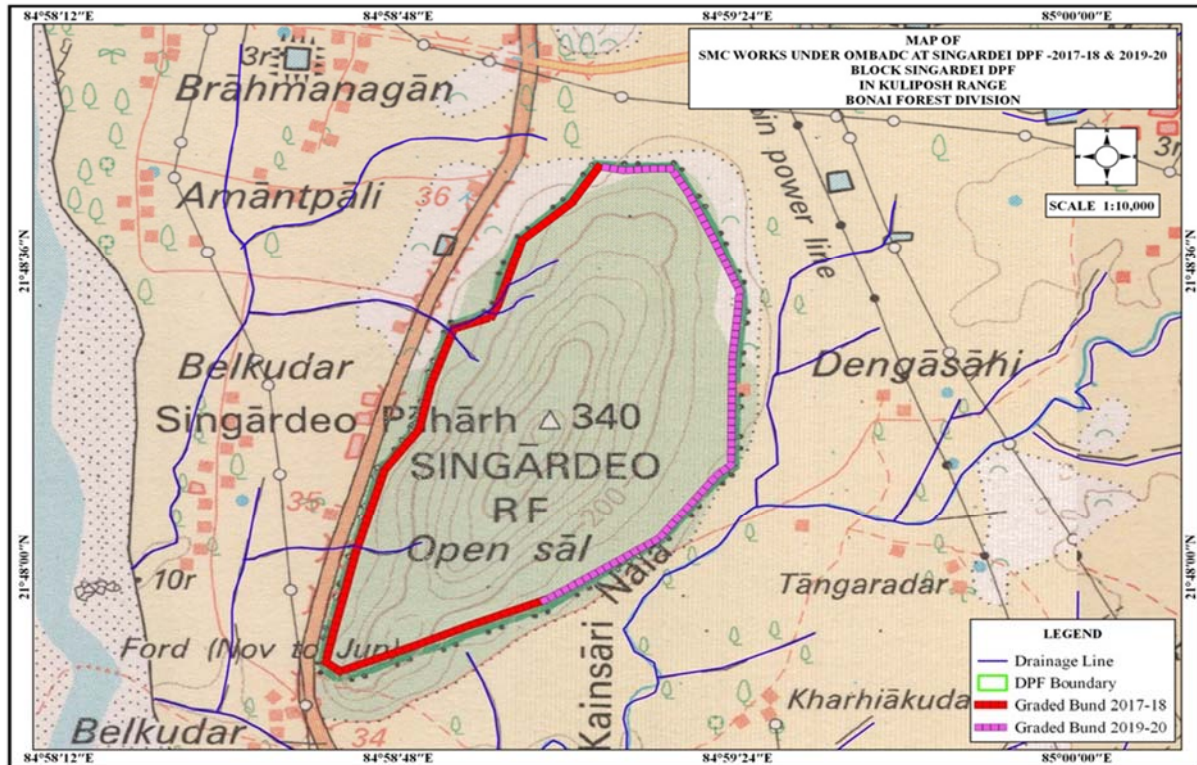


**CONSTRUCTION OF RAIKHOLO RANGE OFFICE BUILDING AT  
KELAKATA IN RAIKHOLO DIVISION**

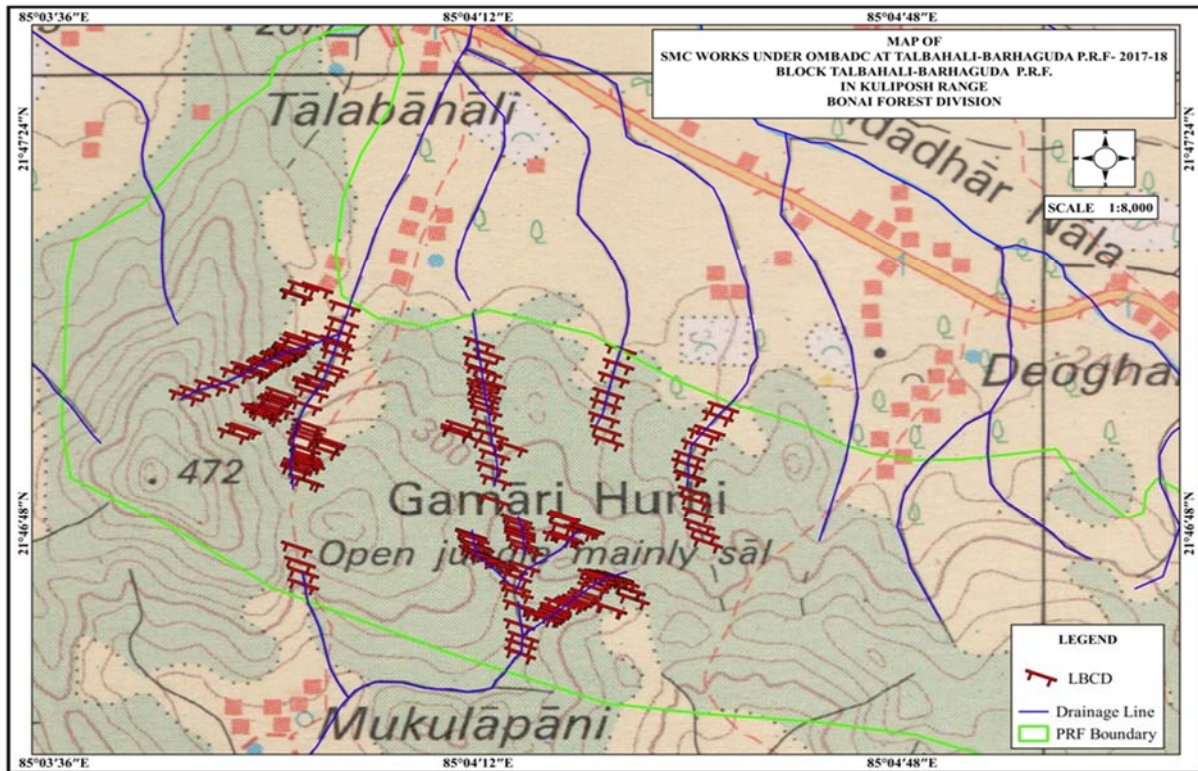
## Monitoring of SMC Activities

The soil and moisture conservation structures like loose boulder check dam, staggered trench, percolation pit, contour trench, sub surface dyke and graded earthen bund are usually mapped through asset mapper and monitored in FITGC cell. The mapping has been done for 7550 number of loose boulder check dam, 10473 meter of graded earthen bund and 78725 number of staggered trenches for Bonai division and these structures and its impacts are being continuously monitored round the year.

(Mapping of forest block for SMC intervention)



(Mapping of SMC structures like loose boulder check dam)



(Monitoring of SMC structures and the surrounding area in FITGC Cell)



Some of the impacts of soil and moisture conservation structures are

- 1) There is a remarkable rise of water table up to 10-15 cm. in the surrounding dug wells and ponds after two years of intervention of SMC measures.
- 2) Double cropping over surrounding agricultural land.
- 3) The increased water table has resulted in better regeneration in the forest area and sprouting of valuable species like Bija, Bandhan, Kurum etc.
- 4) The deposited silt from the recharge pit is used in raising QPM in Root Trainers.

**Fiscal Monitoring:** This is a very important aspect of monitoring activities. It needs expertise to monitor the fiscal discipline in the IFMS portal, submission of online accounts to Accountant General, Making direct benefit transfer using either IFMS platform or some other mechanism and ensure the payments are sent directly to the bank accounts of the beneficiaries. For doing all these activities professional help is sought for in all the Divisions, Ranges. Also recently a tender has been floated for appointing auditors to strengthen internal auditing mechanism. This will be in complete application from 2020-21.

**(G) Third Party Monitoring:** It has been envisaged in the CAMPA guidelines that all the activities done under CAMPA are to be monitored and evaluated by an independent 3<sup>rd</sup> party organization to assess the quality as well as effective utilization of funds and physical achievement for preservation & development of natural forest, afforestation of degraded forest, forest protection, forest fire management, management of wildlife, capacity building, research and development, infrastructure development & all other allied activities till inception of CAMPA. The third party will technically evaluate those ongoing activities. Considering the eligibility criteria, legal entity, capacity of the contract, M/s CTRAN Consulting Ltd. being the lowest tenderer has been selected as 3<sup>rd</sup> party to evaluate the projects. The evaluation parameters are mentioned in the job chart of 3<sup>rd</sup> party to workout the monitoring evaluation process. They have already submitted inception report in February 2019, Interim report in September 2019 and the draft final report. The findings of the report will be shared with the Ministry quickly. However, the summary of the report given by M/s CITRAN is given below: Nevertheless, the detailed final report is yet to be submitted by the agency and it will be given to the Ministry once it is placed with the Odisha Forest Department.

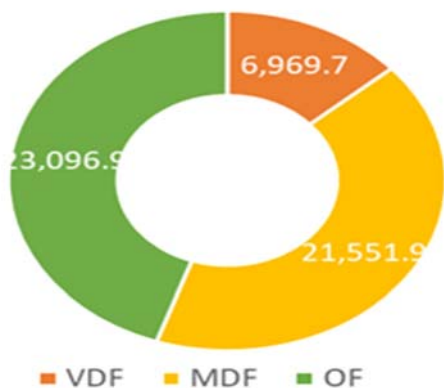
## **FEW DETAILS OF SUMMARY REPORT SUBMITTED BY M/S CITRAN**

### **1.1 Forest Coverage in Odisha**

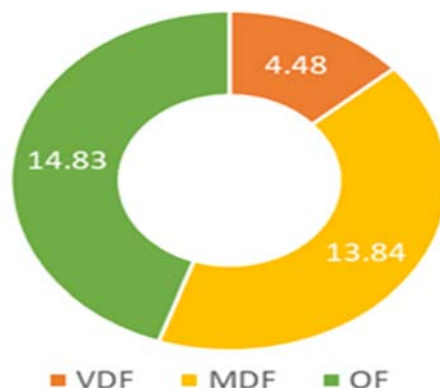
Based on the satellite data pertaining to Oct-Dec 2015, the forest cover in the state is 51,345 sq. km which is 32.98% of the state geographical area (Forest Survey of India, 2017). However, the recorded forest area is significantly higher than this, at 58,136 km<sup>2</sup>, which constitutes around 37.34 per cent of the geographical area of the state. In terms of forest canopy density classes, the state has 6967 sq. km under very dense forest, 21370 sq. km under moderately dense forest and 23008 sq. km under open forest. The district Kandhamal is having the highest recorded forest area of 5371 sq. kms followed by Sundargarh (4148sq.kms.), Mayurbhanj (4021 sq. kms.), Sambalpur (3358 sq. kms.), Keonjhar (3211 sq. kms.) and Rayagada (3133 sq. Kms). These six districts jointly account around 46.2 percent of forest area of the state. With respect to district forest area as a percentage to the total area of the state, Kandhamal district also stands highest and forest area as a percentage to the total geographical area of the district stands about 66.96 percent. There are three districts Kandhamal, Gajapati and Sambalpur where forest area

as a percentage to total geographical area is more than 50 percent. Similarly, there are another seven districts Deogarh, Rayagada, Nayagarh, Sundargarh, Angul and Boudh, Malkangiri, where forest area as a percentage of the respective geographical area of the district ranges between 40 to 50 percent. Less than 10 percent forest area as percentage of the respective geographical area of the district is found in four districts, Balasore, Jagatsinghpur, Puri and Bhadrak.

**Forest Area (Sq. Km.) in Odisha**



**Forest (% of GA) in Odisha**



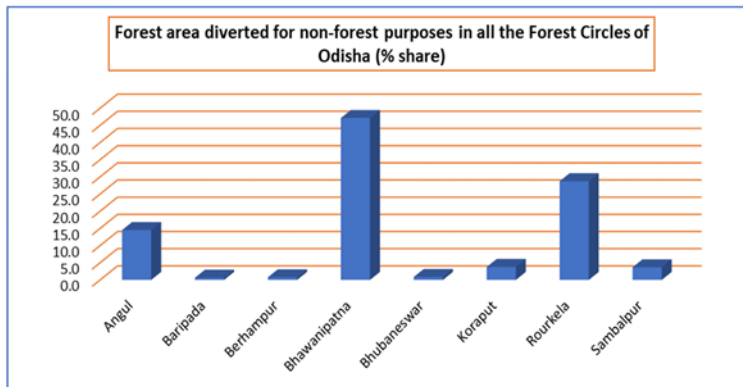
## 1.2 Diversion of Forest Lands for Non- Forest Purposes in Odisha

By virtue of Section-2 of Forest Rights (Conservation) Act, 1980, The Ministry of Environment, Forests and Climate Change, Govt. of India accords approval for diversion of forest land for non-forest purposes. As of 01.10.2016, about 57569.26 hectares of forest land had been diverted under the provisions of the said act.

Similarly, as per section 3(2) of the Forest Rights Act, 2006, the Ministry has authorized Divisional Forest Officers (DFOs) to grant permission for diversion of forest land upto 1.0 hectare in each case and which involves felling of trees not exceeding 75 per hectare for small projects of Govt. departments under 13 different categories of projects. As on 01.10.2016, about 257.924 ha. of forest land had been diverted.

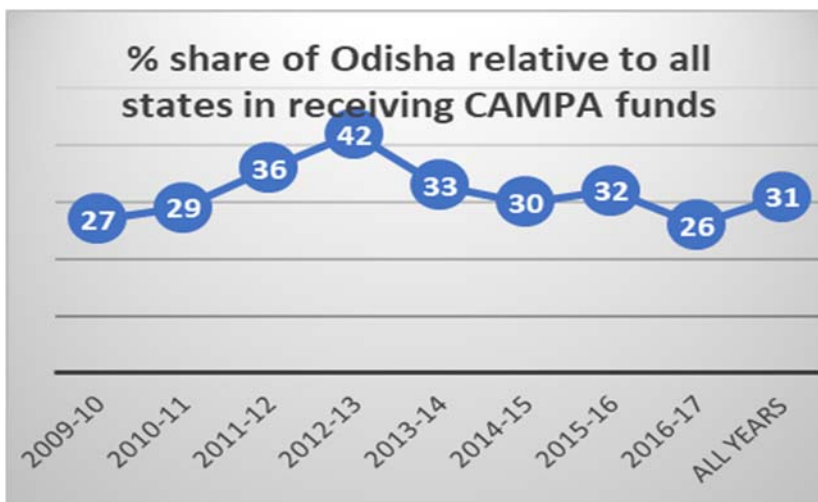
In addition to those two provisions, as per section 2 of Forest Rights (Conservation) Act, 1980, the Ministry has authorized the state Government to grant general approval for diversion of forest land upto 5 hectares in each case for creation of critical public utility infrastructure by Government departments which involves felling of trees not exceeding 50 per hectare in Left Wing Extremism (LWE) affected districts in 15 categories of projects. By the end of 01.10.2016, about 53.866 hectare of forest land has been diverted.

As per e-Green watch data available, forest diversion for non-forest purposes for all forest circles comprising of all forest categories is to the extent of 130242 hectares by the end of December 2019. Of the total forest area diverted, percentage share of RF, Revenue Forests, PFs and proposed PFs stand at 32.5, 25.7, 2.8 and 39.0 percent respectively. Maximum proportion of forest land were diverted in Bhawani Patna circle followed by Rourkela and Angul circles.



### 1.3 Formation of CAMPA and State CAMPA in Odisha

The Hon'ble Supreme Court on 10<sup>th</sup> July 2009 issued orders that there will be a Compensatory Afforestation Fund Management and Planning Authority (CAMPA) as National Advisory Council under the chairmanship of the Union Minister of Environment & Forests for monitoring, technical assistance and evaluation of compensatory afforestation activities. Compensatory Afforestation Fund Management and Planning Authority (CAMPA)



are meant to promote afforestation and regeneration activities as a way of compensating for forest land diverted to non-forest uses. In the same year, states had set up State CAMPAs that receive 90% of funds from National CAMPA to use for afforestation and forest conservation.<sup>1</sup>

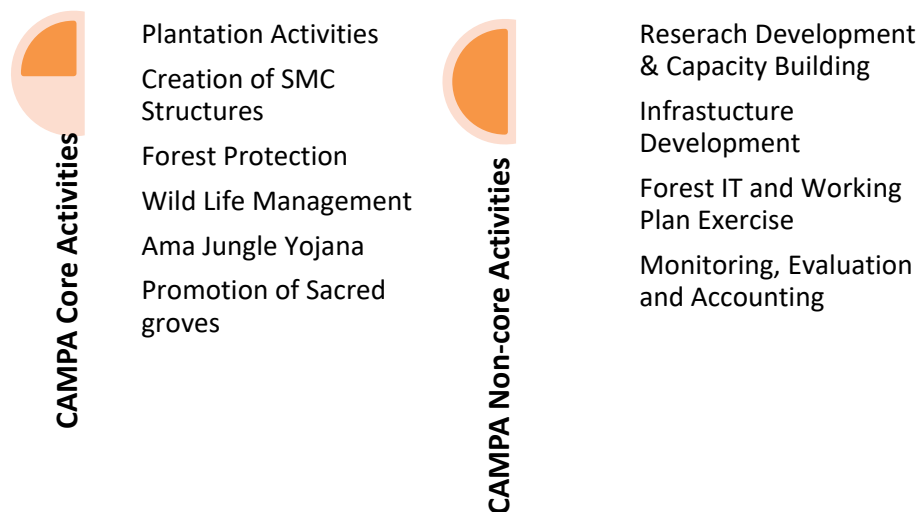
The Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Odisha was constituted vide Notification No. 13995/F&E dated 14.08.2009 with an objective of Conservation, Protection, Regeneration and Management of existing

<sup>1</sup>Ministry of Environment and Forests, 2009. The Guidelines on State Compensatory Afforestation Fund Management and Planning Authority (State CAMPA), Government of India, Dated 2nd July 2009



natural forests, Wildlife and their habitat and raising Site Specific compensatory Afforestation, Penal compensatory Afforestation, etc. As per the provisions of CAMPA guidelines, the state CAMPA has been formulating Annual Plans of Operation (APO) for all the years since 2009-10. Since 2009-10 and upto 2016-17, an amount of Rs. 182215.00 is released by Govt. of India to Odisha state for implementation of CAMPA. Odisha's share in overall CAMPA allocation stands more than 26 percent in all the years.

## 1.4 Activities undertaken under CAMPA implementation in Odisha



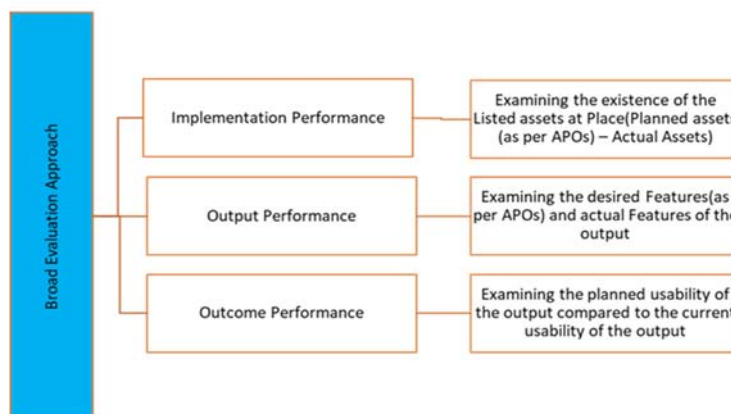
## 1.5 About the Study

Office of the Chief Conservator of Forest, CAMPA, Odisha with the objective of a technical evaluation of all the ongoing activities under CAMPA by a third-party evaluator has commissioned the study to CTRAN consulting Ltd, Bhubaneswar. The broad scope of the study comprises evaluation of all interventions made out of CAMPA funds during the period 2009-10 to 2016-17. (letter no- 19480/10F (CAMPA)- 07/11 (Part), dated 20<sup>th</sup> September, 2018, Bhubaneswar).

## 2.1 Evaluation Framework

The performance evaluation framework of the study considered implementation process, output and outcome of various components and sub components of CAMPA intervention in all the forest circles of Odisha. With objective of assessing the performance of implementation, planned intervention as per APOs was compared with actual intervention undertaken. Performance of various outputs were analysed by comparing actual physical assets as against the planned assets.

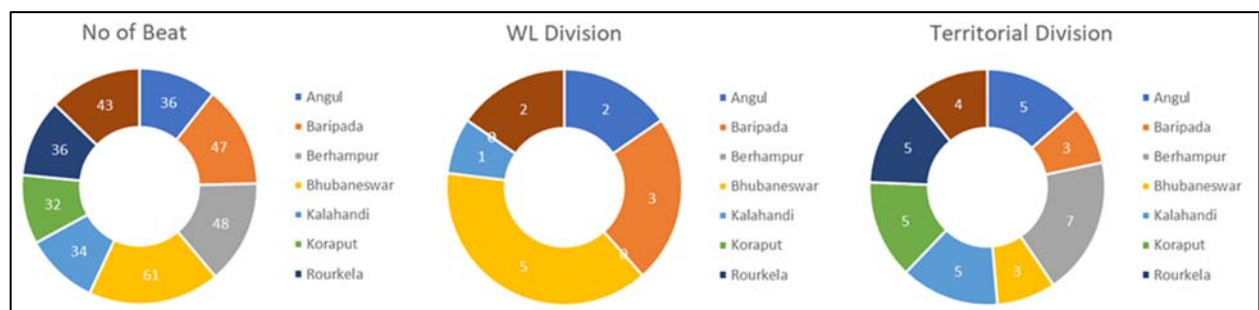
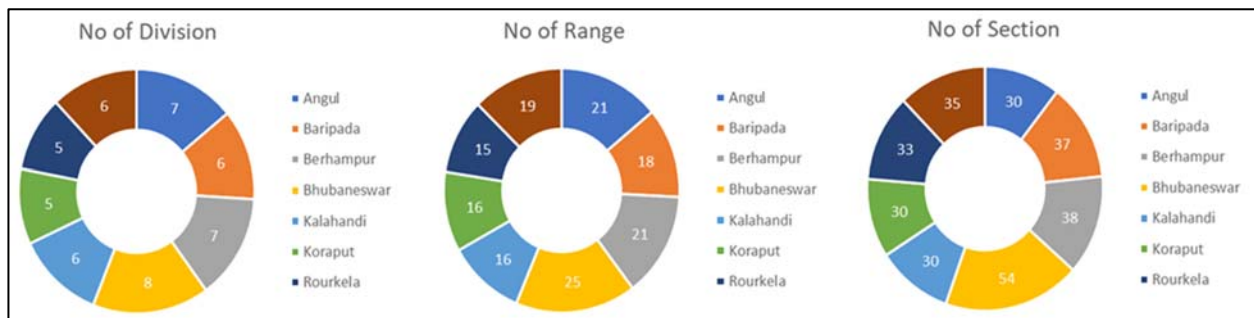
Outcome performance was analysed by considering usability and impacts of various assets created under CAMPA. While doing so, Field observation, Focus Group Discussion with community members/ JFM members, Key Informant Interview (KII), Stakeholder consultations along with relevant Forest Department officials involved for CAMPA implementation were undertaken. The secondary data as per the requirement of the study were obtained



from the PCCF's office, divisional and range offices of forest department. Besides, the study also utilized time series data on the interventions for all the components and sub components.

The assessment study is comprehensive in view of multiple components and sub components of intervention under CAMPA. All the activities under CAMPA intervention are evaluated in all forest divisions of all eight circles. The sampling procedure adopted in the study was different for different components in view of the diversity and nature of work evaluated.

## 2.2 Study Coverage



## 2.3 Components Evaluated



## 2.4 Sampling

The sampling of plantation sites was done on the basis of Stratified Random Sampling method. This is to mention that under CAMPA fund, various types of plantation activities include Afforestation/reforestation (AR), Assisted Natural regeneration (ANR), Interventions in bald hills (hills without any vegetation), Avenue plantations, and Compensatory afforestation. The evaluation methodology for AR, AR in bald hills and compensatory afforestation followed the format prescribed by the Odisha Forest Department - Project Management Unit (PMU). Each sample plot was marked on a map of plantation site. Along with those photographs with date and time, geo-coordinates (using GPS instrument) of each sample plots were also recorded.

**Sampling of Plantation Sites:** The number of plots sampled out was determined for the overall plantation sites taken up by all the forest divisions in Odisha during the period 2009-10 to 2016-17. **It was calculated that there was plantation of 1195395 hectares under CAMPA in all the forest divisions of the state during the period 2009-10 to 2016-17. The number of plantation sites for all the forest divisions was estimated at 10758.**

The overall plantation sites so arrived constituted the population size of plantation sites covered under CAMPA funds. For determining the representative number of sample size of plantation sites for all the forest circles, the level of precision (sampling error) was fixed at  $\pm 5$  percent, the confidence level was fixed at 95 percent and the degree of variability was assumed at 0.5 percent indicating maximum variability between population parameter and sample statistic to the extent of 0.5 points. Accordingly, **372 no. of sample plantation sites were determined.**

**Sample no Sites per forest division:** Considering overall sample size of 372 number of plantation sites for all forest divisions, and equally distributing it over all the 50 forest divisions in Odisha, the number of sample plantation sites per forest division is arrived at 7 plantation sites. While evaluating plantation sites, it was ensured that all categories of plantations carried out under CAMPA were covered. If more than seven categories of plantations were covered with CAMPA funds, additional sites weretaken in the study.

**Sample no of plots per plantation site:** Further, stratified random sampling was considered for determining sample plots considering the size of the plantation sites (Hectare area of plantation) as the units of stratification. The number of plots considered for the sampled-out sites for polyculture type of plantations is considered on the higher side compared to monoculture type of plantations sites in view of the species diversity in polyculture type of plantations. The plot scheme for both types of plantation sites is as per the box given below.

**Box-1: Plot Scheme**

Monoculture Plantation	Polyculture Plantation
<ul style="list-style-type: none"> <li>• &lt; 25 Ha - one sample plot</li> <li>• &lt; 50 Ha - two sample plots</li> <li>• &lt; 75 Ha - three sample plots</li> <li>• &gt; 100 Ha - four sample plots</li> </ul>	<ul style="list-style-type: none"> <li>• &lt; 25 Ha -two sample plots</li> <li>• &lt;50 Ha - three sample plots</li> <li>• &lt;75 Ha - Four sample plots</li> <li>• &gt;100 Ha - five sample plots</li> </ul>

*N:B: The plot size is 0.1 Ha which is equivalent to 1000m<sup>2</sup>[31.62m x 31.62m]. In each plot, the total number of planted species are counted for finding out the survival rate. In addition, GBH/GCH, height and other parameters are also assessed.*

**2.5 Determining Sample Plots within Sample Sites**

After reaching the plantation site, randomly preferably 30 metres inside the approach point, a central point was fixed and thereafter with the objective of setting four corners of a square plot, the NE at 45°, SE at 135°, SW at 285° & NW at 310° corners of the plot by measuring 22.36 m. horizontal distance (i.e. half of the diagonal) by in all four directions were earmarked. These four corners weremarked by thin poles. A plastic rope wastied at the top end of these corner posts for getting clear visibility from different spots in the plot. All sides measuring 31.62 metres horizontal distance wereonce again ascertained by the members of study team. Each of the selected plots was visited by the monitoring team and the details as mentioned in the box given alongside were documented on field. For all sampled out plantation plots, following parameters were physically examined:

- Plot location and area
- Plantation model type and design
- Age of the plantation
- Number of saplings planted initially (species wise)
- Height of the saplings when planted
- Number of plants surviving at the time of monitoring
- Average height of surviving plants
- Species composition and distribution
- Protection system and maintenance
- Anthropogenic pressure (Grazing Pressure or illicit cutting)

→ **Survival rate of the plantation**

- Total number of saplings planted at the plot ( $N_0$ )
- Number of plants surviving currently ( $N_1$ )
- Overall survival rate of the planted saplings at the plot

→  **$(N_1/N_0 * 100)$  and mortality rate  $[(N_0-N_1)/N_0 * 100]$**

- Species wise survival rate of the planted saplings at the plot
- Species wise and year wise casualty replacement done.

→ **Average Height, (in ft.)**

- The height of all types of plants surviving at the plot.
- Species wise frequency distribution tables were prepared and their average height was calculated.

## **2.6 Evaluation of Subsidiary Silvicultural Operations of Bamboo and timber**

Along with the evaluation of plantation activities, at least one silvicultural operation site was considered for all the forest divisions covered in the study. However, in some of the forest divisions where intensity of SSO is felt higher by the evaluators, subjectively a greater number of sample sites were considered.

## **2.7 Evaluation of SMC Measures, Fire Protection Measures and Ama Jungle Yojana**

During stakeholders' consultation it was understood that in majority cases, SMC structures were created either inside the plantation site or adjacent to plantation sites. So, all the SMC structures developed on sampled plantation sites were evaluated during the evaluation of plantation and silvicultural operations. The different SMC structures commonly considered under CAMPA was shown in the box given alongside. The SMC works undertaken beyond the plantation sites were also selectively considered. Similarly, the details of fire protection measures were assessed for all the plantation sites covered under the study. This is to note that Ama Jungle Yojana (AJY) is not implemented in all of the forest divisions. With respect to Berhampur forest circle, AJY was implemented at Phulbani, Paralakhemundi and Baliguda forest divisions only. One VSS supported under AJY was evaluated for each of these forest divisions.

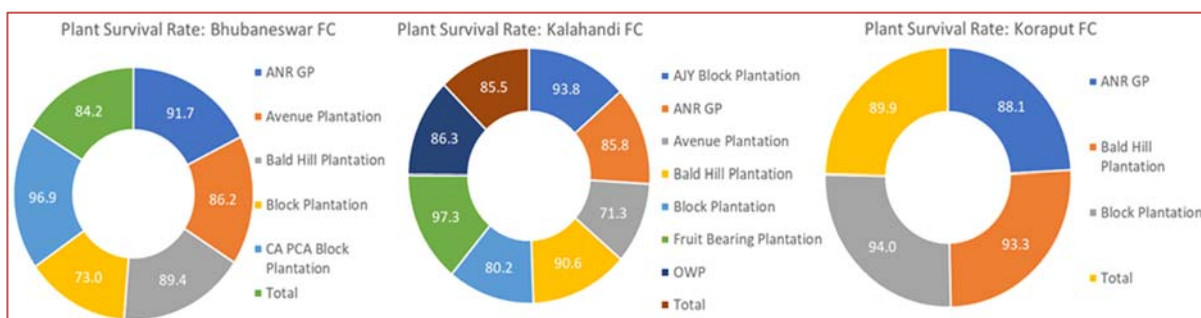
## 2.8 Evaluation of Wildlife Management

A Part of CAMPA funds are utilized for wildlife management in all the forest divisions. After assessing the type of activities undertaken for wildlife management, in the sampled-out forest ranges where plantation activities were evaluated, all types of activities for wildlife management were also evaluated. Some of the important wildlife management activities covered in the evaluation process included anti- poaching barracks, anti-poaching squads, animal rescue centres, watch towers, slat licks, etc.

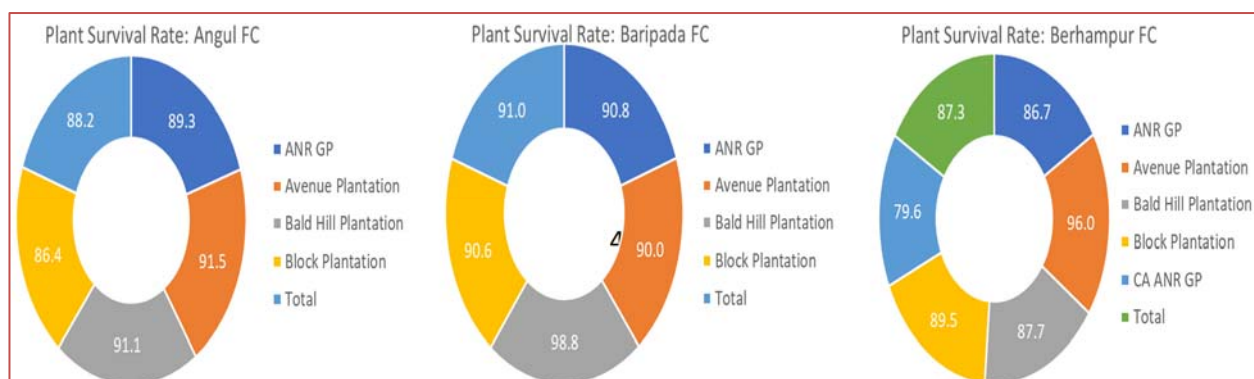
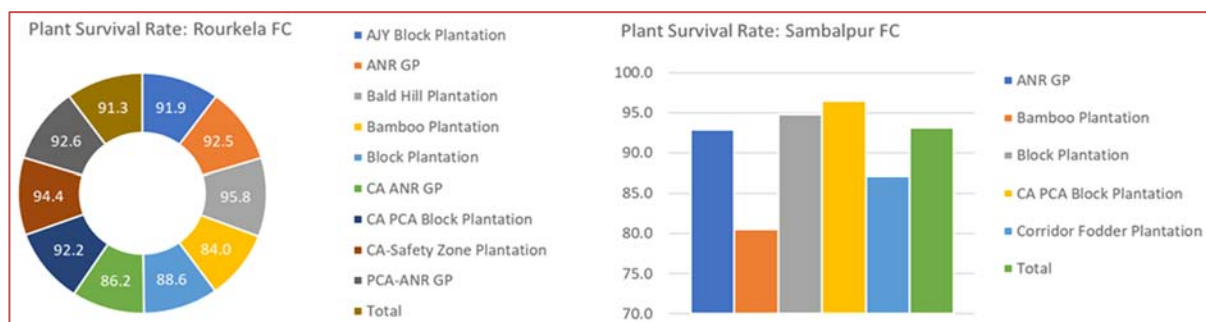
## 2.9 Infrastructure Development

Stakeholders' consultations organized at circle and division level indicated that a number of infrastructure related activities including staff quarter for forester- cum- office, boundary walls and range offices were created with the utilisation of CAMPA funds. For the sampled-out ranges, all types of infrastructure development activities were evaluated.

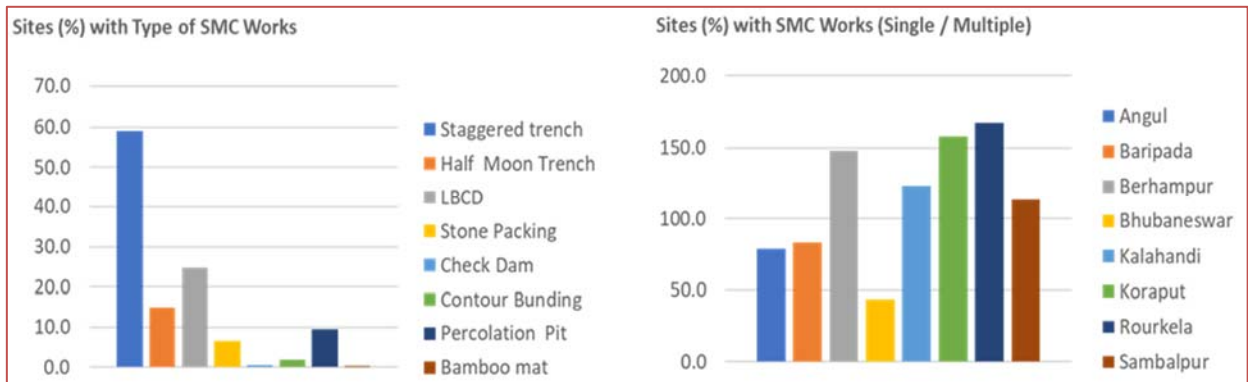
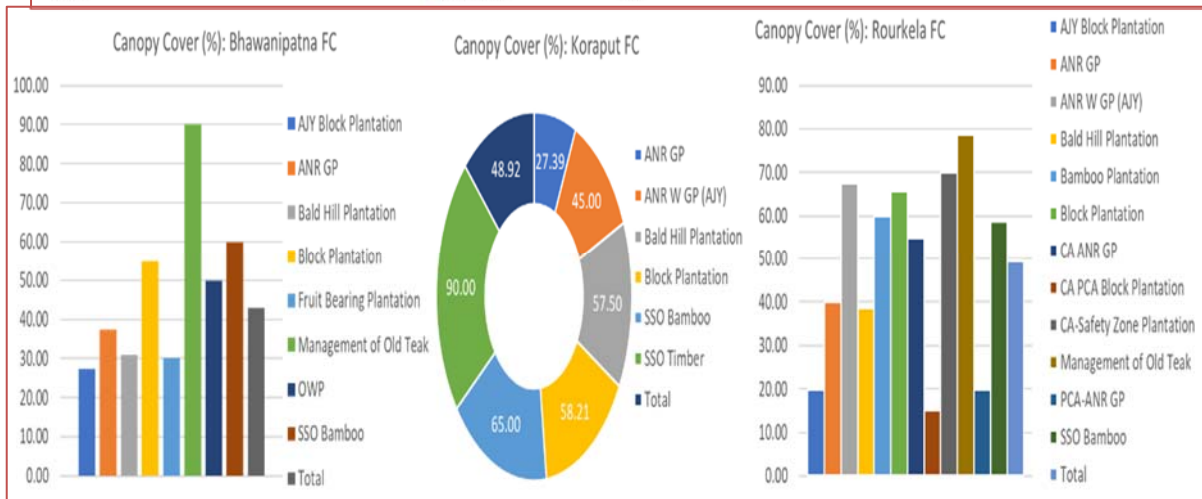
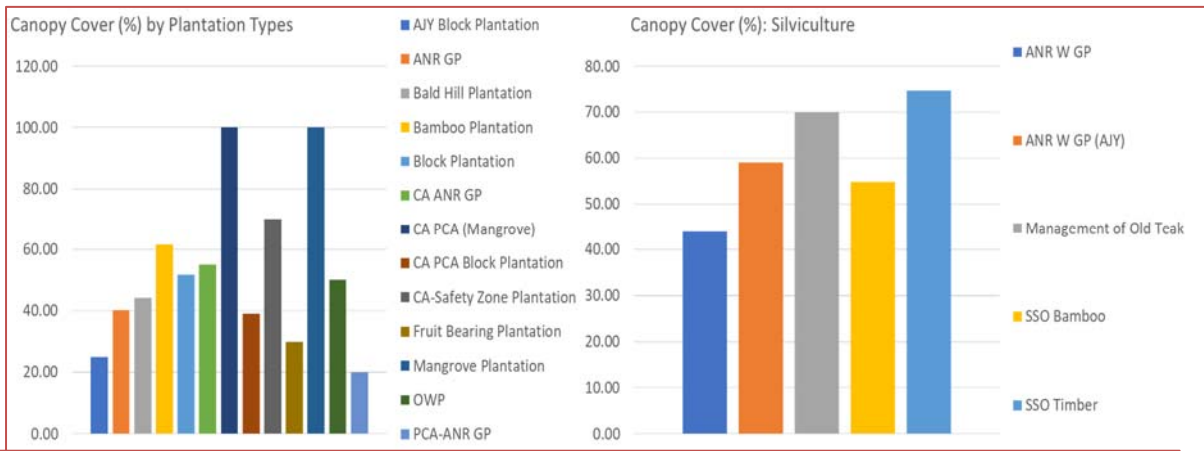
## Evaluation Results



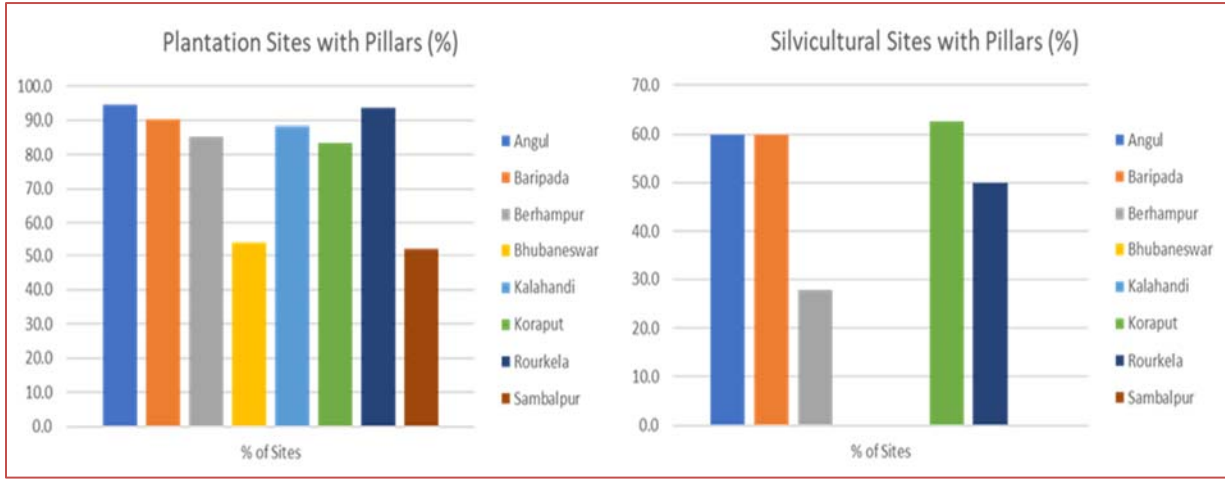
## 2 Plant Survival Rate



# Canopy Cover

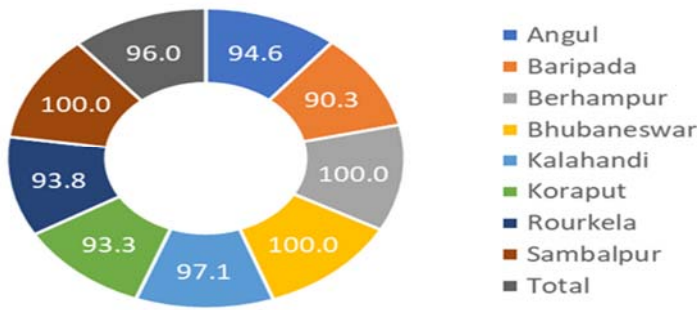






### Record keeping and Documentation

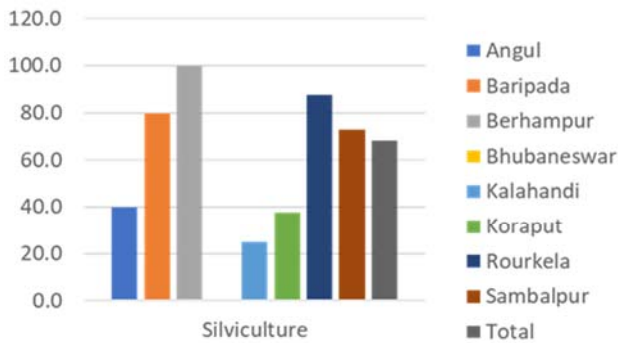
Observed Plantation Journal



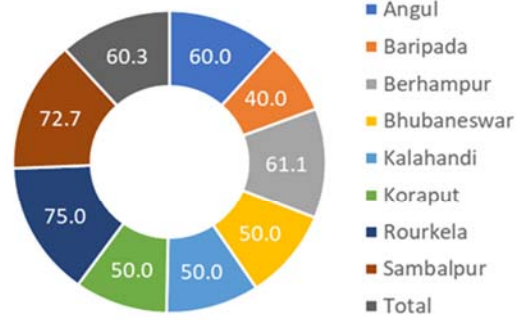
Journal Fully / Partly Prepared



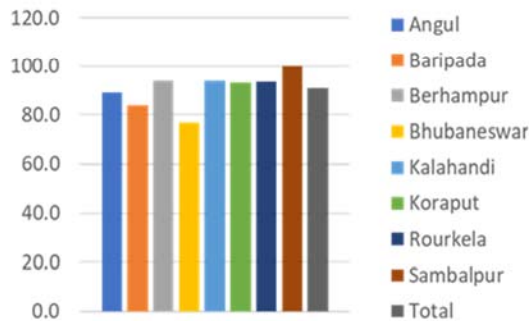
Silviculture Sites (%) having Treatment Map



Sites (%) Maintaining Register



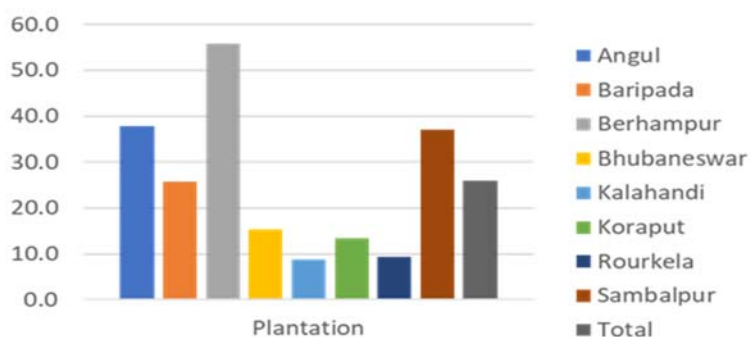
Sites (%) having Map of Plantation Sites



### **Findings for other than Plantation Activities**

- Due to CAMPA intervention, a number of infrastructure facilities were created in all forest ranges including range office, forester quarter-cum -office, forest guard quarters, barracks.
- The construction quality of buildings is observed to be quite high and the infrastructure created found to be productive
- Due to construction of new buildings for Range offices, more convenience to work was stated by the forest officials. The forest work could be managed easily. The direct supervision of the Range officer could be done easily. Information sharing became easy within a short period of time.
- Due to construction of quarters for range officers, foresters and forest guards, there is better protection of forest resources.
- Due to the staff barrack, staffs are doing patrolling smoothly.
- Construction of antipoaching sheds facilitated staying facility of anti-poaching squads, poaching cases started to decrease.
- Construction of staff barracks helped staying facilities for the patrolling staff in the operation area for which they discharge their duty efficiently.
- CAMPA fund enabled the department to engage contractual watch and ward staff in forest operation, management and wildlife protection. Plantation casualty largely depended upon the watch and ward which benefited with continuity of the contractual employees who were mostly drawn from local community.
- CAMPA fund helped in intensification of protection measures and wildlife management across divisions.
- Water bodies created under CAMPA benefited immediate neighbourhood community in addition to the benefits to wild animals.
- Three out of four VSSs reported their respective involvements at various stages of plantation development. All the VSSs adhere to project implementation plans. All the VSSs do maintain good relationship and cooperation with the department.
- The construction quality of all type of buildings are observed to be of good quality and on the basis of usability and impacts, all the infrastructure facilities are found relevant and effective.
- Mega nursery Infrastructure like seedling yard, compost pit, mixing yard, store house, seedling beds, etc. have raised the departmental capacity to produce quality planting material.
- At few wildlife sites, causeway and culvert constructed under CAMPA has served the desired purpose in easing connectivity.

Plantation Sites (%) having Treatment Map



## Way Forward Plantation

- Indigenous species should be planted instead of exotics. Species selected for planting should be done in accordance with local forest types and species composition in the forests of respective agro-climatic zone and physiography. Polyculture mode of plantation may be practised in all sites so that the plantation develops different canopy layers.
- Species should be selected on the basis of soil condition of the plantation site. Climate resilient drought hardy species, good coppice need to be identified for planting in degraded open forests.
- Advance year wise planning for plantation programme would help in developing quality planting materials and site treatment, pitting, manuring, etc. in advance, to ensure growth and higher survival rate. In those lands where soil quality is not conducive for growth of plant, FYM can be applied during initial years of plantation.
- Ideally 2-year seedling could be used to prevent casualty due to browsing and wind damage. Towards quality planting materials, efforts may be directed for germinating it by best quality seeds from indigenous mother trees.
- Maintenance and watch and ward activity could continue for 6 to 8 years for sustainability of plantations. Allotment of plantations to VSS for upkeep and maintenance in exchange of a consolidated amount per year as an incentive can be tried.
- Brush wood fencing is required for the plantation in site which is nearer to the habitation, unless successful community participation is ensured.
- Number of watchers could be in proportion to the size of the plantation site. It is ideal to place one watcher for each 10 hectares of plantation.
- As far as feasible, contiguous areas should be taken up for consecutive planting in successive year to close canopy in open forests and for ease of maintenance and protection.
- After damage of installed sign boards and pillars, there should be reinstallation of the same for proper demarcation and identity of the plantation site.
- Post planting operations should be taken up in a time bound manner, as it is observed that delayed release of fund seriously affects post planting work and has a tell-tale effect on the condition and growth of planted seedlings.
- A combination of planting models with specific objectives should guide species selection and planting design. Only mixture of species should not be the criteria of planting design. Criteria like fuelwood production, NTFP production, Fruit plants corridor, Bamboo breaks, Medicinal trees grove etc. could be various models adopted in selected sites every year.
- Encroached forest lands, lands earlier affected by *podu* should be given priority in afforestation works so that the area is salvaged permanently.

- Fruit bearing tree species may be planted along with other species as it will promote interest of the locals for protection and will also provide some livelihood to them.
- Initiatives may be taken to include local VSSs for protection of all type of plantations.
- Root trainer seedling technology is viewed to have mixed result. It's efficacy however needs proper evaluation.
- In cyclone prone areas, species identified to withstand strong wind and cyclone need to be planted.
- Horticultural species can be promoted in rural areas outside forests under entry point programme to provide livelihood along with green cover.
- Timely fund release is viewed by staffs to be helpful in executing the plantation activities in the APO execution year.

### **Silvicultural Operation and SMC**

- The man-days allotted for SSO Bamboo work is not enough, so number of man-days may be increased. Planting of 2-3 yrs old bamboo seedlings has a better chance of survival and growth. Seedlings developed through layering and cutting technique has been adopted in many states to raise successful bamboo plantations.
- More focus may be given to Silviculture Operation work other than plantation owing to better growth of trees due to silvicultural operations.
- There should be periodic termite treatment measures against termite attack to Teak trees in various plantation sites.
- Regular maintenance work on SMC structures would improve the efficiency and durability of the water and soil conservation system
- Subsidiary silvicultural work like climber cutting and thinning in high forest, forests with high canopy and density can be a regular activity which was the practice in past, but discontinued since long.
- Limited pruning and thinning seem to have been done in old plantations including Teak. During CAMPA period though only Teak plantation pruning was taken up, mixed plantations were excluded. Congested mixed plantations beyond 10 years need thinning which will also produce fuelwood and timber for local people.
- Each water body should have inlet and outlet water flow system which can recharge and discharge the excesses water in rainy season
- Bamboo SSO works should be taken up in a continued manner so as to cover a particular forest block in 2-3-year time, instead of operating in a scattered way in different forest blocks. Rotational closure of forests to grazing would be helpful in regeneration of severely degraded bamboo areas. The adjoining villages need to be roped in for bamboo SSO works in a way that forest closure to grazing can be enforced.
- There is constant need to augment the water harvesting structures and various SMC work particularly in degraded sites, and hilly terrains in many districts.

- Fire protection measures such as fire line creation, training of fire squad & upgradation of equipment should be done. For effectiveness of fire lines maintenance of the same should be done on routine basis.

### **Training and Capacity building**

- Need of training of Forest Staff on proper documentation of Plantation journal, record keeping and reporting is felt. There should be well structured training modules and annual training schedule for different categories of regular and contractual staff. The CCF training and Research could be in charge of monitoring implementation and guidance of the overall trainings conducted at field level.
- Resource persons should be drafted from different line department and academic institutions, NGOs. One or two months could be exclusively devoted in all divisions for annual refresher trainings.
- A professional agency can be engaged to assess training need, develop short term training modules and content design in consultation with the department. Exposure visit within the state and to outside state for lower rung staff like guard, forester would expose them to best practices.

### **Infrastructure**

- A lot of infrastructures have been created under CAMPA fund. Most of the Range offices, Quarters, Section offices, Beat House are made under CAMPA fund. In the case of buildings constructed during initial years of CAMPA now needs to be repaired and maintained.
- With the objective of distinguishing assets created under CAMPA, there could be uniformity in the colour of the buildings in all the forest divisions.
- Permanent electricity and water connection required to be provided to most of the buildings. Fund for renovation of the already existing buildings may be considered for the sustainability of the assets. Maintenance provision of the infrastructural facilities created under CAMPA need to be made either in regular budget or using CAMPA fund.
- The plan and design of each category of building needs a relook in view of many shortcomings in the structural and functional aspects of the infrastructure. For instances in the existing designs, there is no staircase in residential quarter to access the roof, for maintenance work. Similarly, parapets are not provided in some buildings, whereas in others sewerage tanks are not provided for. At many places staff emphasised need for Boundary wall and Tube well in residence of Ranger, Forester and Forest guard.
- Provision of iron window and door panel could be substituted with wooden or PVC door/window panels in view of extreme heat in western Odisha.

## Wildlife Management

- Meadow development works should be part of CAMPA APOs in each year. Reason being that if it is done in a particular year and discontinued subsequently, there is dearth of fodder for wild animals.
- Fodder Plantations should be prioritized in elephant corridors because such type of plantations may restrict elephants to forest area. In the process human elephant conflict can be reduced.
- Some incentive system over the monthly remuneration for para, anti-poaching staff, elephant trackers, forest squads engaged the service providers under CAMPA, may be considered to motivate the frontline workers.
- Maintenance of solar fencing system should be taken up periodically. In many instances it is observed that once battery is damaged, there is no further provision of maintenance of solar fencing system. Provision of AMC or empanelled vendors for maintenance at circle/division level is essential to keep all units functional.
- Solar lighting of vulnerable villages in the forest fringes can be helpful to prevent village raiding by elephant.
- There has been less focus in maintaining VHF system in the wake of mobile use. However, in many interior areas it serves useful purpose. So, all dysfunctional units need to be repaired/replaced and updated.
- Permanent tracking stations in the elephant corridor and adjoining habitations regularly visited by elephants would be helpful in round the year monitoring of animal movements.
- Proper selection of sites for waterbody to be done to avoid water tanks in non-essential sites.
- Proper care to be taken in dovetailing of wild life management schemes with CAMPA APO to avoid overlapping of similar works in specified sites.
- Use of drone in monitoring wild animal can be started on experimental basis.
- An information network and WhatsApp group involving all vulnerable villages of a range can provide advance intimation and warning on wildlife movement.
- Fuel supplied for trawlers engaged in sea patrolling at Rajnagar WL division is viewed insufficient. Increased amount of fuel may be provisioned for effective patrolling.
- It is viewed that livelihood promotion in forest range areas frequently encountering man-animal conflict and control of poaching is still needed.
- Provision of a greater number of rescue units and increased mobility to attend injured animal to be given importance in future APO.
- The wildlife protection squad patrolling at sea (Rajnagar WL division) need proper training and sea worthy equipment and protective gear.
- Use of mobile APP for tracking animals and communication to find place in the wildlife management approach. Networking of vulnerable villages through WhatsApp group within a range would help in better surveillance and tracking of wild animals.

- Department may also plan for online of payment of crop damage and wildlife damage to property and life
- Regular awareness campaign to protect wildlife and do's and don'ts for public in vulnerable areas through electronic and print media can be taken up as a round the year activity by wildlife wing.

### **Ama Jangal yojana**

- It is a flagship programme of GoO which is at the initial stage of implementation. The budgetary allocation is limited. Plantation has been the singular component with little entry point or other conservation activities.
- Community response and involvement widely varies across ranges. To make it a full-scale community programme the scheme needs long term continuity, higher infusion of funds and a project mode of implementation as had been the case with OFSDP
- In view of lack of proper guideline, the programme has been mostly top down. Although micro plans have been developed, villagers' role has been mostly confined to wage labour. The level of awareness about the programme is relatively low in most places except for few village leaders. It has to be improvised.

## **PART – II**

Compensatory afforestation is done in lieu of the forest lands diverted for non forestry purposes. Compensatory afforestation is one of the most important stipulations by the Central Government during the approval of de-reservation /diversion proposal of forest land for non-forestry use. The project proponent either Government /private must have to take clearance from the MoEF prior to conversion of land basing on its guidelines. In consonance with the Forest (Conservation) Act 1980, and the Rules and guidelines there under, the imposition of CA fund from user agency are to be collected. In certain cases additional conditions are also imposed considering the project proponent. Implementation of the site-specific schemes of Compensatory Afforestation (CA), Penal Compensatory Afforestation (PCA), Catchment Area Treatment Plan (CATP), etc., approved along with the forest diversion proposal is the first charge on the CAMPA fund. The total forest area diverted in the State under Forest (Conservation) Act 1980 is 55534.3998 ha up to Sep. 2019 but the MoEF & CC has stipulated compensatory afforestation over 72606.5706 ha up to Sep. 2019. The compensatory afforestation over 64135.268 ha has already been undertaken till 2019-20 plan period. An area of 4355.35 ha has been included in current APO 2020-21.

<b>Sl. NO.</b>	<b>Area Category</b>	<b>Area in Ha</b>
1.	Total Forest Area Diverted upto Sep. 2019	55534.39
2	Total Stipulated Area (As per GOI) for Compensatory Afforestation upto Sep. 2019	72606.57
3.	Compensatory Afforestation completed upto Sep. 2019	64050.90
4.	Balance Area to be covered	8555.67
5.	Proposed CA in APO 2020-21	4355.35
6	Proposed CA, PCA in APO 2021-22	4000.00

### **1. COMPENSATORY AFFORESTATION DETAILS:**

#### **1.1 Current Year Activities**

The proposal for CA, PCA, Addl CA over 232.036 ha in block plantation mode, ANR with gap over 2543.087 ha , ANR without gap over 458.678 ha and bald hill over 974.724 ha has been proposed in APO 2020-21. Financial outlay of Rs 1739.11081 lakh has been made for the above purposes. Proposal of ancillary activities for above CA, PCA, etc as



per approved site specific scheme with an financial outlay of Rs 2686.6322 lakh has been included in this APO. Apart from above, there are other stipulations like Block plantation over 8.835 ha , ANR over 137.99 ha and tree plantation for 5050 nos has been proposed with financial outlay of Rs 57.9256 lakh .An amount of Rs 54.57069 lakh has been proposed to be spent for ancillary activities for other stipulations. In ancillary activities such as fencing, SMC measures, training, EPA activities will be carried out as per site specific scheme approved of by MoEF&CC. Further, the maintenance of the previous year plantation and the pre-planting operation of plantation to be taken up during 2021-22 have been included in the APO 2020-21. Abstract of the current year afforestation activities and the division wise details are given in the **Table 1.1 and 1.2** . Division wise and location wise details of CA, PCA are given in **Annexure II-I**

<b>Table 1.1 ABSTRACT OF THE CURRENT YEAR CA, PCA AFFORESTATION ACTIVITIES</b>				
<b>S.No.</b>	<b>Type of Plantation</b>	<b>Category</b>	<b>Physical Target</b>	<b>Financial Target (Lakhs)</b>
1	CA, PCA, Addl. CA to be carried out during 2020-21	Block	232.036	1739.11
		ANR with gap	2543.087	
		ANR without gap	458.678	
		Bald Hill	974.72	
2	Ancillary activities to be carried out as per site specific scheme like fencing, SMC, training, EPA etc			2686.63
3	Other stipulation	Block plantation	8.835	57.93
		ANR	137.99	
		Tree planting	5050 nos	
4	Ancillary activities to be carried out for the Other Stipulations as per site specific scheme like fencing, SMC, training , EPA etc			54.57
	<b>Total</b>			<b>4538.24</b>

<b>Table 1.2 DIVISIONWISE DETAILS OF CURRENT YEAR AFFORESTATION ACTIVITIES UNDER CA, PCA</b>									
<b>Name of Division</b>	<b>1st year creation</b>								
	<b>Plantation Area in ha</b>						<b>Financial Target in Rs. Lakhs</b>		
	<b>Block</b>	<b>ANR</b>	<b>ANR without Gap</b>	<b>Bald hill</b>	<b>Saplings in No.</b>	<b>Total Area</b>	<b>Total Plantation</b>	<b>Total Ancillary Activities</b>	<b>Total Outlay</b>
Cuttack	13.99	5.49	0	0	0	137.66	113.39	0.72	114.12
Sambalpur	0.00	316	0	0	0	316.00	77.48	183.41	260.89
Jharsuguda	0.00	12.21	0	0	0	12.21	3.59	6.39	9.98
Bargarh	0.00	48.85	0	0	0	48.85	14.37	16.73	31.10
Keonjhar	6.37	180.06	0	0	3650	186.43	58.03	60.20	118.24
Bonai	5.23	354.32	0	0	240	359.55	81.76	326.00	407.76
Rourkela	37.67	295.98	0	0	0	333.65	76.54	157.44	233.98
Deogarh	0	77.45	0	0	0	77.45	34.43	20.69	55.12
Keonjhar WL	0	1.98	0	0	0	1.98	0.73	1.08	1.81
Khorda	0	24.28	0	0	0	24.28	5.32	0.00	5.32
Nayagarh	1.42	208.01	0	0	0	209.43	75.70	8.90	84.60
Berhampur	3.79	0.01	0	0	0	3.81	1.18	5.74	6.93
Rayagada	19.67		0	0	0	19.67	6.12	14.75	20.87
Kalahandi (S)	150.0	100	458.68	636.55	0	1345.2	714.38	1238.76	1953.14
Bolangir	0	887.54	0	0	0	887.54	260.48	302.62	563.11
Subarnapur	0	140	0	220.00	0	360.00	260.68	354.97	615.65
Angul	0	0.00	0	0	1160	0.00	5.68	0	5.68
Gh South	0.27	2.00	0	0	0	2.27	0.52	0	0.52
Gh North	0.05	0.39	0	0	0	0.44	0.10	0	0.10
Dhenkanal	0.82	6.43	0	0	0	7.25	1.66	0	1.66
Sundargarh	1.59	20.07	0	0	0	21.66	4.89	42.79	47.68
<b>Total</b>	<b>240.8</b>	<b>2681.08</b>	<b>458.68</b>	<b>974.72</b>	<b>5050.00</b>	<b>4355.3</b>	<b>1797.04</b>	<b>2741.20</b>	<b>4538.24</b>

## 1.2 MAINTENANCE OF THE PREVIOUS YEAR PLANTATIONS UNDER CA/PCA:

The maintenance activities under CA, PCA are given in the following **Table 1.2.1** and the abstract of the afforestation activities in this APO are given in the **Table 1.2.2**

<b>Table 1.2 .1 ABSTRACT OF 2<sup>nd</sup> ,3<sup>rd</sup>, 4<sup>th</sup> , 5<sup>th</sup>, 6<sup>th</sup> YEAR MAINTENANCE &amp; P.O. OF CA, PCA</b>				
<b>Sl. No.</b>	<b>Type of Plantation</b>	<b>Category (Ha)</b>	<b>Physical Target in Ha.</b>	<b>Financial Outlay (Lakhs)</b>
<b>2<sup>nd</sup> year maintenance</b>				
<b>1</b>	2 <sup>nd</sup> year maintenance of CA, PCA of 2019-20 to be carried out during 2020-21	Block	247.79	401.00
		ANR	2826.67	
		Bald Hill	227.50	
	2 <sup>nd</sup> year maintenance of left over CA of 2019-20 to be carried out during 2020-21	ANR	4.48	5.44
		ANR without Gap	93.17	
	2 <sup>nd</sup> year maintenance of other stipulation of 2019-20 to be carried out during 2020-21	Block	20.77	327.36
		ANR	1661.56	
		Bald Hill	155.75	
	2 <sup>nd</sup> year maintenance of left over Canal Bank of 2019-20 to be carried out during 2020-21	Canal bank Plantation	31.1 RKM	14.47
	Ancillary activities for other stipulations of 2019-20 to be taken up during 2020-21			754.74
<b>Total</b>				<b>1503.00</b>
<b>2</b>	<b>3<sup>rd</sup> year maintenance</b>			
	3 <sup>rd</sup> year maintenance of CA, PCA of 2018-19 to be carried out during 2020-21	Block	133.45	53.35
		ANR	1066.25	
	3 <sup>rd</sup> year maintenance of Back Log CA against Old Projects taken up 2018-19 to be carried out during 2020-21	Block	75.70	29.77
		ANR	613.31	
	3 <sup>rd</sup> year maintenance of Back Log CA out of problematic CA Area taken up 2018-19 to be carried out during 2020-21	ANR	152.38	5.09
	3 <sup>rd</sup> year maintenance of Back Log CA surrendered during 2017-18 taken up 2018-19 to be carried out during 2020-21	Bald Hill	48.25	8.76
3 <sup>rd</sup> year maintenance of surrender CA (surrendered during 2017-18) taken up 2018-19 to be carried out during 2020-	Block	3.22	2.82	
	ANR	72.81		

	21			
	3 <sup>rd</sup> year maintenance of Other stipulations of 2018-19 to be carried out during 2020-21	Block	10.45	4.79
		ANR	79.30	
		Other	2300 nos of Tree Plantation	
	3 <sup>rd</sup> year maintenance of Other stipulations surrender during 2017-18 taken up 2018-19 to be carried out during 2020-21	Avenue Plantation	7000 nos	11.39
	<b>Total</b>			<b>115.96</b>
<b>3</b>	<b>4<sup>th</sup> year maintenance</b>			
	4 <sup>th</sup> year maintenance of 2017-18 CA, PCA, Addl. CA to be carried out during 2020-21	Block	6.353	20.87
		ANR	1036.82	
		Bald Hill	65.00	
	4 <sup>th</sup> year maintenance of 2017-18 backlog CA to be carried out during 2020-21	ANR	61.51	0.58
	4 <sup>th</sup> year maintenance of surrendered CA of 2016-17 taken up during 2017-18 to be carried out during 2020-21	Block	69.46	35.26
		ANR	1796.03	
		Bald Hill	87.00	
		Other Stipulation	100 nos tree	
	4 <sup>th</sup> year maintenance of 2017-18 other stipulations to be carried out during 2020-21	Block	0.65	45.12
		ANR	36.42	
		Avenue	44681 nos	
	<b>Total</b>			<b>101.82</b>
<b>4</b>	<b>5<sup>th</sup> year maintenance</b>			
	5 <sup>th</sup> Year maintenance of 2016-17 CA, PCA, Addl. CA to be carried out during 2020-21	Block	418.01	47.40
		ANR	2569.56	
	5 <sup>th</sup> year maintenance of 2016-17 other stipulations to be carried out during 2020-21	Block	26.28	63.71
		ANR	653.03	
		Bald Hill	168.60	
		Avenue	27300 nos tree	
	5 <sup>th</sup> year maintenance of 2016-17 CATP to be carried out during 2020-21	ANR	62.00	0.58
	<b>Total</b>			<b>111.68</b>
<b>5</b>	<b>6<sup>th</sup> year maintenance</b>			
	6 <sup>th</sup> year maintenance of 2015-16 plantation to be carried out during 2020-21	Block	501.64	58.83
		ANR	3257.35	
	6 <sup>th</sup> year maintenance of other stipulations of 2015-16 to be carried out during 2020-21	Block	22.38	11.31
		ANR	259.3	
		Avenue	30.44 Rkm	

	<b>Total</b>			<b>70.14</b>
<b>6</b>	<b>P.O during 2020-21</b>			
	P.O to be taken up during 2020-21 for carrying out plantation in 2021-22 (Tentative)	Block	300 ha.	103.13
		ANR	3000	248.20
		Bald Hill	700	709.36
	<b>Total</b>			1060.69
	<b>Grand Total-</b>			<b>7501.54 Or 75.01 Cr</b>

**Table 1.2.2 ABSTRACT OF PLANTATION ACTIVITIES UNDER CA, PCA**

<b>Activity</b>	<b>Physical Target</b>	<b>Financial Target (Rs. in lakhs)</b>
Current year plantation	4355.35 ha & 5050 nos	4538.2393
2 <sup>nd</sup> year maintenance	5237.70 ha & Avenue 31.1 Rkm	1503.00202
3 <sup>rd</sup> year maintenance	2255.11 ha 9,300 (No)	115.96105
4 <sup>th</sup> year maintenance	3159.25 ha 44781 (No)	101.82123
5 <sup>th</sup> year maintenance	3897.47 ha 27300 (No)	111.6834
6 <sup>th</sup> year maintenance	4040.67 ha 35382 (No)	70.14431
Preliminary Operation (Tentative)	4000 ha	1060.6902
		<b>7501.54</b>

Thus, the total financial outlay for CA, PCA component under APO 2020-21 stands at Rs.75.01 Crore to take up 232.036 ha Block Plantation (AR), 2543.08 ha ANR with gap, 458.68 ha ANR without gap, 974.724 ha Bald Hill, 5050 Nos. saplings plantations along with ancillary works. Further, other stipulation over 146.83 ha and maintenance of previous years plantations i.e. 2nd, 3rd, 4th, 5th & 6th year and preliminary operations for 21-22 plantations will also be taken up.

## **2. INTEGRATED WILDLIFE MANAGEMENT PLAN**

The integrated wildlife management plan has been formulated by the PCCF WL & CWLW, Odisha at the time of diversion of forest land for non-forestry purposes to tackle issues such as habitat loss, degradation, fragmentation of habitats, spread of exotic flora and fauna species, pollution, biotic interference, animal corridor issues, etc. Wildlife management plan is essentially for properly managing wildlife habitats, populations connecting corridor and minimize man animal conflicts.

The components of integrated wildlife management plan is mainly consists of

- (A) Regional Wildlife Management Plan
- (B) Site specific Wildlife Conservation Plan

## 2.1 Regional Wildlife Management Plan:

Regional Wildlife Management Plan adopts a landscape approach in conservation of all wildlife in the peripheral areas with full co-operation and support of local people. The monies are collected from the user agencies & mining lease holders to whom the diversion of forestland is allowed with stipulations thereof by Government of India, MoEF & CC. The Nodal wing realizes the money from the user agencies and intimate the position of realization to CWLW, Odisha/ F&E Department/ DFOs concerned. Accordingly, the Regional wildlife management plan is prepared and implemented. As per the Government letter, the cost norm was fixed at –

- a) Rs.15,000/- per hectare on ML area basis for each mining lessee for implementation of the plan over 10 years, who have operated mines upto 2005-06 or any period prior to 2005-06
- b) Rs.11,000/- per hectare on ML area basis for balance period after user agencies have been allowed to operate mines for the first time with Stage-II approval in 2006-07 and onwards.

Since then, the cost norm for implementation of Regional Wildlife Management Plan has been revised time to time as detailed below, basing on the revision of minimum wage rate by State Government.

<b>Min. Wage Rate (Rs)</b>	<b>Cost norm per ha</b>	<b>Effective from</b>	<b>Govt. letter No. &amp; date</b>
55	15000	Upto 22.03.2008	22295/F&E dt 30.12.2005
70	20000	23.03.2008- 12.07.2009	6495/F&E dt 23.03.2008
90	26000	13.07.2009- 05.10.2012	27209/F&E dt 31.12.2013
150	43000	06.10.2012- 04.12.2016	20693/F&E dt 05.10.2013

200	58000	05.12.2016- 29.10.2018	22675/F&E dt 05.12.2016
280	82000	30.10.2018 till date	26159/F&E dt 05.12.2018
298			

Till **Feb'2019** an amount of **Rs.297.36 cr** has been realized for implementation of Regional Wildlife Management Plan. Government of Odisha in Forest & Environment Department have approved the proposal for preparation of a comprehensive Wildlife Management Guidance (OSCOW-MAG) for the whole state vide letter No.8F-(S)-50/2014-15814/ F&E dated 27.08.2014 and the MOU has been signed between the Forest Department ,Government of Odisha and WTI on dated 11.12.2015 at cost outlay of Rs.3.65 Crores to be released in 4 instalments. Out of the total cost outlay, Rs.2.92 Crores has already been released to the WTI as 1<sup>st</sup> and 2<sup>nd</sup> instalments. The WTI has submitted the draft on Comprehensive Regional Management Plan. In the meantime discussions with the field units have been made and the feedback has been communicated to the WTI on the draft document. WTI is in the job of submission of final documents within current financial year. Therefore in this APO, provision has been made for Rs.500.00 lakhs towards its implementation.

## **2.2 Implementation of Site Specific Wildlife Conservation Plan**

To start with a project in forest area it is mandatory to get environmental clearance as per Environmental Protection Act, 1986. In case of diversion of forest land required for the said project then concurrent approval is necessary for diversion of forest land under Forest Conservation Act' 1980. When a Project proponent intends to establish any industry/ developmental/mining project, he is required to apply for diversion of forest land under Forest Conservation Act 1980. While giving clearance to these proposals by the Government of Odisha /Government of India, certain conditions are imposed for conservation of flora and fauna in the project areas as well as to study the area upto 10 km likely to be effected by establishment of such project. It requires preparation of site specific Conservation Plan for each site where these projects are being established. The Site Specific Wildlife Conservation Plan aims at minimizing the threats posed by industrial/ developmental/ mining activity, to improve wildlife habitat in adjoining forest

areas to facilitate movement of wild animal & at the same time to reduce man-animal conflict in the locality.

Certain conditions are imposed for implementation of the Site Specific Wildlife Conservation Plans in as per site condition.

1. The plan is to be approved by the PCCF (WL) & CWLW, Odisha.
2. The fund for implementation of the plan in the project impact area has been deposited by the project proponent in the specific CAMPA A/c.
3. The project has got final forest clearance/ environmental clearance, as the case may be.

Till **Oct'2019** Site Specific Wildlife Conservation Plans of 229 projects have been approved by the PCCF (WL) & CWLW, Odisha at a total project impact area cost of **Rs.86,465.504** lakh. Out of above, **Rs.55,681.00** lakh have been realized from 159 project proponents towards project impact area cost. Since, APO:2011-12, the site-specific wildlife conservation plans are being implemented. Up to APO:2017-18, an amount of Rs.5,185.97 lakh have been utilized. A provision of Rs. 3,571.72 lakh have been made in the APO:2019-20 which is under implementation.

It is proposed to implement 9 new Site-Specific Plans in addition to 74 running Site-Specific Plans of previous years covering **21** Divisions in this plan. Thus, necessary provisions for **83 projects at a cost of Rs.3142.50** lakh have been made under APO 2020-21.

Funds have been provisioned for implementation of Regional Wildlife Management Plan and implementation of Site Specific Wildlife Conservation Plan (9 new site specific plans and 74 ongoing plans) to the tune of Rs.5.00 Crore and Rs.31.42 Crore respectively. The division wise details of number of projects and the amount required under site specific wildlife conservation plan are given in the **Table 2.1**. The division wise and site wise location details are given in **Annexure II-II**

<b>Table 2.1 DIVISION WISE DETAILS OF SITE SPECIFIC WILDLIFE CONSERVATION PLAN</b>					
<b>SL. No.</b>	<b>Name of the Division</b>	<b>No. of Projects</b>	<b>Amount (Rs.in lakh)</b>	<b>Remarks</b>	
				<b>Old</b>	<b>New</b>
1	Angul	4	276.30	4	0
2	Dhenkanal	2	116.61	2	0
3	Satkosia (WL)	1	35.92	1	0



4	Athgarh	2	88.78	1	1
5	Cuttack	12	550.42	8	4
6	Athmallik	1	31.21	1	0
7	Keonjhar (WL)	2	126.04	2	0
9	Khariar	1	5.18	1	0
10	Chandaka (WL)	0	0	0	0
11	Mangrove (WL)	1	191.00	1	0
12	Puri (WL)	1	37.50	1	0
13	Rayagada	3	158.94	3	0
14	Keonjhar	17	408.63	15	2
15	Bonai	14	297.95	13	1
16	Rourkela	5	137.06	5	0
17	Sundargarh	3	49.71	3	0
18	Deogarh	3	188.19	3	0
19	Jharsuguda	4	76.28	4	0
20	Sambalpur	5	213.18	4	1
21	Bamra (WL)	1	15.95	1	0
22	Rairakhol	1	137.65	1	0
<b>Total:-</b>		<b>83</b>	<b>3142.5</b>	<b>74</b>	<b>9</b>

## **PART -III**

There are several activities proposed to be undertaken from Net Present Value and interest component as per Rule 5 and 6 of Compensatory Afforestation Fund, Rule 2018 has been reflected in Part III. The abstract of the activities are given below and the details are given in the individual components and the location details are furnished in different Annexure.

<b>ABSTRACT OF PHYSICAL &amp; FINANCIAL OUTLAY FOR DIFFERENT ACTIVITIES OF APO 2020-21 FOR NPV AND INTEREST MONEY</b>						
<b>80% Activities</b>						
<b>New Activities</b>						
<i>Sl no</i>	<i>Activity</i>	<i>Physical Target</i>	<i>Unit Cost (@ Rs.298/day in lakh)</i>	<i>Financial Outlay (Rs. In Cr)</i>	<i>Division wise details as per 3 (a)</i>	<i>Location wise details as per 3 (b)</i>
<b>1</b>	<b>Plantations</b>				<b>Table No</b>	<b>Annexure</b>
1.1.	Block Plantation (P.O + creation)	1500 ha	0.86336	12.95	1.1.1	III-I
1.2	ANR @200 Plants (P.O + creation)	40000 ha	0.26962	107.85	1.1.2	III-II
1.3	Bald Hill Plantation (P.O + creation)	1000 ha	2.16340	21.63	1.1.3	III-III
1.4	Bamboo 400 Plantation (P.O + creation)	1000 ha	0.48857	4.89	1.1.4	III-IV
1.5	Plantation of Fruit, Fodder (P.O work)	550 ha	0.34376	1.89	1.1.5	III-V
	<b>Sub-total</b>	<b>44050 ha</b>		<b>149.21</b>		
<b>2</b>	<b>Regeneration of Degraded Bamboo</b>	75000 ha	0.02384	17.88	1.2	III-X
<b>3</b>	<b>SMC works in 20 Divisions</b>	6650 ha	0.31000	20.62	1.3	
	<b>Total New Plantation/ Bamboo SSO/ SMC-</b>			<b>187.71</b>		
<b>4</b>	<b>Maintenance of old plantations</b>					
4.1	Block Plantation (2nd year Maintenance)	2000 ha	0.28773	5.76	1.1.6.a	III-VI
4.2	ANR 200 Plants/ha (2nd year Maintenance)	20100 ha	0.07871	15.82	1.1.6.b	III-VII
4.3	Bamboo Plantation 400 Plants (2nd yr Maintenance)	1930 ha	0.20277	3.91	1.1.6.c	III-VIII
4.4	ANR 200 plants/ha (3rd yr maintenance)	85430 ha	0.03339	28.52	1.1.6.e	III-IX
4.5	Bald Hill Plantation (3rd year maintenance)	1000 ha	0.23367	2.34	1.1.6.f	

4.6	Avenue Plantation (2nd year maintenance) (RKM)	76 RKM	0.56494	0.43	1.1.6.d	
4.7	18 month seedling (another 6months) Rs.13.10/seedling	44,12,000 Nos.	0.000131	5.78	1.1.6.g	
	<b>Total Maintenance :</b>			<b>62.56</b>		
<b>5</b>	<b>Protection</b>					
<b>(I)</b>	<b>Forest Protection</b>				1.4.1	
5.1	Forest Protection Squads	32		6.16		
5.2	Coordination Cell at Forest Division Offices	37	6.64	2.46		
5.3	Coordination Cell at Forest Circle Offices	8	6.64	0.53		
5.4	Coordination cell at Forest Hqrs.	1	14.71	0.147		
	<b>Sub- Total Forest Protection :</b>			<b>9.297</b>		
<b>(II)</b>	<b>Fire Protection</b>				1.4.2	
5.5	Fire Protection Squad (Nos)	216	4.47	9.66		
5.6	Transportation for Squad	216	2.10	4.53		
5.7	Creation & Maintenance of fireline (KM)	<i>19500</i>	<i>0.0298</i>	<i>5.81</i>		
5.8	<i>Logistics &amp; contingency for squads</i>	216	0.85	1.84		
	<b>Sub total Fire Protection</b>			<i>21.84</i>		
<b>(III)</b>	<b>Involvement of VSS in Forest Protection</b>	L.S	L.S	<i>10.00</i>		
	<b>Total Protection-</b>			<b><i>41.137 or 41.14</i></b>		
<b>6</b>	<b>Wild Life Management</b>					
6.1	Protection Activities like antidepradation,Wl Trekkers, Coordination cells, fencing etc.	<i>LS</i>		49.32	1.6.1	III-XII, XIV
6.2	Fire Protection Activities in WL Divisions	<i>LS</i>		6.47	1.6.2	III-XIII
6.3	Voluntary relocation of villagers from Protected Areas and Tiger Reserves	<i>LS</i>		10.00	1.6.3	
6.4	Habitat Improvement like water bodies creation, meadow development, salt licks, immunization, Black buck conservation, etc	<i>LS</i>		18.61	1.6.4	III-XV
6.5	SMC Works in Wildlife habitats	<i>LS</i>		6.42	1.6.5	III-XVI
6.6	Establishment, Operation of animal rescue center and veterinary treatment facilities for Wild animals	<i>LS</i>		9.50	1.6.6	III-XVII

6.7	Supply of wood-saving cooking appliances and other forest produce saving devices in forest fringe villages	LS		0.50	1.6.7	III-XVIII
6.8	Management of biological diversity and biological resources	LS		0.25	1.6.8	
	<b>Total Wildlife Management</b>			<b>101.07</b>		
<b>7</b>	<b>Ama Jangala Yojana</b>				<b>1.5.1</b>	<b>III-XI</b>
7.1	Preparation of Micro-Plan , Capacity Building, Publication and communication	580 VSS	L.S	3.49		
7.2	ANR without gap(0 <sup>th</sup> year)	65,500 ha	0.03032	19.86		
7.3	ANR without gap (1 <sup>st</sup> year)	27,000 ha	0.12518	33.80		
7.4	ANR without gap (2 <sup>nd</sup> year)	27,000 ha	0.03974	10.73		
7.5	ANR without gap (3 <sup>rd</sup> year)	27,700 ha	0.01292	03.58		
7.6	Block plantation (4 <sup>th</sup> year)	1010 ha	0.05364	0.54		
	Total Ama Jangala Yojana			72.00		
	<b>TOTAL (80% Activities)</b>			<b>464.48</b>		
<b>20% activities</b>						
<b>8</b>	<b>Infrastructure Development</b>					
(I)	<b>Infrastructure for Forest</b>					
8.1	Maintenance of Mega Nursery/Permanent Nursery	39	3.98	1.55	1.7.1	
8.2	Construction of Range Office	25	19.38	4.85	1.7.2	
8.3	Range Officer's Residence	35	14.54	5.08	1.7.2	
8.4	Forester Quarters	100	11.19	11.19	1.7.2	
8.5	Forest Guard Quarters	200	8.12	16.24	1.7.2	
8.6	Seizure Yard	2	12.00	0.24	1.7.2	
8.7	Construction, Up-gradation and maintenance of Forest Road (KM)	1000	0.69	6.90	1.7.2	
8.8	Culvert	32	1.53	0.49	1.7.2	
8.9	Cause Way	61	1.06	0.65	1.7.2	
8.10	Boundary Wall (Rmtr.)	15000	0.05	7.50	1.7.2	
8.11	Tube well	132	1.00	1.32	1.7.2	
	<b>Sub Total</b>			<b>56.01</b>		
(II)	<b>Infrastructure for Wildlife</b>					
8.12	Strengthening of Communication	LS		5.25	1.6.9	

	facilities for Protection of Wildlife					
8.13	Infrastructure Development like barracks, floating jetty, road maintenance	LS		10.93	1.6.10	
	Sub Total			16.18		
	<b>TOTAL INFRASTRUCTURE DEVELOPMENT</b>			<b>72.19</b>		
<b>9</b>	<b>Research</b>					
9.1	Silvi BBSR	LS		1.20	1.8	
9.2	Silvi Rayagada	LS		1.00		
9.3	Research in WL Habitats & Biodiversity			01.50	1.6.11	
	<b>TOTAL RESEARCH</b>			<b>03.70</b>		
<b>10</b>	<b>Training in Training Schools and College</b>				<b>1.8</b>	
10.1	FRC Angul	LS		1.00		
10.1	FTS, G.Udayagiri	LS		1.00		
10.2	FTS, Champua	LS		1.00		
10.3	FTS, Ghatikia	LS		1.00		
	<b>TOTAL</b>			<b>4.00</b>		
<b>11</b>	<b>Capacity Building</b>					
11.1	Capacity Building of frontline staff	LS		1.00		
11.2	Awareness, capacity building in WL Management	LS		0.75	1.6.12	
	<b>TOTAL CAPACITY BUILDING</b>			<b>1.75</b>		
<b>12</b>	<b>Forest IT &amp; Geomatics</b>					
	Upgradation of Forest IT, Digitization of forest boundaries etc.	LS		<b>20.00</b>		
<b>13</b>	<b>Monitoring &amp; Evaluation</b>					
13.1	e-Green Watch, CAMPA Trekker, monitoring, Data management and analysis, third party monitoring, financial monitoring, etc	LS		<b>05.00</b>		
13.2	Monitoring & Evaluation for WL Management	LS		<b>0.50</b>		
	<b>TOTAL MONITORING &amp; EVALUATION</b>			<b>5.50</b>		
	<b>TOTAL NPV (20%)</b>			<b>107.14</b>		
	<b>TOTAL NPV (80% + 20%)</b>			<b>571.62</b>		

## Utilization of Interest Money under 60% Activities

<i>Sl no</i>	<i>Activity</i>	<i>Phy. Target</i>	<i>Unit Cost (@ Rs.298/day)</i>	<i>Financial Outlay (Rs. In Cr)</i>	<i>Divisionwise details as per 3 (a)</i>	<i>Locationwise details as per 3 (b)</i>
1	Orchidarium	1 site		0.30	2.1.1	Table 2.1.1
2	Sowing of bamboo seeds	1030 ha.	0.02396	0.25	2.1.5	Table 2.1.5
3	Miyawaki Plantation	3.5 Ha.	37.16688	1.30	2.1.2	Table 2.1.2
4	Raising of Root Trainer seedlings (300 CC=75000 nos., 500cc = 75000 nos.)	11 nos	20.00	2.20	2.1.6	
5	Protection and Conservation of Pure Strand & RET Species	85 ha. @ 200 plant/ Ha.	0.43594	2.37	2.1.3	
		799 ha. without plantation	0.25112		2.1.3	
6	Raising of 18 months old seedlings for 2021-22 plantation(outlay for 12 months under APO 2020-21)	2Cr	0.0001832	36.64	2.1.4	
7	Raising of 6 months old seedlings for distribution during 2020-21	1 Cr	0.000131	13.10	2.1.4	
8	Para Protection Squad (Nos.)	195	14.52	28.31	2.1.7	
9	Strengthening of Range Offices where Govt vehicle exist	70 No.	3.37	2.36	2.1.8	
10	Strengthening of Range Offices where there is no vehicle	219 No.	4.92	10.77	2.1.8	
11	Offsetting of the escalated expenditure due to wage rate enhancement	LS	LS	3.00		
	<b>Total 60% -</b>			<b>100.61</b>		
<b>40% activities</b>						
1	Construction of State Capacity Building Centre	LS	LS	15.00		
2	Expenses of State Authority	LS	LS	5.00		
	<b>Total 40% -</b>			<b>20.00</b>		
	<b>Total Interest (60% + 40%)</b>			<b>120.60</b>		
	<b>TOTAL (NPV + Interest)</b>			<b>692.22</b>		

## **1. ACTIVITIES PROPOSED UNDER NPV OF APO 2020-21**

- 1.1 Plantations**
- 1.2 Subsidiary Silvicultural Operations of Bamboo**
- 1.3 Soil and Moisture Conservation Measures**
- 1.4 Forest Protection Activities including protection from fire**
- 1.5 Wildlife Protection and Management**
- 1.6 Ama Jungle Yojana**
- 1.7 Infrastructure Development**
- 1.8 Research & Development**
- 1.9 Training & Capacity Building**
- 1.10 Forest IT & Geomatics**

### **1.1 PLANTATIONS**

Odisha is one of the State showing increase in the forest cover. To further strengthening the greening effect, plantation programmes are being given a major thrust in this Plan. Efforts are also being made to involve people as partners in greening Odisha. Different modes of plantation activities have been incorporated in the Plan like Block, RDF, Bald hill plantations, fodder & fruit bearing plantations, Bamboo plantations, etc. The physical and financial details of the different new plantation activities to be taken up in APO 20-21 are given in the following paragraphs:

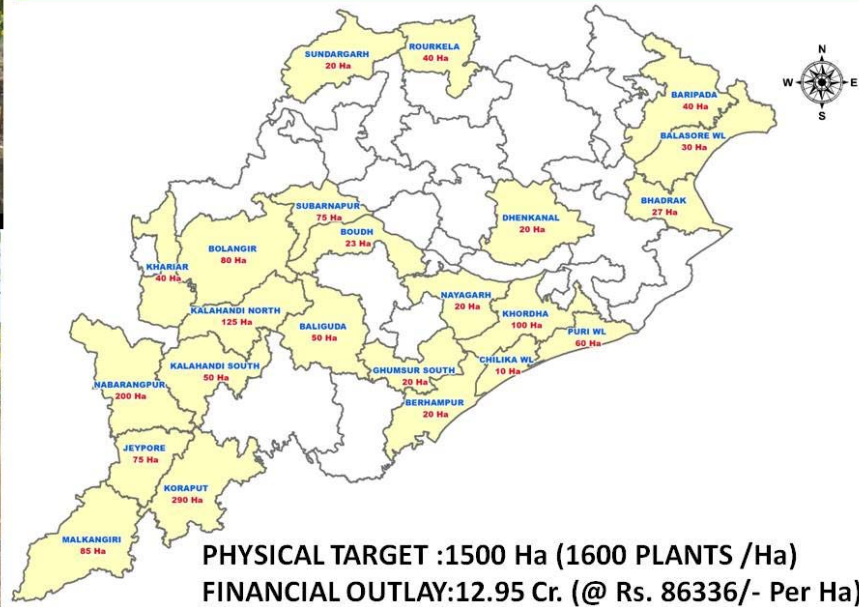
#### **1.1.1 Artificial Regeneration (Block plantation)**

Efforts are being made in this APO to green the gaps created in the forest blocks due to several factors fire, biotic interference, grazing, encroachment, etc. The block plantations are taken up wherever feasible and more focus is given to the plantation of the indigenous species.

In the APO 2020-21, the plantation programme on artificial regeneration mode@1600 plants per ha over 1500 Ha has been proposed @ Rs 86336/-per Ha cost norm in first year with financial outlay of Rs.1295.04 lakh. Part of preliminary operation and nursery activities are done in the financial year 2019-20. The details of Division wise target and financial outlay with cost norm have been given in the following **Table:1.1.1**. The location wise details are annexed in **Annexure – III-I**



## DETAILS OF AR PLANTATION PROPOSAL IN APO 2020-21



**Table 1.1.1 DETAILS OF BLOCK PLANTATION (AR) IN DIFFERENT DIVISIONS IN APO 2020-21**

Circle	Name of the Division	Target in Ha. (1600 plnt./Ha.)	Cost Outlay @Rs.86336/-Ha. (PO+1st yr.) (Rs. in lakh)
Angul	Dhenkanal	20	17.27
	<b>Total-</b>	<b>20</b>	<b>17.27</b>
BBSR	Khurda	100	86.34
	Puri WL	60	51.80
	Nayagarh	20	17.27
	Chilika WL	10	8.63
	Bhadrakh WL	27	23.31
	<b>Total-</b>	<b>217</b>	<b>187.35</b>
Berhampur	Baliguda	50	43.17
	Boudh	23	19.86
	Gh.South	20	17.27
	Berhampur	20	17.27
	<b>Total-</b>	<b>113</b>	<b>97.56</b>
Rourkela	Sundargarh	20	17.27
	Rourkela	40	34.53
	Bonai	0	0.00
	Deogarh	0	0.00
	Keonjhar	0	0.00
	<b>Total-</b>	<b>60</b>	<b>51.80</b>



<b>Baripada</b>	Baripada	40	34.53
	Balasure WL	30	25.90
	<b>Total-</b>	<b>70</b>	<b>60.44</b>
<b>Bhawanipatna</b>	Kalahandi( N)	125	107.92
	Kalahandi (S)	50	43.17
	Subarnapur	75	64.75
	Bolangir	80	69.07
	Khariar	40	34.53
	<b>Total-</b>	<b>370</b>	<b>319.44</b>
<b>Koraput</b>	Koraput	290	250.37
	Jeypore	75	64.75
	Nowrangpur	200	172.67
	Malkangiri	85	73.39
	<b>Total-</b>	<b>650</b>	<b>561.18</b>
	<b>Grand Total-</b>	<b>1500</b>	<b>1295.04</b>



### 1.1.2 Aided Natural Regeneration (ANR)

ANR plantations are resorted to in the forest areas where there are gaps and the silvicultural interventions are required to enhance the density of the forest areas. The natural forest blocks which are included in Rehabilitation working circle as per working plan prescription are taken for ANR interventions. The interventions are focused are allowing the root stock to grow, enhancing the natural regeneration. It is aimed to strengthen the resilience of natural forest.

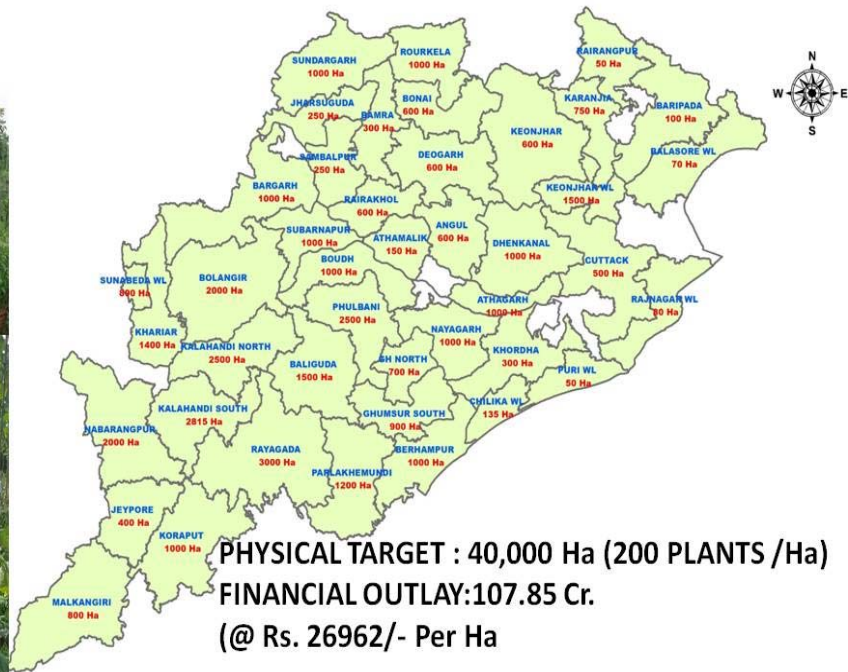
In APO 2020-21 plan period ANR activities over 40000 ha with gap planting @ 200 per ha @ Rs26962/- per ha has been proposed with financial outlay of Rs10784.8

lakh. The details of Division wise physical target and financial outlay are given in the following **Table-1.1.2** and the location details are in **Annexure- III-II**

<b>Table 1.1.2 DETAILS OF ANR IN DIFFERENT DIVISIONS IN APO 2020-21</b>			
<b>Circle</b>	<b>Name of the Division</b>	<b>Target in ha. (200 plant./Ha.)</b>	<b>Cost Outlay @Rs.26962 (PO+1st yr.) 200 plants/ha. (Rs. in lakh)</b>
<b>Angul</b>	Angul	600	161.77
	Athmallik	150	40.44
	Dhenkanal	1000	269.62
	Athgarh	1000	269.62
	Cuttack	500	134.81
	<b>Total-</b>	<b>3250</b>	<b>876.27</b>
<b>BBSR</b>	Khurda	300	80.89
	Puri WL	50	13.48
	Rajnagar WL	80	21.57
	Nayagarh	1000	269.62
	Chilika WL	135	36.40
	<b>Total-</b>	<b>1565</b>	<b>421.96</b>
<b>Berhampur</b>	Phulbani	2500	674.05
	Baliguda	1500	404.43
	Boudh	1000	269.62
	Gh.South	900	242.66
	Gh.North	700	188.73
	Berhampur	1000	269.62
	Parlakhemundi	1200	323.54
	<b>Total-</b>	<b>8800</b>	<b>2372.66</b>
<b>Sambalpur</b>	Jharsuguda	250	67.41
	Sambalpur	250	67.41
	Rairakhol	600	161.77
	Bargarh	1000	269.62
	Bamara WL	300	80.89
	<b>Total-</b>	<b>2400</b>	<b>647.09</b>
<b>Rourkela</b>	Sundargarh	1000	269.62
	Rourkela	1000	269.62
	Bonai	600	161.77
	Deogarh	600	161.77
	Keonjhar	600	161.77
	<b>Total-</b>	<b>3800</b>	<b>1024.56</b>
<b>Bari pada</b>	Baripada	100	26.96
	Karanja	750	202.22

	Rairangpur	50	13.48
	Balasore WL	70	18.87
	Keonjhar WL	1500	404.43
	<b>Total-</b>	<b>2470</b>	<b>665.96</b>
<b>Bhawaniapatna</b>	Kalahandi( N)	2500	674.05
	Kalahandi (S)	2815	758.98
	Subarnapur	1000	269.62
	Bolangir	2000	539.24
	Khariar	1400	377.47
	Sunabeda WL	800	215.70
	<b>Total-</b>	<b>10515</b>	<b>2835.05</b>
<b>Koraput</b>	Rayagada	3000	808.86
	Koraput	1000	269.62
	Jeypore	400	107.85
	Nowrangpur	2000	539.24
	Malkangiri	800	215.70
	<b>Total-</b>	<b>7200</b>	<b>1941.26</b>
	<b>Grand Total-</b>	<b>40000</b>	<b>10784.80</b>

### DETAILS OF ANR PLANTATION PROPOSAL IN APO 2020-21





### **1.1.3 BALD HILL PLANTATION**

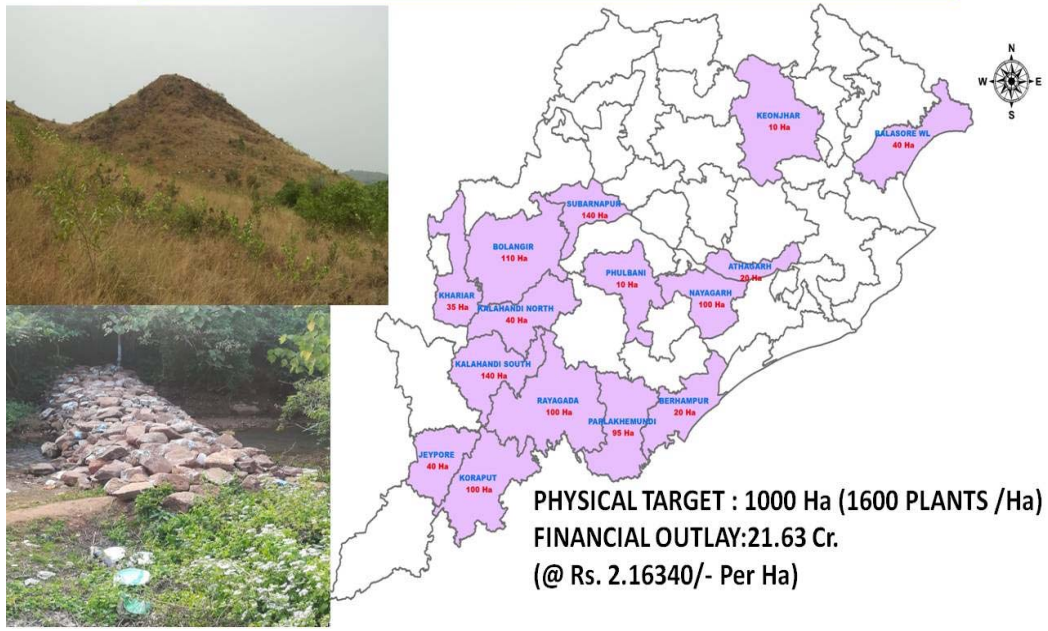
In Odisha many forest block has become bald due to various interference and anthropogenic factors. It has been decided under CAMPA embark on massive bald hill plantations by adopting special techniques for restoration of green cover in open/shrub forests of different Forest Divisions . Intensive soil and moisture conservations to enhance moisture regime and infusing foreign earth in the pits during planting of seedling and Three tier fencing(two tier green plant fencing and one dry fencing) of the plantations to safe guard from biotic interference.

In APO 2020-21 ,bald hill plantation programme over 1000 ha @ 1600 plants per ha with financial outlay of Rs 2163.40 lakh @ Rs 2,16340/- per ha has been proposed. The details of Division wise physical target and financial outlays are given in the following **Table-1.1.3** and the location wise details have been reflected in **Annexure-III-III**

**Table 1.1.3 DETAILS OF BALD HILL PLANTATIONS IN DIFFERENT DIVISIONS**

<b>Circle</b>	<b>Name of the Division</b>	<b>Target in ha. (1600 plants/Ha.)</b>	<b>Cost Outlay @Rs.216340 /Ha. (PO+1st yr.) (Rs. in lakh)</b>
<b>Angul</b>	Athgarh	20	43.27
	<b>Total-</b>	<b>20</b>	<b>43.268</b>
<b>BBSR</b>	Nayagarh	100	216.34
	<b>Total-</b>	<b>100</b>	<b>216.34</b>
<b>Berhampur</b>	Phulbani	10	21.63
	Berhampur	20	43.27
	Parlakhemundi	95	205.52
	<b>Total-</b>	<b>125</b>	<b>270.43</b>
<b>Rourkela</b>	Keonjhar	10	21.63
	<b>Total-</b>	<b>10</b>	<b>21.63</b>
<b>Baripada</b>	Balasore WL	40	86.54
	<b>Total-</b>	<b>40</b>	<b>86.54</b>
<b>Bhawanipatna</b>	Kalahandi( N)	40	86.54
	Kalahandi (S)	140	302.88
	Subarnapur	140	302.88
	Bolangir	110	237.97
	Khariar	35	75.72
	<b>Total-</b>	<b>465</b>	<b>1005.98</b>
<b>Koraput</b>	Rayagada	100	216.34
	Koraput	100	216.34
	Jeypore	40	86.54
	<b>Total-</b>	<b>240</b>	<b>519.22</b>
	<b>Grand Total-</b>	<b>1000</b>	<b>2163.40</b>

## DETAILS OF BALD HILL PLANTATION PROPOSAL IN APO 2020-21



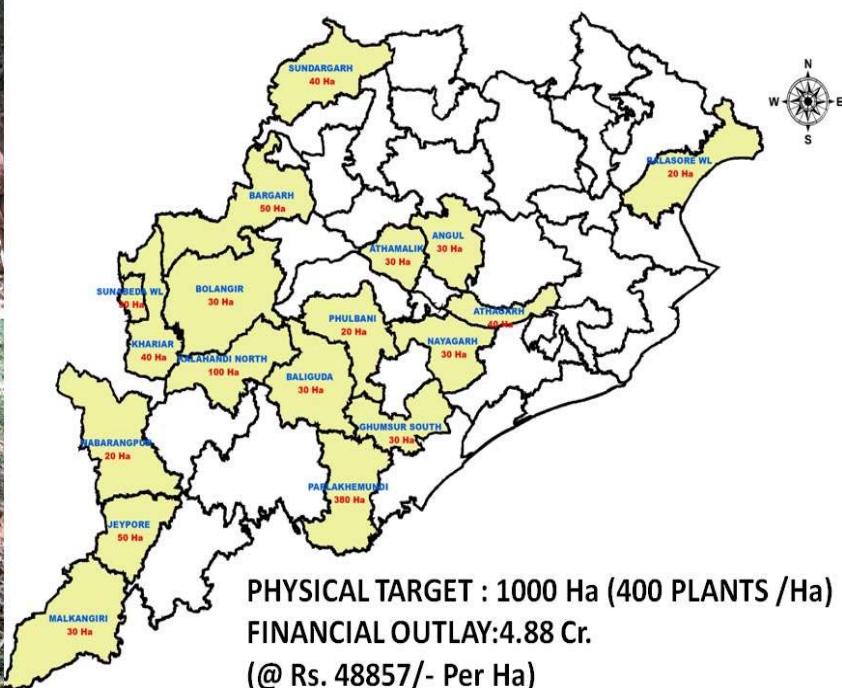
### 1.1.4 BAMBOO PLANTATION

Bamboo is considered to be as “poor man timber”. Bamboo is a versatile, strong, renewable as well as environment friendly material and a fast growing woody plant. Bamboo plantation requires hot to warm temperate climate for better growth. The gestation period of bamboo is 4-5 years. Bamboo forest exists in many forest Divisions of Odisha mixed with other forest growth. The treatment of Bamboo is carried out as per the working plan prescription.

In APO 2020-21, the proposals of Bamboo plantation in Bamboo working circles of different Divisions has been taken up as per working plan prescription. Over 1000 ha of Bamboo plantation@400 plants per ha has been proposed in this APO with financial outlay of Rs 488.57 lakh @ Rs 48857/- per ha. The Division wise physical target and financial outlay are given in the following **Table-1.1.4** and the location wise details are given in the in **Annexure-III-IV**

**Table 1.1.4. DETAILS OF BAMBOO PLANTATION IN DIFFERENT DIVISIONS**

Circle	Name of the Division	Target in Ha. (400 plants/Ha.)	Cost Outlay @Rs.48857/-Ha. (Rs. in lakh)
Angul	Angul	30	14.66
	Athmallik	30	14.66
	Athgarh	40	19.54
	<b>Total-</b>	<b>100</b>	<b>48.86</b>
BBSR	Nayagarh	30	14.66
	<b>Total-</b>	<b>30</b>	<b>14.66</b>
Berhampur	Phulbani	20	9.77
	Baliguda	30	14.66
	Gh.North	30	14.66
	Parlakhemundi	380	185.66
	<b>Total-</b>	<b>460</b>	<b>224.74</b>
SBP	Bargarh	50	24.43
	<b>Total-</b>	<b>50</b>	<b>24.43</b>
Rourkela	Sundargarh	40	19.54
	<b>Total-</b>	<b>40</b>	<b>19.54</b>
Baripada	Balasore WL	20	9.77
	<b>Total-</b>	<b>20</b>	<b>9.77</b>
Bhawanipatna	Kalahandi( N)	100	48.86
	Bolangir	30	14.66
	Khariar	40	19.54
	Sunabeda WL	30	14.66
	<b>Total-</b>	<b>200</b>	<b>97.71</b>
KORAPUT	Jeypore	50	24.43
	Nowrangpur	20	9.77
	Malkangiri	30	14.66
	<b>Total-</b>	<b>100</b>	<b>48.86</b>
	<b>Grand Total-</b>	<b>1000</b>	<b>488.57</b>



### 1.1.5 FODDER & FRUIT BEARING PLANTATION

To promote the wildlife conservation, reduce the man animal conflict, it has been proposed to carry out fodder and fruit bearing species plantation in the forest areas, especially where there is interface between the wildlife and humane. This is also one of the major mandate of Government of India.

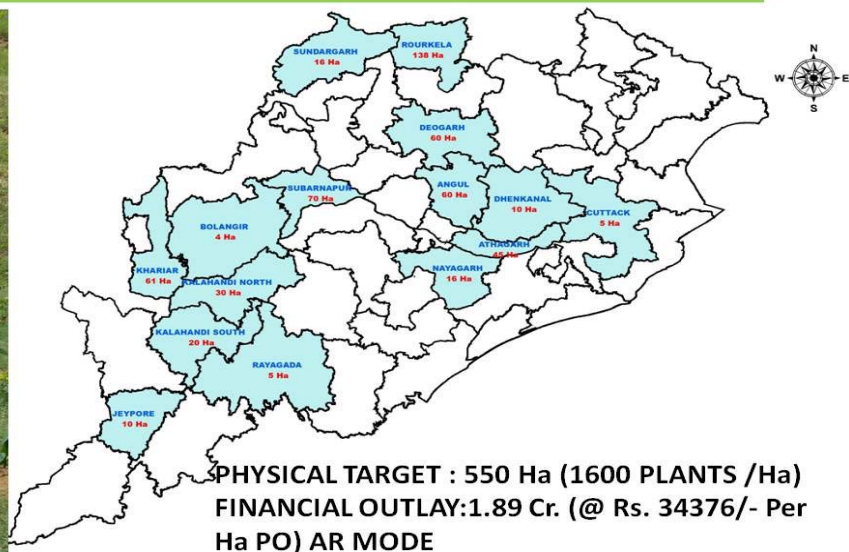
An area of 550 ha with financial outlay of Rs189.068 lakh has been taken up for fodder and fruit bearing plantations in different Divisions. The physical and financial targets are given in the following **Table-1.1.5** and the location details are given in the **Annexure- III-V**. In the current financial year preliminary operations like site preparation, nursery development will be taken up.

Circle	Division	Phy.	Fin. (Rs. in lakh)
Angul	Angul	60	20.63
	Dhenkanal	10	3.44
	Athgarh	45	15.47
	Cuttack	5	1.72
	<b>Total-</b>	<b>120</b>	<b>41.25</b>



<b>BBSR</b>	Nayagarh	16	5.50
	<b>Total-</b>	<b>16</b>	<b>5.50</b>
<b>Rourkela</b>	Sundargarh	16	5.50
	Rourkela	138	47.44
	Bonai	60	20.63
	<b>Total-</b>	<b>214</b>	<b>73.56</b>
<b>Bhawanipatna</b>	Kalahandi( N)	30	10.31
	Kalahandi (S)	20	6.88
	Subarnapur	70	24.06
	Bolangir	4	1.38
	Khariar	61	20.97
	<b>Total-</b>	<b>185</b>	<b>63.60</b>
<b>Koraput</b>	Rayagada	5	1.72
	Jeypore	10	3.44
	<b>Total-</b>	<b>15</b>	<b>5.16</b>
	<b>Grand Total-</b>	<b>550</b>	<b>189.07</b>

#### DETAILS OF FODDER & FRUIT BEARING PLANTATION PROPOSAL IN APO 2020-21



### 1.1.6 Maintenance of Plantations-

#### a. 2<sup>nd</sup> year maintenance of Block (AR) plantation:-

In Plantation programme maintenance of plantation in subsequent years is very important. Various time bound cultural operations are required to meet very purpose of its success. Hence, in APO 2020-21, 2000 ha of last year plantation has been proposed for

maintenance @ Rs 28773/- per ha having total financial outlay of Rs 575.46 lakhs. Divisionwise details of the physical and financial targets are given in the following **Table-1.1.6.a**. And the location wise details are placed in the **Annexure- III-VI**

<b>Table 1.1.6.a DIVISION WISE DETAILS OF 2<sup>ND</sup> YEAR MAINTENANCE WORKS OF AR PLANTATION</b>			
<b>Name of Circle</b>	<b>Name of Division</b>	<b>Target in ha.</b>	<b>Cost Outlay @ Rs. 0.28773 lakh/ha.</b>
<b>Angul</b>	Dhenkanal	100	28.77
	Cuttack	70	20.14
	<b>TOTAL</b>	<b>170</b>	<b>48.91</b>
<b>Bhubaneswar</b>	Khurda	100	28.77
	Nayagarh	90	25.90
	Puri WL	20	5.75
	<b>TOTAL</b>	<b>210</b>	<b>60.42</b>
<b>Berhampur</b>	Baliguda	20	5.75
	Boudh	100	28.77
	Gh.South	100	28.77
	Berhampur	30	8.63
	<b>TOTAL</b>	<b>250</b>	<b>71.93</b>
<b>Sambalpur</b>	Jharsuguda	50	14.39
	Bargarh	55	15.83
	<b>TOTAL</b>	<b>105</b>	<b>30.21</b>
<b>Rourkela</b>	Sundargarh	100	28.77
	Rourkela	30	8.63
	Bonai	40	11.51
	Deogarh	100	28.77
	<b>TOTAL</b>	<b>270</b>	<b>77.69</b>
<b>Baripada</b>	Baripada	50	14.39
	Karanjia	100	28.77
	<b>TOTAL</b>	<b>150</b>	<b>43.16</b>
<b>Bhawanipatna</b>	Kalahandi( N)	45	12.95
	Kalahandi (S)	100	28.77
	Subarnapur	100	28.77
	Bolangir	100	28.77
	Khariar	100	28.77
	<b>TOTAL</b>	<b>445</b>	<b>128.04</b>
<b>Koraput</b>	Koraput	100	28.77
	Jeypore	100	28.77
	Nabarangpur	100	28.77
	Malkangiri	100	28.77
	<b>TOTAL</b>	<b>400</b>	<b>115.09</b>
<b>GRAND TOTAL</b>		<b>2000</b>	<b>575.46</b>

**b. 2<sup>nd</sup> year maintenance of (ANR) plantation @ 200 plants:-**

In ANR mode of plantation, it is quit necessary to properly carryout 2<sup>nd</sup> year operation for its better, luxuriant growth. In APO 2020-21, 2nd year maintenance work will be taken up over 20100 ha @ Rs 7871/- per ha having total financial outlay of Rs 1582.07 lakh. Division wise details are given in the following **Table-1.1.6.b** and the location wise details are furnished in the **Annexure-III-VII**

<b>Table 1.1.6.b DETAILS OF 2<sup>ND</sup> YEAR MAINTENANCE OF ANR PLANTATION WORKS</b>			
<b>Name of Circle</b>	<b>Name of Division</b>	<b>Target in ha.</b>	<b>Cost Outlay @Rs. 0.07871 lakh/ha.</b>
<b>Angul</b>	Angul	500	39.36
	Athamalik	50	3.94
	Dhenkanal	500	39.36
	Athagarh	500	39.36
	Cuttack	500	39.36
	<b>TOTAL</b>	<b>2050</b>	<b>161.36</b>
<b>Bhubaneswar</b>	Khurda	500	39.36
	Nayagarh	500	39.36
	Puri WL	400	31.48
	City Forest	0	0.00
	Chillika WL	200	15.74
	<b>TOTAL</b>	<b>1600</b>	<b>125.94</b>
<b>Berhampur</b>	Phulbani	800	62.97
	Baliguda	800	62.97
	Boudh	500	39.36
	Gh North	500	39.36
	Gh South	500	39.36
	Berhampur	500	39.36
	Parlakhemundi	800	62.97
	<b>TOTAL</b>	<b>4400</b>	<b>346.32</b>
<b>Sambalpur</b>	Jharsuguda	500	39.36
	Sambalpur	500	39.36
	Rairakhol	500	39.36
	Bargarh	200	15.74
	Bamara WL	400	31.48
	<b>TOTAL</b>	<b>2100</b>	<b>165.29</b>
<b>Rourkela</b>	Sundargarh	500	39.36
	Rourkela	500	39.36
	Bonai	500	39.36
	Deogarh	500	39.36
	Keonjhar	500	39.36
	<b>TOTAL</b>	<b>2500</b>	<b>196.78</b>

<b>Baripada</b>	Baripada	500	39.36
	Karanja	500	39.36
	Rairangpur	50	3.94
	Keonjhar WL	500	39.36
	<b>TOTAL</b>	<b>1550</b>	<b>122.00</b>
<b>Bhawanipatna</b>	Kalahandi( N)	800	62.97
	Kalahandi (S)	800	62.97
	Subarnapur	500	39.36
	Bolangir	500	39.36
	Khariar	800	62.97
	<b>TOTAL</b>	<b>3400</b>	<b>267.61</b>
<b>Koraput</b>	Rayagada	500	39.36
	Koraput	500	39.36
	Jeypore	500	39.36
	Nabarangpur	500	39.36
	Malkangiri	500	39.36
	<b>TOTAL</b>	<b>2500</b>	<b>196.78</b>
<b>GRAND TOTAL</b>		<b>20100</b>	<b>1582.071</b>

**c. 2<sup>nd</sup> year maintenance of Bamboo plantation @ 400 plants:-**

The success of Bamboo plantation is very difficult, hence all out efforts should be made to properly maintain the plantation and carry out all 2<sup>nd</sup> year activities in timely and sincerely. In APO 2020-21, 1930 ha of 2<sup>nd</sup> year maintenance work has been proposed with total financial outlay of Rs 391.35 lakh. Division wise details of 2<sup>nd</sup> year maintenance works are given in the following **Table-1.1.6.c** and the location wise details are given in the **Annexure- III-VIII**

<b>Table 1.1.6.c DIVISION WISE DETAILS OF 2<sup>ND</sup> YEAR MAINTENANCE OF BAMBOO PLANTATION WORKS</b>			
<b>Name of Circle</b>	<b>Name of Division</b>	<b>Target in ha.</b>	<b>Cost Outlay @Rs. 0.20277 lakh/ha.</b>
<b>Angul</b>	Angul	70	14.19
	Dhenkanal	70	14.19
	Athagarh	70	14.19
	<b>TOTAL</b>	<b>210</b>	<b>42.58</b>
<b>Bhubaneswar</b>	Khurda	0	0.00
	Nayagarh	70	14.19
	<b>TOTAL</b>	<b>70</b>	<b>14.19</b>

<b>Berhampur</b>	Phulbani	70	14.19
	Baliguda	70	14.19
	Boudh	70	14.19
	Gh.South	70	14.19
	Gh.North	70	14.19
	Berhampur	60	12.17
	Parlakhemundi	70	14.19
	<b>TOTAL</b>	<b>480</b>	<b>97.33</b>
<b>Sambalpur</b>	Jharsuguda	60	12.17
	Sambalpur	70	14.19
	Rairakhol	70	14.19
	Bargarh	60	12.17
	Bamara WL	70	14.19
	<b>TOTAL</b>	<b>330</b>	<b>66.91</b>
<b>Rourkela</b>	Sundargarh	70	14.19
	Bonai	70	14.19
	Deogarh	70	14.19
	<b>TOTAL</b>	<b>210</b>	<b>42.58</b>
<b>Bhawanipatna</b>	Kalahandi( N)	70	14.19
	Kalahandi (S)	70	14.19
	Subarnapur	70	14.19
	Bolangir	70	14.19
	Khariar	70	14.19
	<b>TOTAL</b>	<b>350</b>	<b>70.97</b>
<b>Koraput</b>	Rayagada	70	14.19
	Koraput	70	14.19
	Jeypore	70	14.19
	Malkangiri	70	14.19
	<b>TOTAL</b>	<b>280</b>	<b>56.78</b>
<b>GRAND TOTAL</b>		<b>1930</b>	<b>391.35</b>

**d. 2<sup>nd</sup> year maintenance of Avenue plantation :-**

There is a serious risk of biotic interference to the Avenue plantations which has a bearing on the survival. All sorts of care with proper cultural operation are to be ensured to safeguard these plantations. In this APO 76 Rkm 2<sup>nd</sup> year maintenance will be taken up with total financial outlay of Rs. 42.94 lakh @ Rs 56494 /- per RKM. This plantation is raised under Jal Sakthi Abhiyan of Government of India in Kendrapara district of Cuttack Division. Details are given in **Table-1.1.6.d**.

<b>Table 1.1.6.d DETAILS OF 2<sup>ND</sup> YEAR MAINTENANCE OF AVENUE PLANTATION WORKS</b>			
<b>Sl No</b>	<b>Name of Division</b>	<b>Area in ha</b>	<b>Total Cost (Rs. in Lakh)</b>
1	<b>Cuttack</b>	<b>76 RKM</b>	<b>42.93</b>

**e. 3<sup>rd</sup> Year maintenance ANR plantation @ 200 plants per ha**

3<sup>rd</sup> year maintenance of ANR plantation over an area of 85430 ha has been proposed in APO 2020-21 with total financial outlay of Rs. 2835.81 lakh @ Rs 3339/- per ha. Details of Division wise proposal is given in **Table-1.1.6.e** and site wise details are annexed in **Annexure-III-IX**

<b>Table 1.1.6. e DIVISION WISE DETAILS OF 3RD YEAR MAINTENANCE WORKS OF ANR PLANTATION</b>			
<b>Name of Circle</b>	<b>Name of Division</b>	<b>Target in ha.</b>	<b>Cost Outlay @Rs. 0.03339 lakh/ha. (Rs. in Lakh)</b>
<b>Angul</b>	Angul	1500	50.09
	Athamalik	500	16.70
	Dhenkanal	3000	100.17
	Athagarh	1925	65.11
	Cuttack	1950	58.43
	<b>TOTAL</b>	<b>8875</b>	<b>290.49</b>
<b>Bhubaneswar</b>	Khurda	1000	33.39
	Nayagarh	4720	157.60
	Rajnagar WL	390	13.02
	Chillika WL	200	6.68
	<b>TOTAL</b>	<b>6310</b>	<b>210.69</b>
<b>Berhampur</b>	Phulbani	5000	166.95
	Baliguda	4000	133.56
	Boudh	1500	50.09
	Gh.South	1430	47.75
	Gh.North	940	31.39
	Berhampur	1650	45.08
	Parlakhemundi	3000	100.17
	<b>TOTAL</b>	<b>17520</b>	<b>574.98</b>
<b>Sambalpur</b>	Jharsuguda	1000	33.39
	Sambalpur	2500	83.48
	Rairakhol	1500	50.09
	Bargarh	2000	66.78
	Bamara WL	1000	33.39
	<b>TOTAL</b>	<b>8000</b>	<b>267.12</b>

<b>Rourkela</b>	Sundargarh	5000	166.95
	Rourkela	2500	83.48
	Bonai	500	16.70
	Deogarh	600	20.03
	Keonjhar	700	23.37
	<b>TOTAL</b>	<b>9300</b>	<b>310.53</b>
<b>Baripada</b>	Baripada	1000	33.39
	Karanjia	500	16.70
	Rairangpur	500	16.70
	Keonjhar WL	1500	50.09
	<b>TOTAL</b>	<b>3500</b>	<b>116.87</b>
<b>Bhawanipatna</b>	Kalahandi( N)	5000	166.95
	Kalahandi (S)	4000	133.56
	Subarnapur	2000	66.78
	Bolangir	4000	133.56
	Khariar	3000	100.17
	<b>TOTAL</b>	<b>18000</b>	<b>601.02</b>
<b>Koraput</b>	Rayagada	5000	166.95
	Koraput	2000	66.78
	Jeypore	400	13.36
	Malkangiri	500	16.70
	Nabarangpur	6000	200.34
	<b>TOTAL</b>	<b>13900</b>	<b>464.12</b>
<b>GRAND TOTAL</b>		<b>85405</b>	<b>2835.81</b>

f. 3<sup>rd</sup> Year maintenance Bald Hill Plantation

3<sup>rd</sup> year maintenance of bald hill plantation over an area of 1000 ha has been proposed in APO 2020-21 with a total financial outlay of Rs 233.67 lakh @ Rs23367/- per ha. Division wise details are given below in the **Table-1.1.6.f**

<b>Table 1.1.6.f DIVISIONWISE DETAILS OF 3<sup>RD</sup> YEAR MAINTENANCE OF BALD HILL PLANTATION</b>			
<b>Sl. No.</b>	<b>Name of Division</b>	<b>Area in ha</b>	<b>Total Cost</b>
			<b>(Rs. in Lakh)</b>
1	Cuttack	100	23.37
2	Berhampur	75	17.53
3	Khurda	50	11.68
4	Rourkela	75	17.53
5	Jeypore	25	5.84
6	Kalahandi North	75	17.53
7	KalahandiSouth	50	11.68

8	Khariar	75	17.53
9	Blangir	75	17.53
10	Baripada	50	11.68
11	Nayagarh	50	11.68
12	Gh. South	50	11.68
13	Subarnapur	75	17.53
14	Koraput	100	23.37
15	Sundargarh	75	17.53
<b>TOTAL</b>		<b>1000</b>	<b>233.67</b>

**g. Maintenance of 18 month old seedling**

During APO 2019-20 , 48,50,000 seedlings of 18 month old were raised different nurseries of various Divisions. In the APO 19-20, 12 months cost has been covered and balance 6 months cost would be made in APO 20-21. @ Rs.13.10 per seedling. Division wise details are given in the following Table-1.1.6.g.

<b>Table 1.1.6.g DIVISIONWISE DETAILS OF MAINTENANCE OF SEEDLINGS</b>			
<b>Sl No.</b>	<b>Name of Division</b>	<b>Balance 6 months seedling @ Rs.13.10/ seedling</b>	
		<b>Phy.</b>	<b>Fin Rs in Lakhs</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Angul	100000	13.10
2	Athmallik	100000	13.10
3	Dhenkanal	0	0
4	Athagarh	200000	26.20
5	Cuttack	162000	21.22
6	<b>TOTAL</b>	<b>562000</b>	<b>73.62</b>
7	Khurda	200000	26.20
8	Puri WL	0	0
9	Nayagarh	100000	13.10
10	Chilika WL	50000	6.55
11	Chandaka WL	100000	13.10
12	City Forests	0	0
13	Bhadrak WL	150000	19.65
14	<b>TOTAL</b>	<b>600000</b>	<b>78.60</b>
15	Phulbani	100000	13.10
16	Baliguda	100000	13.10
17	Boudh	100000	13.10
18	Gh.South	100000	13.10
19	Gh.North	100000	13.10
20	Berhampur	100000	13.10
21	Parlakhemundi	100000	13.10
22	<b>TOTAL</b>	<b>700000</b>	<b>91.70</b>



23	Jharsuguda	100000	13.10
24	Sambalpur	100000	13.10
25	Rairakhol	100000	13.10
26	Bargarh	100000	13.10
27	<b>TOTAL</b>	<b>400000</b>	<b>52.40</b>
28	Sundargarh	100000	13.10
29	Rourkela	100000	13.10
30	Bonai	100000	13.10
31	Deogarh	100000	13.10
32	Keonjhar	100000	13.10
33	<b>TOTAL</b>	<b>500000</b>	<b>65.50</b>
34	Baripada	100000	13.10
35	Karanjia	100000	13.10
36	Rairangpur	100000	13.10
37	Balesore WL	150000	19.65
38	<b>TOTAL</b>	<b>450000</b>	<b>58.95</b>
39	Kalahandi( N)	100000	13.10
40	Kalahandi (S)	100000	13.10
41	Subarnapur	100000	13.10
42	Bolangir	100000	13.10
43	Khariar	100000	13.10
44	<b>TOTAL</b>	<b>500000</b>	<b>65.50</b>
45	Rayagada	100000	13.10
46	Koraput	100000	13.10
47	Jeypore	100000	13.10
48	Nabarangpur	100000	13.10
49	Malkangiri	100000	13.10
50	<b>TOTAL</b>	<b>500000</b>	<b>65.50</b>
51	<b>Silvi BBSR</b>	<b>100000</b>	13.10
52	<b>Silvi Rayagada</b>	<b>100000</b>	13.10
53	<b>G.TOTAL-</b>	<b>4412000</b>	<b>577.97</b>



## 1.2 SUBSIDIARY SILVICULTURAL OPERATION OF BAMBOO

Bamboo is very good timber for poor peoples of Odisha. The bamboo in Odisha grows in forest floor as mixed vegetation along with sal, teak and other mixed forest cover. Major portion of *Dendrocalamus* species are available along with *Bambusa bambos* in the forest floor. The basic principle of bamboo forest management centers to growth behaviour of individual culms. New culms originate from the rhizomes of previous year culms. Rhizomes of old culms of 2-3 years old have poor production capacity. All culms require harvesting after 3-4 years. Retention of old culms creates congestion, diseases & pests in bamboo forest which damages the bamboo growth. Hence treatment of bamboo culms is main motto of bamboo forest management. In Odisha bamboo forests are worked out as per working plan prescription of the concerned Divisions.

In all the clumps due for treatment, several activities are done like cutting back of high stumps, cutting and removal of side branches and removal of cleaning material from the treatment area so as to reduce fire hazard, Earth mounding to the base of the clump with soil scooped out from uphill side, Stacking of boulders, wherever they are available, on the downhill side close to the clump which will help in stabilization of the soil and protect it from erosion.

It is proposed to take up 75000 ha of bamboo silvicultural operations in C & D types of coupe under APO 2020-21 as per the Working Plan prescription. The cost norms @Rs 2384/- per ha. The total financial outlay for Bamboo SSO is Rs.1788 lakh. The division wise physical and financial target are detailed in **Table** and the site wise details are placed at **Annexure- III-X**

<b>Table 1.2 DIVISIONWISE DETAILS OF SSO BAMBOO</b>			
<b>Name of Circle</b>	<b>Name of Division</b>	<b>Target in ha</b>	<b>Cost Outlay @ Rs.0.02384/ha</b>
Angul	Angul	600	14.30
	Athamalik	800	19.07
	Athagarh	1150	27.42
	Dhenkanal	600	14.30
	<b>TOTAL</b>	<b>3150</b>	<b>75.10</b>
Bhubaneswar	Khurda	2000	47.68
	Nayagarh	3575	85.23
	<b>TOTAL</b>	<b>5575</b>	<b>132.91</b>
Berhampur	Phulbani	5490	130.88
	Baliguda	4000	95.36
	Boudh	4500	107.28
	Gh.South	4175	99.53
	Gh.North	3225	76.88
	Berhampur	850	20.26
	Parlakhemundi	5300	126.35
	<b>TOTAL</b>	<b>27540</b>	<b>656.55</b>
Sambalpur	Jharsuguda	150	3.58
	Sambalpur	1000	23.84
	Rairakhola	1100	26.22
	Bargarh	2250	53.64
	Bamara WL	1750	41.72
	<b>TOTAL</b>	<b>6250</b>	<b>149.00</b>
Rourkela	Sundargarh	900	21.46
	Rourkela	400	9.54
	Bonai	4500	107.28
	Deogarh	685	16.33
	<b>TOTAL</b>	<b>6485</b>	<b>154.60</b>
Bhawanipatna	Kalahandi( N)	4500	107.28
	Kalahandi (S)	350	8.34
	Bolangir	1500	35.76
	Khariar	750	17.88
	<b>TOTAL</b>	<b>7100</b>	<b>169.26</b>
Koraput	Rayagada	7500	178.80
	Koraput	1800	42.91
	Jeypore	2400	33.38
	Malkangiri	7200	171.65
	<b>TOTAL</b>	<b>18900</b>	<b>450.58</b>
<b>G.TOTAL</b>		<b>75000</b>	<b>1788.00</b>



### **1.3 SOIL AND MOISTURE CONSERVATION MEASURES**

Soil and Moisture Conservation is a major intervention to enhance the moisture regime of the forest floor. Forest is the origin of streams and rivers, therefore it is important to conserve soil and moisture in its catchment area. Under this intervention, loose boulder check dams, staggered trenches, percolation pits etc. are proposed to be taken up in forest areas. The contour trenches along contour in staggered manner is to reduce velocity of water and increase infiltration, percolation pits needs to be provided to trap precipitation, half moon trenches around plant in uphill side to check runoff water. The graded earthen bond structure proposed to be erected in the periphery of the forest block to retain the water for longer period and to percolate in more areas before wastage. In a forest patch the entire drainage line will be treated as per the requirement from top to bottom to check soil erosion through gullies, rills etc. Considering present environmental crisis, massive soil and moisture conservation measures are proposed for execution in the field. In APO 2020-21, the SMC activities has been proposed for 20 forest Divisions over 6650 ha area

@Rs31000/-per ha with total financial outlay of Rs 2061.5 lakh. The divisionwise targets are given in the following table .

<b>Table 1.3 DIVISION WISE DETAILS OF PROPOSED SMC ACTIVITIES</b>			
<b>Circle</b>	<b>Name of the Division</b>	<b>Target in Ha.</b>	<b>SMC @Rs.0.31000 /Ha. (Rs.in lakh)</b>
<b>Angul</b>	Angul	350	108.50
	Athmallik	350	108.50
	Dhenkanal	350	108.50
	Athgarh	350	108.50
	<b>Total -</b>	<b>1400</b>	<b>434.00</b>
<b>BBSR</b>	Khurda	350	108.50
	Puri WL	100	31.00
	Nayagarh	350	108.50
	<b>Total -</b>	<b>800</b>	<b>248.00</b>
<b>Berhampur</b>	Phulbani	350	108.50
	Boudh	350	108.50
	Gh.South	350	108.50
	<b>Total -</b>	<b>1050</b>	<b>325.50</b>
<b>Sambalpur</b>	Jharsuguda	250	77.50
	Rairakhol	350	108.50
	Bargarh	350	108.50
	<b>Total -</b>	<b>950</b>	<b>294.50</b>
<b>Rourkela</b>	Sundargarh	350	108.50
	<b>Total -</b>	<b>350</b>	<b>108.50</b>
<b>Baripada</b>	Rairangpur	350	108.50
	Similipal North WL	350	108.50
	<b>Total -</b>	<b>700</b>	<b>217.00</b>
<b>Koraput</b>	Koraput	350	108.50
	Jeypore	350	108.50
	Nowrangpur	350	108.50
	Malkangiri	350	108.50
	<b>Total -</b>	<b>1400</b>	<b>434.00</b>
	<b>Grand Total-</b>	<b>6650</b>	<b>2061.50</b>

#### **Implementation Schedule of Various Activities of APO 20-21:**

There are several activities proposed in APO, mainly plantation, protection, subsidiary silvicultural operations, SMC works, etc. The detailed timing of different activities is indicated in the following table;

<b>IMPLEMENTATION SCHEDULE OF PLANTATION ACTIVITIES IN APO PLAN PERIOD</b>			
<b>Sl. No.</b>	<b>Components</b>	<b>Activities</b>	<b>Time period</b>
1	Plantation	Nursery	Nov. to March & April to June
		Survey, site preparation & pitting	Nov. to March & April to June
		Fencing, carriage and planting	May to August
		Soil working, manuring, weeding, SMC	August to October
		Fire line tracing	January to March
2	SSO Bamboo	Cleaning, high stump cutting, removal of congestion and dead bamboos, soil mounding, moisture conservation	October to March & April to May
3	Soil & Moisture Conservation	Staggered trench, CCT, Percolation pit, LBCD, diaphragm wall, subsurface dyke, brush wood check dam, wiremesh, gabion	October to March & April to June
4	Maintenance of old plantations	Nursery	November to March & April to June
		Casualty replacement	July to August
		Soil working, weeding & manuring	August to September
		Fire line maintenance	January to March
		Watch & ward	Whole year

#### **1.4 FOREST PROTECTION**

Forest protection is a vital aspect of forestry management that focuses primarily on prevention & control of destruction of forests due to biotic interference. The survival of rich generation of flora and fauna has come under threat as a result of illegal exploitation of forest due to biotic and anthropogenic factors. Forest being the open treasury, Illicit felling and smuggling are a great threat in preserving, protecting and conserving the green cover. Legal provisions made for forest and wildlife offences are not sufficient to address the problems completely due to inadequacy in infrastructure, trained frontline personnel's & ancillary support. There are many new challenges are coming in the way of forest protection.

Forest fire is another destructive factor that causes severe stress and imbalance in the ecosystem. Large stretches of forest in the State are of deciduous type which is an important factor for wide spread occurrence of forest fire. Appropriate interventions are therefore required to minimize occurrence of forest fire in the first place and to effectively deal with forest fire wherever they occur.

<b>Table 1.4.1 DETAILS OF LOCATION OF 32 PROTECTION SQUADS</b>			
<b>Sl. No.</b>	<b>Division</b>	<b>Range</b>	<b>Vulnerable Site</b>
1	Athagarh	Narsinghpur	Balikiari
2	Athamallik	Dhandatopa	Korab
3	Bamra WL	Badrama	Badrama
4	Baripada	Kaptipada	Podadiha
5	Baripada	Bangriposi	Bangriposi
6	Berhampur	Khallikote	Sumandal
7	Bolangir	Kantabanji	Kantabanji
8	Bonai	Koida	Koida
9	Bonai	Sole	Sole
10	Boudh	Manmunda	Gundurua
11	Cuttack	Tomka	Tomka
12	Deogarh	Deogarh	Pradhanpat
13	Dhenkanal	Kamakshyanagar	Kamakshyanagar
14	Dhenkanal	Hindol	Dandiri
15	Ghumsur South	Soroda	Soroda
16	Jeypore	Boipariguda	Boipariguda
17	Kalahandi South	Biswanathpur	Musanal
18	Similpal North	Thakurmunda	Thakurmunda
19	Keonjhar	Barbil	Barbil
20	Keonjhar	Telkoi	Bimala
21	Keonjhar WL	Deogaon	Harichandanpur
22	Keonjhar WL	Anandapur	Gayalmunda
23	Khariar	Sinapali	Sinapali
24	Khordha	Ranapur	Ranapur
25	Khordha	Balugaon	Berbera
26	Khordha	Balugaon	Dhuanali
27	Nayagarh	Dasapalla	Dasapalla
28	Nayagarh	Panchrida	Panchrida
29	Parlakhemundi	Mohana	Mohana
30	Rourkela	Panposh	Talakudar
31	Sambalpur	Dhama	Dhama
32	Sundargarh	Hemgir	Daghora

Enforcement Acts and Rules pertaining to forest protection is a vital weapon to restrict illicit removal of timber. To implement such laws sufficient manpower, fund placement & infrastructure is barely necessity. The presence of grass root level front line staffs are inadequate those who primarily implementing the laws. Existence of infrastructure is also limited to accommodate the front line staffs. To assist the regular frontline staffs of forest Department there is absolute need of forest protection squads to combat the alarming situation of forest smuggling. Vulnerable smuggling pockets where acute timber smuggling is noticed, were identified in the different forest Divisions. In aforesaid pockets manpower in the name of protection squad was considered to be placed to restrict forest produce smuggling. Vulnerable pockets were identified basing on parameters such as;

- i. Density of the crop.
- ii. Presence of valuable species in the crops.
- iii. Economically valuable plantation crops.
- iv. Operation of organized antisocial elements and proximity of the area to the consumption points.

#### **1.4.1 Forest Protection Squad-**

Considering the above criteria 32 vulnerable sites in different Divisions were identified to boost the capacity of ground level field front line staffs to restrict anti smuggling activities. Each squad consists of 10 young, energetic local youths. Every squads camped at strategic locations having all facilities like barrack for their accommodation, water facility, provision of vehicle for immediate action, modern communication equipments to keep in touch with adjoining staffs etc. with a total financial out lay of Rs. Rs.616.12 Lakhs has been provided in the APO 20-21. Vehicles have been provided in case of 18 forest protection squads where drivers are hired and the total financial allocation of these 18 squads is Rs.334.44 lakhs @ Rs.18.58 lakh unit and in 14 squads hired vehicles have been given with a cost of @ 20.12 lakhs per unit with financial outlay of Rs 281.68. The list of vulnerable sites is given in the following table.



### **1.4.2 Forest Protection Coordination Cell**

Forest protection being an integral part of the forest management, needs proper and timely exchange of information and monitoring at different levels. Receiving information like timber smuggling, forest fire, wildlife menace, man-animal conflict from different quarters and disseminating them with appropriate CIT based backup from State FITGC geomatic Hq Cell of PCCF, Odisha to different field level functionaries is the key point of forest protection. This forest protection cell will function with different equipments and manpower to address the above issues at different hierarchical offices. This protection cell will mainly handle the coordination work, transferring information to and fro from different offices like PCCF, RCCF, DFO, FSI, NTCA, etc. The financial outlay to meet such expenses is Rs. 301.45 Lakhs. Through the concerted efforts of Forest Department, the amount of illicit felling has come down which is also reflected in the enhancement of green cover in Odisha forests. and the number of fire points have also come down over a period of time. For example in 2019-20 the fire points have come down from 31000 to 19000. There is a continuous coordination is being done at the DFO, RCCF and PCCF level through these coordination cells. The financial outlay to meet expenses for co-ordination cell at Division offices 37 nos is Rs245.68 lakh, @6.63987 lakhs per unit , 8 co-ordination cell at circle offices with a financial outlay of Rs53.12 lakh. for 8 @ RS 6.63987 lakh with total Rs. In addition to that financial outlay of Rs 14.71 lakh has been kept for co-ordination cell at Forest headquarters.

### **1.4.3 FIRE PROTECTION**

The most common hazard in forests is forest fire. Forest fire pose a threat not only to the forest wealth but also to entire regime to fauna and flora seriously disturbing the biodiversity, ecology and environment. In the summer season, the deciduous forests of the Odisha become littered with dry senescent leaves and twigs. This is the major threat to forest fires.. The deciduous forests of Odisha suffer on account of repeated fire during summer months resulting great loss of regeneration, moisture stress, biomass depletion and hardship to wildlife. It needs to be controlled and managed to safeguard the productivity and eco-system health. Steps have been taken to augment the availability of manpower in organized groups to tackle forest fire in remote and inaccessible areas. Odisha Forest Department has achieved a major success in handling the forest fires.

### **1.4.3.1 Fire Fighting Squad**

Information is being received from Forest Survey of India about occurrence of forest fire in the State. This information is collected from the data received through MODIS/SNPP Satellite and communicated to the field to the exact forest Beat/Section/Range and Division through web based app and to the individual mobile of concerned field staff through a computer generated message from the State Headquarters based 24x7 Forest Fire Cell. Such data has been used to locate fire prone divisions of the State. However, to combat the menace of forest fire in the field, it is necessary to deploy adequate fire fighting squad who will assist the forest staff in the activities of fire control. Due to wide spread occurrence of forest fire in the State, it has been considered necessary to cover all Forest Divisions of the state for deployment of fire fighting squad. Each squad comprises 10 persons who are mainly the rural unemployed youth and are provided with firefighting equipment. A vehicle on hiring basis is provided for mobility. The squad is deployed for 150 days during the entire fire season starting from February upto July. There are 216 squads deployed in 37 divisions in this APO 2020-21 @ 6.57 lakhs per squad. The financial outlay for firefighting squads is Rs. 14.19 Cr.

**Logistics to Fire Protection Squads:** The fire fighting is mostly with the help of fire blowers. Nearly 500 blowers are in operation in different divisions, in addition other equipments like fire safety gloves, dress, helmet, jacket, fire fighting hook, fire beater etc. are also required. Running of blowers require oil. This expenditure is kept for running cost and purchase of equipments as and when required. Hence the logistic cost is kept @ Rs.0.85 lakh/squad and the total outlay for this is Rs.185.15 lakh. The details of nos. of squads deployed in different divisions along with the cost is given in the following table.

### **1.4.3.2 Creation and Management of fire line**

It is a time tested methodology evolved since ancient period that fire line so created before December in the forest to suppress the alarming fire hazard in the forest. Fire line creation and maintenance every year is an important preventive method to control forest fire.. It is created co-terminous with all the compartment lines and the boundary line of the Forests and maintained at regular interval during the fire season. New fire lines needs to be created taking into consideration of FSI report / Satellite imageries. There is provision of

creation/ maintenance of 19500 kms of fire line across the forests in the state in all the 37 Divisions. Fund has been provided at the rate of Rs. 0.0298 lakh per Km for the maintenance. The financial outlay for fire line creation/maintenance is Rs. 581.10 lakhs. Division wise targets of fire line to be maintained are mentioned in the table below.

**Table 1.4.2 DETAILED EXPENDITURE REQUIRED FOR FIRE PROTECTION**

Sl No.	Name of Division	Details of Fire Fighting squad including vehicle (@ Rs.6.57 lakhs/one)		Details of Fire line Maintenance in K.M @ Rs.0.0298 lakhs/K.M		Logistics cost @ Rs.0.8525 lakh/Sqd	Total
		No.	Fin (Lakhs)	Length	Fin (Lakhs)	Fin (Lakhs)	Fin (Lakhs)
1	Angul	6	39.42	600	17.88	5.12	62.42
2	Athamallik	5	32.85	600	17.88	4.26	54.99
3	Dhenkanal	8	52.56	600	17.88	6.82	77.26
4	Athagarh	5	32.85	500	14.90	4.26	52.01
5	Cuttack	3	19.71	300	8.94	2.56	31.21
6	Khordha	6	39.42	300	8.94	5.12	53.48
7	Nayagarh	7	45.99	600	17.88	5.97	69.84
8	City Forest	1	6.57	100	2.98	0.85	10.40
9	Phulbani	7	45.99	800	23.84	5.97	75.80
10	Balliguda	7	45.99	800	23.84	5.97	75.80
11	Boudh	5	32.85	500	14.90	4.26	52.01
12	Ghumsur South	5	32.85	700	20.86	4.26	57.97
13	Ghumsur North	5	32.85	600	17.88	4.26	54.99
14	Berhampur	4	26.28	600	17.88	3.41	47.57
15	Parlakhemundi	7	45.99	800	23.84	5.97	75.80
16	Jharsuguda	5	32.85	300	8.94	4.26	46.05
17	Sambalpur	5	32.85	500	14.90	4.26	52.01
18	Rairakhol	6	39.42	600	17.88	5.12	62.42
19	Bargarh	6	39.42	500	14.90	5.12	59.44
20	Sundargarh	6	39.42	500	14.90	5.12	59.44
21	Rourkela	6	39.42	500	14.90	5.12	59.44
22	Bonai	7	45.99	500	14.90	5.97	66.86
23	Deogarh	5	32.85	400	11.92	4.26	49.03
24	Keonjhar	7	45.99	600	17.88	5.97	69.84
25	Baripada	8	52.56	500	14.90	6.82	74.28
26	Karanja	6	39.42	500	14.90	5.12	59.44
27	Rairangpur	5	32.85	300	8.94	4.26	46.05
28	Kalahandi North	5	32.85	600	17.88	4.26	54.99
29	Kalahandi South	7	45.99	600	17.88	5.97	69.84
30	Subarnapur	4	26.28	500	14.90	3.41	44.59
31	Bolangir	11	72.27	600	17.88	9.38	99.53

32	Khariar	5	32.85	500	14.90	4.26	<b>52.01</b>
33	Rayagada	7	45.99	600	17.88	5.97	<b>69.84</b>
34	Koraput	6	39.42	500	14.90	5.12	<b>59.44</b>
35	Jeypore	6	39.42	500	14.90	5.12	<b>59.44</b>
36	Nabarangpur	6	39.42	500	14.90	5.12	<b>59.44</b>
37	Malkangiri	6	39.42	500	14.90	5.12	<b>59.44</b>
	<b>Grand Total-</b>	<b>216</b>	<b>1419.12</b>	<b>19500</b>	<b>581.10</b>	<b>184.15</b>	<b>2184.37</b>

#### 1.4.4. Involvement of VSS in Forest Protection:

This is a new concept being started in Odisha. Hitherto forest protection is done by the Forest Department alone by involving its staff , squads and equipments. Now it has been decided to make people as partners in forest protection. In this concept, the area assigned to the VSS has to be taken care of by the people. There will be few parameters like density of the crop, regeneration, number of fire incidence, response time to fire hazards, availability of minor forest produce in the patch, etc. The assessment will be done objectively in each patch. The VSS who are able to perform will be incentivized and their contribution will be given to the VSS. Since this is a new project being conceptualized, an amount of Rs.10 Cr has been kept and its results will be known in the next year.



## IMPLEMENTATION SCHEDULE FOR FOREST PROTECTION ACTIVITIES

Sl. No.	Component	Activities	Time period
1	Forest Protection	Squad deployed at vulnerable pockets	Whole year
2	Fire protection	Squads deployed for extinguishing forest fire	February to June
3	Fire Line	Creation/maintenance of fire line	January to March
4	Forest Coordination Cell at Divisions, Circles & Hqrs	to handle the coordination work, with offices of PCCF, RCCF, DFO, FSI, NTCA, etc.	Whole year



## 1.5 AMA JANGALA YOJANA

Ama Jangala Yojana (AJY) is one of the pilot schemes of the Government of Odisha, Forest & Environment Department, being implemented through Odisha Forestry Sector Development Society to promote sustainable forest management in the state by involving communities. The afforestation activities that are being envisaged in the forest is done under CAMPA. The total project cost is slated at Rs. 511.32 crore for six years . The efforts are being made to win the people support through alternate livelihood activities.

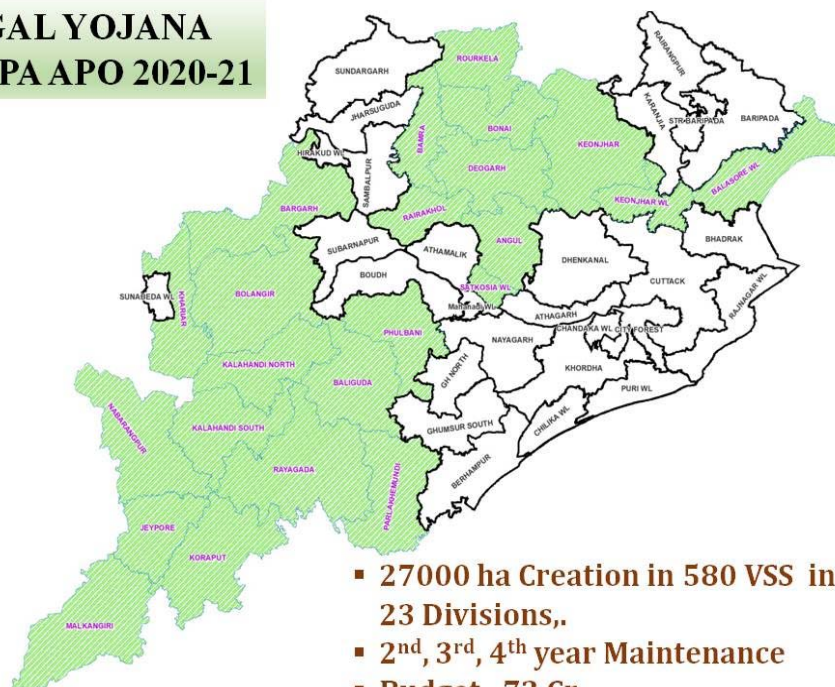
The entire VSS based afforestation activities under Ama Jangala Yojana are designated as separate project. This involves Capacity building through community mobilization, Institution Building, Formation of Self Help Groups, PRA, microplan preparation. Restoration of degraded forest areas assigned to VSS is done through ANR activities.

Under APO 2020-21, 580 VSSs would be covered in 23 Forest Divisions for taking up various activities as detailed in the following table. The total cost estimated for carrying the activities under AJY is projected at Rs.7200.00 lakh. The details of the works that will be undertaken in AJY is given in the following table:

<b>Sl. No.</b>	<b>Name of Activity</b>	<b>Physical Target</b>	<b>Financial Outlay (Rs. in Cr)</b>
1	ANR (without Gap) planting 0 <sup>th</sup> year	65500 Ha.	19.86
2	Preparatory Works & Support Activities	Micro planning and capacity building and Publication	3.49
3	ANR (without gap) 1 <sup>st</sup> year operation	27000 ha	33.80
4	ANR (without gap) 2 <sup>nd</sup> yr Maintenance	27000 ha	10.73
5	ANR (without gap) 3 <sup>rd</sup> yr Maintenance	27700 Ha.	3.58
6	Block Plantation 4 <sup>th</sup> yr. Maintenance	1010 ha	0.54
		<b>Total</b>	<b>72.00</b>

## AMA JANGAL YOJANA UNDER CAMPA APO 2020-21

Sl No	Division
1	Angul
2	Balasore WL
3	Balliguda
4	Bamra WL
5	Baragarh
6	Bolangir
7	Bonai
8	Deogarh
9	Jeypore
10	Kalahandi North
11	Kalahandi South
12	Keonjhar
13	Keonjhar WL
14	Khariar
15	Koraput
16	Malkangiri
17	Nawarangpur
18	Parlakhemundi
19	Phulbani
20	Rairakhol
21	Rayagada
22	Rourkela
23	Satkosia WL



- 27000 ha Creation in 580 VSS in 23 Divisions,,
- 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> year Maintenance
- Budget- 72 Cr

### IMPLEMENTATION SCHEDULE FOR AMA JANGALA YOJANA

Sl. No.	Component	Activities	Time period
1	ANR without gap plantation	Survey demarcation & silvicultural cleaning, cutting of high stumps	October to March
2		SMC	April to June
3		Watch & ward	Whole year
4	Maintenance of old plantations	Nursery	November to March & April to June
		Casualty replacement	July to August
		Soil working, weeding & manuring	August to September
		Fire line maintenance	January to March
		Watch & ward	Whole year



## **1.6 WILDLIFE PROTECTION AND MANAGEMENT**

Odisha is a wildlife rich State and biodiversity rich areas have been declared as Protected Areas. Presently there are 19 Sanctuaries, one National Park, one proposed National Park, two Tiger Reserves, one proposed tiger reserve (Approved by NTCA and in the process of declaration) three elephant reserves and one Biosphere reserve. About 5.36% of geographical area of the state is covered under the Protected Area network. In addition to the PA network there are areas of outside Protected Areas Network of Global/National importance from conservation point of view. These areas cover nesting grounds for Olive Ridleys (About 50% of mass nesting of the world takes place in Odisha), Black Buck habitats protected by local communities, mugger populations & Irrawaddy Dolphins etc. Odisha also has the distinction of having melanistic tigers in the wild, all three types of



crocodiles, major elephant population of East-central landscape of the country, migratory birds etc. Therefore, wildlife protection and management activities are not only restricted to Protected Areas Network but also covers whole of state including marine areas (which covers one marine sanctuary also).

Such rich biodiversity is definitely a matter of pride for the state but at the same time poses lot of challenges due to prevailing socio-economic scenario.

To address host of challenges the State is facing to protect and conserve the wild life along-with its habitat, CAMPA APO: 2020-21 has been formulated. This APO is broadly categorized into following three parts:-

- A. Wildlife Protection and Management.**
- B. Implementation of Regional Wildlife Management Plan.**
- C. Implementation of Site Specific Wildlife Conservation Plan.**

### **ACTIVITIES UNDER NPV COMPONENTS**

#### **Wildlife Protection and Management**

As narrated above wildlife protection and management poses many challenges due to increase in human population, developmental needs including linear infrastructure fragmenting the habitats, blocking the natural movement paths causing straying of animals etc. As per CAF Rule, 2018 the expenditure proposed under this head is from **80% NPV component**. The following are the proposals under this head:-

##### **1.6.1 Protection and Anti -Depredation Activities**

Protection of wild animals and their habitat is of paramount importance. This covers not only protection of wild animals in their natural habitats but also in the cases wherein they stray into human habitations, agricultural field etc. In the process there is considerable damage to Wildlife and life and property of human beings. To tackle such situation more manpower is required. Such manpower is drawn from the local areas and consists of local youth who supplement the meager no of field functionaries of the department and help in tracking the wild animal movement and protection of wild animals and also life and property of human beings who belong to lower economic strata of the society. Forest staff and these squads are equipped with anti-depredation equipment and tracking devices. To coordinate such activities and to maintain the database, control rooms are maintained in

field units and a Wildlife Crime Cell has been created at the headquarter level. These units also manage data base relating to wild life crime, movement of wild animals etc.

To strengthen the protection activities, intelligence network is essential to prevent and detect the wildlife offences. So activities related to this aspect are also proposed in the interest of protection. At many places physical barriers are required to safeguard wild animals and life and properties of villagers. So funds have been sought for this purpose also. Despite best efforts at some places there is damage to crops or loss of human life and management plans of Protected Areas provide for payment of compassionate grant. Therefore, an amount of Rs.110 lakhs has been proposed under the same to provide help to such affected villagers. In addition to this for safeguarding our protected areas proposal is given to maintain boundary of protected areas in parts where it is required.

As there are regular cases of death of wildlife, particularly elephants due to train hit, a management plan has been developed with the help of Wildlife Trust of India and is under implementation. For current year, funds have been sought as per prescriptions. In the process of protection, many a times wild animals under distress are in need of rescue and temporary care in the field before its release into wild. So funds have been sought for such rescue operation of wild animals in the field. To cover all these protection related activities following are the proposals:-

Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Unit (in No.)	Proposed amount (Rs. in lakh)
1	Wildlife Protection cum Anti-depredation Squads	Nos.	18.583	174	3233.44
2	Engagement of Wildlife Tracker	Nos.	2.92	90	262.80
3	Anti-depredation equipment/Tracking devices	LS			100.00
4	Compassionate Payment as per management plan provision to protect wild animals	LS			110.00
5	Fencing and Erection of barriers, Round Rubble Wall, Solar Fencing, trench etc. including maintenance	LS			700.00
6	Implementation of Elephant-Train collision mitigation plan	LS			20.00

7	Mobility for Boats for patrolling/anti-depredation/anti-smuggling activities	LS			100.00
8	Rescue & release operation of wild animals	LS			40.00
9	coordination cells in wildlife divisions to coordinate antipoaching activities	Nos.	6.71	15	100.65
10	Strengthening of wildlife crime cell, Elephant cell etc. at WL HQ. and in Crime branch of the state along with Data Management	LS			65.00
11	Maintenance of Boundary of Protected Areas	LS			100.00
12	Development and upscaling of Intelligence Network for Protection of Wildlife	LS			100.00
<b>Total:</b>					<b>4931.89</b>

### 1.6.2 Forest fire prevention and control in PA and Wildlife Habitat

Forest fires from February to June are a common phenomenon due to climate conditions. Fires cause huge loss to habitat by damaging regeneration, causing moisture stress, biomass loss etc. Many a times wild animals, their young ones or eggs also get damaged by it.

To prevent fires, fire lines are created to cause fire breaks in forest. Awareness activities are also undertaken as most of the fires are anthropogenic.

Besides prevention steps, fire-fighting operations are also undertaken, State Forest Department has a good system based on SNPP and MODIS satellites to detect the fire spots. After detection the information is passed on to field units who in turn rush to the spot and extinguish the fire at the earliest possible. For this propose in each unit along-with departmental staff local youth are engaged as fire-fighting squads in the PAs. These squads are provided with mobility and fire-fighting equipment including leaf blowers etc. To assess the number of fire spots, area damaged and quick passing on of satellite based information, Data management units are also deployed during the fire season and post fire season.

The following are the proposals.

Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Proposed amount (Rs. in lakh)
1	Fire-fighting Squads	Nos.	6.57	48	315.36
2	Fire-fighting equipment including Blowers	Nos.	0.61	96	58.56
3	Training to fire-fighting squads	Nos.	0.15	12	1.80
4	Logistics support for the fire fighting squads	Nos.	0.85	48	40.80
5	Fire line Creation & maintenance	KM	0.0298	6887	205.23
6	Data Management and analysis	L.S.			25.00
<b>Total:</b>					<b>646.75</b>

### **1.6.3 Voluntary Relocation of Villages from Protected Areas and Tiger Reserve**

Funding for voluntary relocation of villages from inside sanctuary and national parks have been given prominence in this APO. It is the only way by which human interference in wildlife habitats & retaliatory depredation due to wildlife faced by the people can be minimized. This effort gathered strength when the relocation package earlier being provided to villages in core area of tiger reserves was extended to all the sanctuaries and other forested areas including buffer areas of tiger reserves in the notification brought out by the state Govt. in June, 2016. This voluntary relocation seeks to provide an inviolate biome to the wildlife and simultaneously makes an effort to include the villagers of these interior villages in the main stream & have an access to all the basic infrastructural facilities & benefit out of the Govt. sponsored public welfare programmes. Funds in this head will be spent on different item of works as specified in the guidelines issued by NTCA & as per the guide line issued vide No 12000 dt.29.06.2016 of the state Govt. By utilizing CAMPA funds in previous APOs, 155 families from three villages namely Jamunagarh, Kabatghai and Ramjodi of Similipal Tiger Reserve, 78 families from one village namely Raigoda of Satkosia Tiger Reserve and 66 families from one village namely Jhagadabehera of Debrigarh WLS has been successfully relocated. In the CAMPA APO

2019-20 there has provision of Rs1571.00 lakh for relocation of two villages from Similipal Tiger Reserve and Hadagarh WL Sanctuary. In the present APO provision of Rs.1000.00 lakh has been made for Relocation of villages from Protected Areas. The following are the proposals.

<b>Table 1.6.3 Voluntary Relocation of Villages</b>					
Sl. No.	Item of work	Unit Nos.	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Proposed amount (Rs. in lakh)
(i)	Voluntary Relocation of Villages from Protected Areas and Tiger reserves	LS			1000.00
<b>Total:</b>					<b>1000.00</b>

#### **1.6.4 Habitat Improvement**

Habitat improvement is an important activity in Wild Life Management. Various developmental processes, biotic interferences and incidences of fire in forest areas are the main cause of degradation of wildlife habitat. Following activities are proposed for improvement of Wildlife habitats;

- **Creation and Maintenance of Water Bodies.**

To check the water scarcity in wild life habitat, creation and maintenance of water bodies have been proposed. It has been proposed to create 180 Nos. water bodies of size 40mtr x 30mtr x 3mtr and to maintain 150 Nos. of water bodies created as per previous APOs.

- **Plantation of fruit bearing and fodder species around the water bodies**

To augment the food and fodder requirement of wildlife, it has been proposed to plant at least 50 Nos. of fruit bearing and fodder plant around each water body. The plants will be protected by gabions and watering will be done during summer months. In this plan it has been proposed to cover 81 Nos. of water bodies. Further provision has been made for 2<sup>nd</sup> year & 3<sup>rd</sup> year maintenance of the plantations taken up in the APO 2019-20 & 2017-18 respectively.

- **Fodder block plantation and its maintenance:**

Funds under this item will be utilized for second & third year maintenance fodder plantation created in wildlife habitats.

- **Rejuvenation of Wildlife Corridor:**

Elephants being long ranging animals use traditional migratory routes for commuting between different forests. These routes known as corridors are essential to be safeguarded and rejuvenated through habitat improvement for ensuring minimal human-elephant conflict & to conserve the gene pool of the pachyderms. Activities under this item will be carried out as per the approved plans meant for management of elephants and corridors. Further provision has been made for second year maintenance of plantation taken up in the APO 2019-20.

- **Creation and Maintenance of Salt licks:**

To check wild animal becoming prey to poachers by visiting natural salt licks as well as meeting the salt requirement of herbivores, it is proposed to create new salt licks and maintain salt licks created in previous APOs.

- **Immunization of Cattle:**

The cattle of forest fringe villages and villages located inside the PAs do graze in forest areas. The infected cattle may cause spreading of contagious diseases to wild life. To prevent such incidences, it is proposed to immunize the cattle with the help of local veterinary officers.

- **Invasive weed eradication:**

Unwanted weeds will be uprooted and destroyed in order to boost the growth of palatable grass/shrubs/trees.

- **Meadow Development:**

Meadows will also be developed and maintained to supplement the food deficiency of the herbivores.

- **Black buck Conservation:**

Black buck is a schedule- I Species as per the Wildlife Protection Act, 1972. This species is found in few specific areas of the state which require protection and conservation measures. The activities in this item would also cater to habitat improvement, census operations & strengthening their monitoring mechanism. Physical and financial details are given in the following table:

<b>Table 1.6.4 DETAILS OF WILDLIFE HABITAT IMPROVEMENT MEASURES</b>					
Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Proposed amount (Rs. in lakh)
1	Creation of water body (40m x 30m x 3m)	Nos.	5.96	180	1072.80
2	Maintenance of Water Body created during previous years	Nos.	0.9685	150	145.28
3	Plantation of Fruit Bearing and Fodder species around water bodies and maintenance thereof	Plant in Nos.	0.00501	4050	20.2905
4	2 <sup>nd</sup> year maintenance of plantation of Fruit & Fodder species around water bodies	Plant in Nos.	0.00186	11750	21.855
5	3 <sup>rd</sup> year maintenance of fruit & Fodder species around water bodies	Plant in Nos.	0.00113	11650	13.165
6	2 <sup>nd</sup> year maintenance of fodder block plantation	Ha	0.28773	60	17.2638
7	3 <sup>rd</sup> year maintenance of Fodder block plantation	Ha	0.19337	17	3.28729
8	Creation and maintenance of salt licks	Nos.	0.50	50	25.00
9	Immunization of cattle	LS			95.90
10	Invasive weed eradication	LS			100.00
11	Meadow development & Maintenance	LS			300.00
12	Black Buck Conservation	LS			25.00
13	Rejuvenation of Wildlife corridor (0 <sup>th</sup> year)	Ha	0.34376	20	6.8752
14	2 <sup>nd</sup> year maintenance of plantation taken up under rejuvenation of wildlife corridors	Ha	0.28773	6	1.72638
15	Construction of treatment shed and creation of artificial cave for wild sloth bear.	LS			13.00
<b>Total:</b>					<b>1861.44</b>

### 1.6.5 Soil and Moisture Conservation Measures in Wildlife Habitat

Soil and Moisture conservation intervention are desirable to enhance the moisture regime of forest area. Under this item, loose boulder check dams, staggered trench, percolation pit, graded bund, diaphragm wall and water harvesting structure etc. are proposed to be

taken up in forest areas. In a forest patch the entire drainage line will be treated as per the requirement. The Details are in the following table:

Sl. No.	Item of work	Unit	Unit cost	Quantity/Unit (in No.)	Proposed amount
1	LBCD	Cum	0.0679	750	50.93
2	Staggered trench	Ha	0.1828	500	91.40
3	Graded bund and diaphragm wall	Nos.	10.00	10	100.00
4	Water Harvesting structure	Nos.	10.00	40	400.00
<b>Total:</b>					<b>642.33</b>

### **1.6.6 Establishment, Operation and Maintenance of animal rescue center and veterinary treatment facilities for Wild animals:**

There are eight large / mini and small zoos managed and maintained by Forest Department which are also functioning as animal rescue centres. Some improvement and maintenance activities will be taken up in these eight rescue centers under this APO as per the zoo master plan and master layout plan approved by CZA. A provision of Rs.300.00 lakh is proposed for this purpose.

- Veterinary and diagnostic Centre with advanced post-mortem and forensic capability has been established in Nandankanan Zoo. In this APO the provision of Rs.50.00 lakh has been made for its maintenance.
- Rescue Centres, transit house and treatment centres are a need of the hour to provide life saving treatment & medication to rescued wild fauna & for making them fit for release in the wild. In this APO the provision of Rs.200.00 lakh has been made which will be utilized for setting up such centres and procurement of necessary equipment/instruments/medicines etc.
- It is proposed to establish rescue centre equipped with logistics at different locations in the field to support wildlife protection and management activities. So during the current APO: 2020-21 it is proposed for 16 such centre @ 25.00 lakh each. Therefore the total provision has been kept at Rs.400.00 lakhs.
- The following are the proposals.



Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/ Unit (in No.)	Proposed amount (Rs. in lakh)
1	Maintenance of Nandankanan & Other Rescue Centre	LS			300.00
2	Maintenance of Nandankanan Zoos hospital	LS			50.00
3	Establishment of Rescue Centre and Veterinary treatment facilities	LS			200.00
4	Logistics for Rescue Centre	LS			400.00
<b>Total:</b>					<b>950.00</b>

**1.6.7. Supply of wood-saving cooking appliances and other forest produce saving devices in forest fringe villages as specified by the National Authority from time to time:**

As per the instruction of Inspector General of Forests and Chief Executive Officer, Adhoc CAMPA vide letter No.4-17/2010-CAMPA dated 16.06.2015 to reduce pressure on forests, the provision of distribution of wood saving cooking appliances and other devices etc. to the villagers around Protected Areas has been made in this APO with a financial outlay of Rs.50.00 Lakhs. The use of LPG in forest fringe villages will also be encouraged.

The following are the proposals.

Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Unit (in No.)	Amount (Rs. in lakh)
(i)	Distribution of fuel saving devices like Unnat chullas/LPG, Solar cookers/lamps etc to the villagers around Protected Areas	Nos	0.02	2500	50.00
<b>Total:</b>					<b>50.00</b>

**1.6.8 Management of Biological diversity and Biological resources**

For assessment of success of wildlife management, periodical studies of biodiversity of Protected Areas, population dynamics of different fauna, carrying capacity of wildlife habitats and such other studies are essential. In this APO provisions of Rs 25.00 lakh have been made for Biodiversity assessment of the PAs and other research activities.

<b>Table 1.6.8 Management of biological diversity and biological resources</b>					
Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Proposed amount (Rs. in lakh)
(i)	Biodiversity Assessment of the Protected Areas.	LS			25.00
<b>Total:</b>					<b>25.00</b>

**ACTIVITIES UNDER 20% COMPONENTS OF NPV OF WILDLIFE WING**

**1.6.9 Strengthening of Communication facilities for Protection of Wildlife**

For improving the performances of protection staff it is essential to have better communication facilities available with them. For these, following activities are proposed in this APO.

- i. Installation of VHF base station, and maintenance thereof including satellite tracking.
- ii. Procurement of equipment for monitoring of wild animals and protection activities.
- iii. Communication and Information Technology, data analysis and data managing.

<b>Table 1.6.9 DETAILS OF STRENGTHENING OF COMMUNICATION NETWORK FOR WILDLIFE PROTECTION</b>					
Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Proposed amount (Rs. in lakh)
1	Installation of VHF base station, and maintenance thereof including satellite tracking	LS			175.09
2	Equipment for monitoring of wild animals and the protection activities	LS			200.00
3	Communication and information Technology, data analysis and data managing	LS			150.00
<b>Total:</b>					<b>525.09</b>

### 1.6.10. Infrastructure Development for Wildlife Management

Development of infrastructure and its maintenance is an important component for effective wildlife management. Following infrastructure works are proposed.

- In order to provide camping accommodation to the protection staff in the field, it is proposed to construct protection barrack at strategic locations. In the barracks there will be communication equipment, drinking water facility, solar light system etc. In this APO, provision for establishment of 15 Nos. of anti-poaching barracks have been made.
- Provisions have been made for strengthening 5 Nos. Anti-poaching check gates to check illegal activities.
- Provision for construction of 5 nos. of seizure yards for safe keeping of vehicles involved in wildlife crime have been made.
- Funds for construction of 3 Nos. of floating Jetty in coastal and other inland water bodies.
- Provision for construction of 8 Nos of Watch Towers at strategic locations for monitoring movement of wild animals
- Provision for maintenance of forest road and inspection path

Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Amount (Rs. in lakh)
1	Maintenance of Forest Road/Inspection path	KM	0.69	750	517.50
2	Anti-poaching Barrack	No	20.00	15	300.00
3	Anti-poaching check gates	No	7.00	5	35.00
4	Seizure Yard	No	7.00	5	35.00
5	Floating Jetty	No	15.00	3	45.00
6	Construction of Watch Tower	No	20.00	8	160.00
<b>Total:</b>					<b>1092.50</b>

### 1.6.11. Research activities

Research activities are being carried out in different PAs promoting preservation and conservation of wildlife species. Habitat parameters and other studies will be carried out. For this purpose a provision has been made for Rs150.00 lakh in this APO.

Sl. No.	Item of work	Unit	Unit cost (Rs. in lakh)	Quantity/Unit (in No.)	Proposed amount (Rs. in lakh)
(i)	Research activities to promote	LS			150.00

	conservation, sustainable use and documentation of Biological Resources				
<b>Total:</b>					<b>150.00</b>

### 1.6.12. Publicity & Awareness Programs

Under this component of the APO, it is proposed to take up publicity, awareness, training and capacity building programs for the field staffs and Rapid Response Teams in the matter of wildlife protection, anti-depredation activities, rescue and rehabilitation operations etc.

Sl. No.	Item of work	Unit	Unit cost (Rs.in lakh)	Quantity / Unit (in No.)	Proposed amount (Rs.in lakh)
(i)	Publicity, Awareness Training & Capacity building	LS			75.00
<b>Total:</b>					<b>75.00</b>

### 1.6.13. Monitoring and Evaluation

As per the CAMPA guidelines, the activities/operations undertaken out of CAMPA funds are required to be monitored and evaluated in order to assess the quality as well as effective utilization of funds. Evaluation of management effectiveness of the Protected Areas is also essential for better planning. For this a provision of Rs 50.00 lakh has been kept.

Sl. No.	Item of work	Unit	Unit cost (in lakh)	Quantity	Amount (in lakh)
(i)	Monitoring & Evaluation of management effectiveness of protected areas	LS			50.00
<b>Total:</b>					<b>50.00</b>

## ACTIVITIES UNDER 20% NPV OF FOREST WING

### 1.7 INFRASTRUCTURE DEVELOPMENT

Forest and Forestry have undergone a drastic change over the last few decades. However, the infrastructure of the Forest Department has not developed keeping in pace with the changing scenario mainly because of inadequate budgetary provisions. This aspect has been well perceived and adequately addressed in the CAMPA rules. The rules lay emphasis on development of infrastructure for the frontline staff. It is thus imperative that infrastructure associated with management of forest, official, residential accommodation for the frontline staff, communication, mobility etc. be the priority area in the planning process for augmentation of infrastructure at the cutting edge level. Accordingly, the total financial outlay of different infrastructure component in the Forest Department is kept at Rs 5601.24 lakhs under different components as detailed below:

#### 1.7.1 Maintenance of mega nursery/permanent nursery

There are 39 permanent nurseries/mega nurseries developed under Campa to help in promoting the growth seedlings. Massive plantation programmes are being taken up with the people participation in different parts of Odisha. To cater to the plantation needs, there is a need to raise quality planting materials and hence maintain these nurseries. Fund allocation for 39 nurseries of different Divisions are made @ 3.98 lakh per nursery having total financial layout of Rs 155.22 lakh. The Division wise details of the nurseries are furnished below.

<b>SL NO.</b>	<b>NAME OF THE DIVISION</b>	<b>LOCATION</b>	<b>RANGE</b>
1	ANGUL	Kulasingha	Purunagarh Range
2	PURI WL	Tavagorala	Astarange WL Range
3	NAYAGARH	Sampada	Mahipur Range
4	GH. SOUTH	Gadagada	Aska Range
5	GH. SOUTH	Khariguda	Badagada Range
6	BOLANGIR	Kadalimunda	Bolangir Range

7	MALKANGIRI	Jaganathpali	Malkangiri Range
8	BARIPADA	Giiajodi	Bangirposi Range
9	KEONJHAR	Padampur	Keonjhar Range
10	ROURKELA	Laing	Rajganpur Range
11	JEYPORE	Jayantigiri	Boriguma Range
12	JHARSUGUDA	Chandinimal	Barjaraj nagar Range
13	SAMBALPUR	Badasinghiri	Jampali Range
14	KALAHANDI NORTH	Kuturkhai	Bawanipatna Range
15	DHENKANAL	Kamakhyanagar	Kamakhyanagar-E

<b>DIVISION WISE LIST OF UP-GRADED PERMANENT NUSERY</b>			
<b>SL NO.</b>	<b>NAME OF THE DIVISION</b>	<b>LOCATION</b>	<b>Range</b>
1	ATHAGARH	Boudabankahandi	Athagarh Range
2	BOUDH	Bamanda	Boudh Range
3	RAIRANGPUR	Kaduani-Dumadihi	Bahalda Range
4	KORAPUT	Kalyanjhankar	Koraput Range
5	SUBARNAPUR	Chhancanchadunguri	Sonepur Range
6	PARLAKHEMUNDI	Parsurampur	Debagiri Range
7	SILVA BHUBANESWAR	Silvi, BBSR	Silvi, BBSR
8	SILVA RAYAGADA	Bolangir reserch station	Bolangir, Range
9	GH. NORTH	Lalsing	Mujagada Range
10	KALAHANDI SOUTH	Jaring	Junagarh Range
11	ATHAMALLIK	Badarohila	Bamur Range
12	SUNDARGARH	Ujalpur	Ujalpur Range
13	KHORDHA - I	Patharabandh	Tangi Range
14	KHORDHA - II	Jariput	Khorda Range
15	BARGARH	Barhaguda	Baragarh Range
16	BERHAMPUR	Panauagan	Khalikote Range
17	BALLIGUDA	Nuashai	Baliguda Range
18	BONAI	Dhatkiposh	Tamara Range
19	DEOGARH	Kudajharan	Riamal Range
20	RAIRAKHOL	Penthbahal	Naktidual Range
21	KHARIAR	Behela	Komna Range
22	RAYAGADA	Jhiliguda	Muniguda Range
23	NABARANGPUR	Patromunda	Nabarangpur
24	KARANJIA	Karanjia-Banasahi	Karanjia Range



### **1.7.2 Construction of Range office**

The Range officer is the key person in the implementation of the various programmes of the Forest Department. There are 289 Range offices under the control of PCCF Odisha. After inception of CAMPA in Odisha, major emphasis has been given on modernisation and construction of Range offices and residential accommodations. In APO 2020-21, it has been decided to newly construct 25 Range offices in different Divisions of the State @19.38 lakh with financial layout *Rs.484.50 lakh*. The details have been provided in **Table-1.7.2**

### **1.7.3. Range officer, Forester & Forest Guard Residences**

Standard plan and cost structure have been prepared for the residential accommodation to be provided to Range Officer, Deputy Ranger / Forester and Forest Guards. The standard plan has been prepared keeping the entitlement of different category of staff in view. The cost structure has been based on the approved cost structure of the Works Department of Govt. of Odisha. Continuous effort has been made right from Annual Plan of Operation 2010-11 to construct residential accommodation for the frontline staff. The present plan provides for construction of residential accommodation for 35 Range Officers at an estimated cost of Rs. 508.90 Lakhs @ Rs.14.54 Lakhs per quarter, 100 Foresters houses with a financial outlay of Rs.1119 Lakhs @ Rs.11.19 lakhs per house, and residential accommodation for 200 Forest Guard at an estimated cost of Rs. 1624 Lakhs @

Rs.8.12 lakhs per house. Total financial outlay for construction of residential accommodation of Range officer, Foresters and Forest guard is *Rs.3251.9 Lakhs*. Division wise details have been furnished in **Table-1.7.2**





#### **1.7.4 Seizure yard**

In this APO 2020-21, provisions has been made to construct two new seizure yards at a cost of Rs.12 lakhs per seizure yard for the safe custody of all valuable seized produce. The total financial outlay of Rs 24.00 lakh has been made for the above purpose.

#### **1.7.5 Construction, Up gradation and maintenance of Forest Road**

Provision has been made for the construction and maintenance of the Forest Road over 1000 Km @0.69 lakh per km and the total financial outlay of Rs 690 lakhs is made for the same. Details are given in the **Table 1.7.2**

#### **1.7.6 Culvert**

The provision has been made for the construction of 32 units of culverts in different Forest Divisions in APO 2020-21 @1.53 lakh per unit with a total financial outlay of Rs 48.96 lakh. The division wise details are given in the **Table 1.7.2**

#### **1.7.7 Causeway**

There is provision of 61 causeways in different Forest Divisions in APO 2020-21 @ 1.06 lakh each, having total financial outlay of Rs 64.66 lakh.

#### **1.7.8 Boundary wall**

The provision has been made for construction of 15000 Rmts of boundary wall in different Forest Divisions in APO 2020-21 @ 0.05 lakh per Rmt having total financial outlay of Rs 750.00 lakh.



### 1.7.9 Tube well

The proposal has been made for installation of 132 nos of tubewell to meet the drinking water requirement in different Forest Divisions in APO 2020-21 @ 1.00 lakh each having total financial outlay of Rs 132 lakh is proposed.

**The division wise details of the infrastructure development is given in Table 1.7.2.**

### 1.7.10. Implementation Schedule:

All the construction works take place in April to June and again from October to March.

### Abstract of Infrastructure Development Activities :

Sl No.	Name of Activity	Unit	Unit cost (Rs. In Lakhs)	Total Cost (Rs. In Lakhs)
1	Up-gradation and maintenance of Mega Nursery/ Permanent Nursery	39 no	3.98	155.22
2.	Construction of Range Offices	25 no	19.38	484.50
3	Range Officer's Residence	35 no	14.54	508.90
4	Forester Quarter	100 no	11.19	1119.00
5	Forest Guard Quarter	200 no	8.12	1624.00
6.	Seizure Yard	2 no	12.00	24.00
7	Construction, Up-gradation and maintenance of Forest Road (KM)	1000 km	0.69	690.00
8	Culvert	32	1.53	48.96
9	Cause Way	61 no	1.06	64.66
10	Boundary Wall	15000 RMT	0.05	750.00
11	Tube-well	132 no	1.00	132.00
	<b>Total :</b>			<b>5601.24</b>

Name of the Division	Table 1.7.2 DETAILS OF INFRASTRUCTURE TO BE DEVELOPED IN DIFFERENT DIVISIONS										DETAILS OF INFRASTRUCTURE TO BE DEVELOPED IN DIFFERENT DIVISIONS														
	Maintenance of Forest Road@ Rs.0.69 lakhs/k.m		Culvert @ Rs.1.53 lakhs/one		Cause Way @ Rs.1.06 lakhs/one		Range Officer's Residence @ Rs.14.54 lakhs/one		Range Office @ Rs.19.38 lakhs/one		Forester Quarter @ Rs.11.19 lakhs/one		Forest Guard Quarter @ Rs.8.12 lakhs/one		Maintenance of Permanente/ Mega Nursery & Rs.3.98 lakhs/one		Seizure Yard @ Rs.12.00 lakhs/one		Compound Wall (IN RMT) @ Rs.0.05 lakhs/RMT		Tubewell @ Rs.1.00 lakhs/one		Total		
	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Fin
Angul	20	13.80	0	0	0	0	1	14.54	1	19.38	2	22.38	5	40.60	1	3.98	0	0	800	40.00	11	11.00			165.68
Athmallik	40	27.60	6	9.18	9	9.54	0	0	0	0	2	22.38	2	16.24	1	3.98	0	0	700	35.00	8	8.00			131.92
Satkosia WL	0	0.00	0	0	0	0	0	0	1	19.38	2	22.38	4	32.48	0	0.00	0	0	0	0.00	0	0.00			74.24
Dhenkanal	55	37.95	0	0	0	0	0	0	1	19.38	2	22.38	4	32.48	1	3.98	0	0	300	15.00	5	5.00			136.17
Athgarh	100	69.00	0	0	0	0	1	14.54	0	0	2	22.38	4	32.48	1	3.98	0	0	0	0.00	0	0.00			142.38
Cuttack	0	0.00	0	0	0	0	1	14.54	0	0	2	22.38	4	32.48	0	0.00	0	0	0	0.00	0	0.00			69.40
Mahanadi WL	0	0.00	0	0	0	0	0	0	1	19.38	2	22.38	1	8.12	0	0.00	0	0	0	0.00	0	0.00			49.88
<b>Total-</b>	<b>215</b>	<b>148.35</b>	<b>6</b>	<b>9.18</b>	<b>9</b>	<b>9.54</b>	<b>3</b>	<b>43.62</b>	<b>4</b>	<b>77.52</b>	<b>14</b>	<b>156.66</b>	<b>24</b>	<b>194.88</b>	<b>4</b>	<b>15.92</b>	<b>0</b>	<b>0</b>	<b>1800</b>	<b>90.00</b>	<b>24</b>	<b>24.00</b>			<b>769.67</b>
Khurda	0	0.00	0	0	0	0	1	14.54	1	19.38	4	44.76	5	40.60	2	7.96	0	0	500	25.00	0	0.00			152.24
Puri WL	0	0.00	0	0	0	0	0	0	0	0	2	22.38	2	16.24	1	3.98	0	0	0	0.00	0	0.00			42.60
Rajnagar WL	0	0.00	0	0	0	0	1	14.54	1	19.38	1	11.19	3	24.36	0	0.00	0	0	0	0.00	0	0.00			69.47
Nayagarh	40	27.60	0	0	0	0	1	14.54	0	0	2	22.38	2	16.24	1	3.98	1	12.00	800	40.00	15	15.00			151.74
Chilika WL	0	0.00	0	0	0	0	0	0	1	19.38	1	11.19	2	16.24	0	0.00	0	0	0	0.00	0	0.00			46.81
Chandaka WL	0	0.00	0	0	0	0	0	0	0	0	1	11.19	1	8.12	0	0.00	0	0	0	0.00	0	0.00			19.31
City Forests	0	0.00	0	0	0	0	1	14.54	1	19.38	2	22.38	2	16.24	0	0.00	0	0	500	25.00	0	0.00			97.54
Bhadrakh WL	0	0.00	0	0	0	0	1	14.54	1	19.38	0	0	0	0.00	0	0.00	0	0	100	5.00	0	0.00			38.92
<b>Total-</b>	<b>40</b>	<b>27.60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>72.70</b>	<b>5</b>	<b>96.90</b>	<b>13</b>	<b>145.47</b>	<b>17</b>	<b>138.04</b>	<b>4</b>	<b>15.92</b>	<b>1</b>	<b>12.00</b>	<b>1900</b>	<b>95.00</b>	<b>15</b>	<b>15.00</b>			<b>618.63</b>
Phulbani	15	10.35	0	0	0	0	1	14.54	0	0	2	22.38	5	40.60	0	0.00	0	0	700	35.00	2	2.00			124.87
Baliguda	14	9.66	0	0	0	0	1	14.54	0	0	2	22.38	4	32.48	1	3.98	0	0	500	25.00	0	0.00			108.04
Boudh	107	73.83	8	12.24	8	8.48	0	0	0	0	1	11.19	4	32.48	1	3.98	1	12.00	500	25.00	4	4.00			183.20
Gh.South	51	35.19	0	0	0	0	0	0	0	0	2	22.38	4	32.48	2	7.96	0	0	700	35.00	3	3.00			136.01
Gh.North	0	0.00	0	0	0	0	0	0	1	19.38	3	33.57	5	40.60	1	3.98	0	0	0	0.00	0	0.00			97.53

Berhampur	0	0.00	0	0	0	0	1	14.54	0	0	3	33.57	3	24.36	1	3.98	0	0	0	0.00	0	0.00	76.45
Parlakhemundi	0	0.00	0	0	0	0	1	14.54	1	19.38	4	44.76	4	32.48	1	3.98	0	0	0	0.00	0	0.00	115.14
<b>Total-</b>	<b>187</b>	<b>129.03</b>	<b>8</b>	<b>12.24</b>	<b>8</b>	<b>8.48</b>	<b>4</b>	<b>58.16</b>	<b>2</b>	<b>38.76</b>	<b>17</b>	<b>190.23</b>	<b>29</b>	<b>235.48</b>	<b>7</b>	<b>27.86</b>	<b>1</b>	<b>12.00</b>	<b>2400</b>	<b>120.00</b>	<b>9</b>	<b>9.00</b>	<b>841.24</b>
Jharsuguda	0	0.00	0	0	0	0	0	0	0	0	2	22.38	3	24.36		3.98	0	0	0	0.00	0	0.00	50.72
Sambalpur	40	27.60	0	0	0	0	0	0	1	19.38	2	22.38	4	32.48	1	3.98	0	0	0	0.00	0	0.00	105.82
Rairakhol	58	40.02	0	0	0	0	0	0	1	19.38	3	33.57	4	32.48	1	3.98	0	0	0	0.00	0	0.00	129.43
Bargarh	30	20.70	1	1.53	5	5.30	0	0	0	0	1	11.19	3	24.36	1	3.98	0	0	500	25.00	10	10.00	102.06
Bamara WL	0	0.00	0	0	0	0	1	14.54	0	0	3	33.57	3	24.36	0	0.00	0	0	500	25.00	12	12.00	109.47
Hirakhud WL	0	0.00	5	7.65	0	0	0	0	0	0	2	22.38	3	24.36	0	0.00	0	0	250	12.50	0	0.00	66.89
<b>Total-</b>	<b>128</b>	<b>88.32</b>	<b>6</b>	<b>9.18</b>	<b>5</b>	<b>5.3</b>	<b>1</b>	<b>14.54</b>	<b>2</b>	<b>38.76</b>	<b>13</b>	<b>145.47</b>	<b>20</b>	<b>162.40</b>	<b>4</b>	<b>15.92</b>	<b>0</b>	<b>0</b>	<b>1250</b>	<b>62.50</b>	<b>22</b>	<b>22.00</b>	<b>564.39</b>
Sundargarh	0	0.00	0	0	0	0	1	14.54	0	0	3	33.57	4	32.48	1	3.98	0	0	400	20.00	2	2.00	106.57
Rourkela	40	27.60	0	0	0	0	1	14.54	1	19.38	2	22.38	4	32.48	1	3.98	0	0	200	10.00	2	2.00	132.36
Bonai	20	13.80	0	0	0	0	1	14.54	0	0	2	22.38	4	32.48	1	3.98	0	0	500	25.00	1	1.00	113.18
Deogarh	40	27.60	0	0	0	0	0	0	1	19.38	3	33.57	5	40.60	1	3.98	0	0	0	0.00	0	0.00	125.13
Keonjhar	16	11.04	1	1.53	5	5.30	0	0	0	0	1	11.19	4	32.48	1	3.98	0	0	550	27.50	9	9.00	102.02
<b>Total-</b>	<b>116</b>	<b>80.04</b>	<b>1</b>	<b>1.53</b>	<b>5</b>	<b>5.3</b>	<b>3</b>	<b>43.62</b>	<b>2</b>	<b>38.76</b>	<b>11</b>	<b>123.09</b>	<b>21</b>	<b>170.52</b>	<b>5</b>	<b>19.90</b>	<b>0</b>	<b>0</b>	<b>1650</b>	<b>82.50</b>	<b>14</b>	<b>14.00</b>	<b>579.26</b>
Baripada	0	0.00	0	0	0	0	1	14.54	0	0	1	11.19	5	40.60	1	3.98	0	0	0	0.00	0	0.00	70.31
Karanjia	40	27.60	0	0	0	0	1	14.54	0	0	1	11.19	5	40.60	1	3.98	0	0	500	25.00	2	2.00	124.91
Rairangpur	30	20.70	0	0	0	0	0	0	0	0	1	11.19	4	32.48	1	3.98	0	0	500	25.00	5	5.00	98.35
Balasure WL	0	0.00	0	0	5	5.30	0	0	0	0	1	11.19	2	16.24	0	0.00	0	0	300	15.00	0	0.00	47.73
<b>STR</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4.24</b>	<b>1</b>	<b>14.54</b>	<b>1</b>	<b>19.38</b>	<b>2</b>	<b>22.38</b>	<b>8</b>	<b>64.96</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>4</b>	<b>4.00</b>	<b>129.50</b>
Similipal North WL	0	0.00	0	0	8	8.48	2	29.08	2	38.76	3	33.57	12	97.44	0	0.00	0	0	700	35.00	8	8.00	250.33
Keonjhar WL	0	0.00	0	0	0	0	1	14.54	1	19.38	1	11.19	4	32.48	0	0.00	0	0	0	0.00	0	0.00	77.59
<b>Total-</b>	<b>70</b>	<b>48.30</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>18.02</b>	<b>6</b>	<b>87.24</b>	<b>4</b>	<b>77.52</b>	<b>10</b>	<b>111.9</b>	<b>40</b>	<b>324.80</b>	<b>3</b>	<b>11.94</b>	<b>0</b>	<b>0</b>	<b>2000</b>	<b>100.00</b>	<b>19</b>	<b>19.00</b>	<b>798.72</b>
Kalahandi(N)	20	13.80	0	0	5	5.30	1	14.54	1	19.38	2	22.38	5	40.60	1	3.98	0	0	500	25.00	12	12.00	156.98
Kalahandi (S)	12	8.28	0	0	0	0.00	0	0	1	19.38	2	22.38	5	40.60	1	3.98	0	0	500	25.00	1	1.00	120.62
Subarnapur	10	6.90	10	15.3	0	0.00	0	0	0	0	0	0	0	0.00	1	3.98	0	0	0	0.00	0	0.00	26.18

				0																				
Bolangir	52	35.88	0	0	5	5.30	1	14.54	1	19.38	1	11.19	5	40.60	1	3.98	0	0	500	25.00	6	6.00	161.87	
Khariar	35	24.15	0	0	0	0.00	0	0	0	0	1	11.19	4	32.48	1	3.98	0	0	0	0.00	0	0.00	71.80	
Sunabeda WL	0	0.00	0	0	0	0.00	0	0	0	0	2	22.38	3	24.36	0	0.00	0	0	0	0.00	0	0.00	46.74	
<b>Total-</b>	<b>129</b>	<b>89.01</b>	<b>10</b>	<b>15.30</b>	<b>10</b>	<b>10.60</b>	<b>2</b>	<b>29.08</b>	<b>3</b>	<b>58.14</b>	<b>8</b>	<b>89.52</b>	<b>22</b>	<b>178.64</b>	<b>5</b>	<b>19.90</b>	<b>0</b>	<b>0</b>	<b>1500</b>	<b>75.00</b>	<b>19</b>	<b>19.00</b>	<b>584.19</b>	
Rayagada	40	27.60	0	0	0	0.00	1	14.54	1	19.38	2	22.38	4	32.48	1	3.98	0	0	500	25.00	1	1.00	146.36	
Koraput	40	27.60	0	0	0	0.00	2	29.08	1	19.38	3	33.57	6	48.72	1	3.98	0	0	500	25.00	5	5.00	192.33	
Jeypore	10	6.90	0	0	2	2.12	1	14.54	1	19.38	2	22.38	4	32.48	1	3.98	0	0	500	25.00	0	0.00	126.78	
Nowrangpur	25	17.25	1	1.53	5	5.30	1	14.54	0	0	2	22.38	4	32.48	1	3.98	0	0	500	25.00	3	3.00	125.46	
Malkangiri	0	0.00	0	0	0	0.00	2	29.08	0	0	2	22.38	4	32.48	1	3.98	0	0	500	25.00	1	1.00	113.92	
<b>Total-</b>	<b>115</b>	<b>79</b>	<b>1</b>	<b>1.53</b>	<b>7</b>	<b>7.42</b>	<b>7</b>	<b>101.78</b>	<b>3</b>	<b>58.14</b>	<b>11</b>	<b>123.09</b>	<b>22</b>	<b>178.64</b>	<b>5</b>	<b>19.9</b>	<b>0</b>	<b>0</b>	<b>2500</b>	<b>125.00</b>	<b>10</b>	<b>10.00</b>	<b>704.85</b>	
DFT Angul	0	0.00	0	0	0	0	0	0	0	0	0	0	2	16.24	0	0.00	0	0	0	0.00	0	0.00	16.24	
TS Champua	0	0.00	0	0	0	0	1	14.54	0	0	0	0	0	0.00	0	0.00	0	0	0	0.00	0	0.00	14.54	
TS G.Udayagiri	0	0.00	0	0	0	0	1	14.54	0	0	1	11.19	0	0.00	0	0.00	0	0	0	0.00	0	0.00	25.73	
silv.BBSR	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0.00	1	3.98	0	0	0	0.00	0	0.00	3.98	
Silva Rayagada	0	0.00	0	0	0	0	2	29.08	0	0	2	22.38	3	24.36	1	3.98	0	0	0	0.00	0	0.00	79.80	
<b>Total-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>58.16</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>33.57</b>	<b>5</b>	<b>40.60</b>	<b>2</b>	<b>7.96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140.29</b>	
<b>Grand Total-</b>	<b>1000</b>	<b>690.00</b>	<b>32</b>	<b>48.96</b>	<b>61</b>	<b>64.66</b>	<b>35</b>	<b>508.9</b>	<b>25</b>	<b>484.50</b>	<b>100</b>	<b>1119.0</b>	<b>200</b>	<b>1624.0</b>	<b>39</b>	<b>155.22</b>	<b>2</b>	<b>24.00</b>	<b>15000</b>	<b>750.00</b>	<b>132</b>	<b>132.00</b>	<b>5601.24</b>	

## 1.8 RESEARCH AND DEVELOPMENT

The main activities proposed under Research are production of QPM of non-teak indigenous species, creation of research plots on RET/medicinal/indigenous species, silvicultural research, Root trainer seedlings, contingency for maintenance of research station etc. For this an outlay of Rs.220.00 lakh has been provisioned in the present plan.

<b>Sl No.</b>	<b>Name of the Item</b>	<b>Silva Bhubaneswar</b>	<b>Silva Raygada</b>	<b>Total (Rs. In lakh)</b>
1	Creation of Research Plots on RET/medicinal/ indigenous species	20.00	10.00	30.00
2	Silvicultural Research	50.00	45.00	75.00
3	Production of QPM of non-teak indigenous species	30.00	20.00	50.00
4	Maintenance of Plus trees, collection of quality seeds	10.00	10.00	40.00
5	Contingency	10.00	15.00	25.00
	<b>TOTAL</b>	<b>120.00</b>	<b>100.00</b>	<b>220.00</b>

## 1.9 TRAINING & CAPACITY BUILDING

**1.9.1** Provision has been made to strengthen the training College/Schools for Forest Guards, Foresters and Forest Range Officers. The training College/Schools are FRC Angul, FTS, G.Udaygiri, FTS, Champua, FTS, Ghatikia and. Rs. 4 Cr has been planned for training and exposure visit, infrastructural support and contingency in the present APO. Trainings are required for the officers at all levels and also there is a need to understand the best practices done within and outside the state.

<b>Sl No.</b>	<b>Name of the Activity</b>	<b>FRC, Angul</b>	<b>FTS, G. Udayagiri</b>	<b>FTS, Champua</b>	<b>FTS, Ghatikia</b>	<b>Total (lakhs)</b>
1	Training & Exposure visits	50.00	50.00	50.00	50.00	200.00
2	Infrastructural support to organize training	25.00	25.00	25.00	25.00	100.00
3	Training contingency	25.00	25.00	25.00	25.00	100.00
	<b>TOTAL</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>400.00</b>

## 1.9.2 Capacity Building

Importance of capacity building in shape of different training to equip the Forestry personnel at various levels with desired knowledge and technical competence needs no elaboration. The fast changing forestry scenario at local, national and at global level makes the training needs more pronouncing.

Soil and Moisture conservation in forest areas plays a key role in management and development of forest. These works have become crucial for provision of clean drinking water to the villagers living in the adjoining areas of the forest and also to enhance the water table in the region. The cutting edge staff who are implementing the activities need to be trained in order to take up the job scientifically. Hence it is decided to organize training modules with technical experts to the frontline staff. Also staff needs to be sensitized on the successful models across the country.

There has been a growing demand for supply of arms to forest personnel at the cutting edge level mainly for self defence and to deal with heavily armed smugglers often equipped with deadly weapons. However, such staff lacks adequate knowledge for the use of the arms supplied to them since there is no provision for regular training and target practice as it is available to police personnel. There is also need for proper understanding of the legal provisions for all the frontline staff who are in the protection job. In order to bridge the gap, it is proposed to impart arms training with the help of District Police Administration in each Territorial Division. The training is proposed to be of two days duration which will make the frontline staff acquainted with the use and maintenance of arms and regular target practice.

There are gaps in the understanding and appreciation of Forest Acts and Rules at the level of Forest Guards and Foresters especially with the enactment of new acts and modifications in the existing rules. Forestry sector boundaries have also changed over a period of time. One day training module has been planned for the frontline staff.

Specialized training on technical forestry matter having a wide coverage of day to day forestry activities such as nursery techniques, watershed management, silviculture, community participation, natural resource management etc. has also been planned at Range level every year. There will be a special training module as a part of this programme to enhance the capacity of the forest staff for better and effective communication with village communities and larger civil society.

To develop capacity building of the frontline staff, training programmes in different divisions will be taken up with resource persons for which a provision of Rs.1.00 crore has been kept in this APO.

## **1.10 FOREST IT & GEOMATICS**

Forest Information Technology & Geomatic Centre (FITGC) has been developed in the State Forest Hqrs which plays a key role in forests and wildlife management and its protection. In the said centre, monitoring of different activities like forest and wildlife protection, forest fire, activities undertaken under CAMPA funding through e-Green Watch, afforestation etc. is being taken up. In the forest protection, more focus is given on foot patrolling by frontline staff which is also being monitored in the above centre. On an average, 80,000 KMs of foot patrolling is being done by the frontline staff per month using GPS-PDA and android based mobile loaded with appropriate apps which is being monitored online. The forest fire monitoring is being done on MODIS and SNPP satellite platform in the above centre. There are 23 different apps for implementation / monitoring of different activities aimed towards better forest management and protection. To control/monitor all the above activities, a Geomatic and other CIT Infrastructure has been installed in the Forest Hqrs FITGC Cell which is being utilized for the purpose and about 10 TB data is being managed in the FITGC Cell.

Customized GAGAN enabled GPS-PDA devices has been provided to all the Ranges in the field and is being utilized for operating different forestry applications being used for forest and wildlife management and protection. Mobile sets are being also utilized by the field functionaries for using the above forestry applications.

It has been proposed to take up DGPS survey using GIS and remote sensing of all forest land in a phased manner within next 4 years. The total targeted area is 60,991 Sq.Kms which is to be surveyed. The main purpose of the above activity is to develop an "enterprise class GIS based decision support system" for all the forest land in the state of Odisha as mandated by Hon'ble Supreme Court. It will help in managing and protecting the entire forests of Odisha which may be within the control of Forest Department or Revenue Department.

To take up the above activities the financial outlay in the present Plan is fixed at Rs.2000 lakh.

## **1.10 MONITORING AND EVALUATION**

There are several ways in which monitoring and evaluation is done. The details are given below:



### **1.11.1 Conventional Monitoring Methodology:**

There are several measures are being taken for the monitoring of implementation of projects during the project implementation stage and evaluation of the works done after completion of the works to learn more on the working system. Monitoring of the projects starts at the Range office level. The physical and financial monitoring, online IFMS working, payments through online mode, uploading the works done, monitoring the foot patrolling data, fire point data is done on day to day basis at the Ranges. Further, it is regularly supervised by the ACF and DFO of the Division, RCCF of the Circle. In addition, officers at the Addl PCCF and CCF level at the PCCF office are designated to supervise the field works of different circles. PCCF takes regular meetings through video conferencing.

As per the codal provision of the Forest Department, the Divisional Forest officer of the concerned Division has to ensure an internal monitoring mechanism within his Division for the verification of the project scrupulously. He has to ensure timely completion of the projects and strict fiscal discipline. As per the codal provision, Odisha Forest Departmental Code, the works are to be inspected by the field officers at regular intervals. They do the inspections, study and analyze the field position and give the directions to the field staff for further improvisation. While executing the projects, there is responsibility of all the officers to ensure the field works are done properly. Even muster rolls are checked by Range officer (50%), ACF (20%), DFO (10%) in each and every activity.

### **1.11.2 Use of Technology in Monitoring:**

Technology is being used in a big way for the monitoring activities. GIS labs have come up at different offices and there are several apps developed by the Forest Information Technology & Geomatic Centre (FITGC) located in the PCCF office. More focus is given on the foot patrolling especially in the night times. There are dedicated groups to monitor the foot patrolling, it is observed that on an average 1,00,000 KMs of foot patrolling is being done by the frontline staff per month using GPS-PDA and android based mobile loaded with appropriate apps which is being monitored through online. The forest fire monitoring is being done on MODIS and SNPP satellite platform in the above centre. There are 23 different apps for implementation / monitoring of different activities aimed towards better forest management and protection. To control/monitor all the above activities, a Geomatic and other CIT Infrastructure has been installed in FITGC. Customized GAGAN enabled GPS-PDA devices has been provided to all the front line field functionaries in the field and is being

utilized for operating different forestry applications which is being used for forest and wildlife management and protection. Mobile sets are being also utilized by the field functionaries for using the above forestry applications. The most alarming hazards of the current scenario is man-elephant conflict which is properly addressed in many a instances through the above said apps and at various places. At Division and circle level of forest Department control rooms are installed to assess the monitoring of elephant depredation. Co-ordination meeting with different organizations are regularly done to combat alaraming situation of man-animal conflict. The above system is very handy and easily applicable by the front line staffs and can address to the situations.

#### **1.11.3 Fiscal Monitoring:**

This is a very important aspect of monitoring activities. It needs expertise to monitor the fiscal discipline in the IFMS portal, submission of online accounts to Accountant General, Making direct benefit transfer using either IFMS platform or some other mechanism and ensure the payments are sent directly to the bank accounts of the beneficiaries. For doing all these activities professional help is sought for in all the Divisions, Ranges. Also recently a tender has been floated for appointing auditors to strengthen internal auditing mechanism. This will be in complete application from 2020-21.

#### **1.11.4 Third Party Monitoring:**

It has been envisaged in the CAMPA guidelines that all the activities done under CAMPA are to be monitored and evaluated by an independent 3<sup>rd</sup> party organization to assess the quality as well as effective utilization of funds and physical achievement for preservation & development of natural forest, afforestation of degraded forest, forest protection, forest fire management, management of wildlife, capacity building, research and development, infrastructure development & all other allied activities till inception of CAMPA. The third party will technically evaluate those ongoing activities. Considering the eligibility criteria, legal entity, capacity of the contract, M/s CTRAN Consulting Ltd. being the lowest tenderer has been selected as 3<sup>rd</sup> party to evaluate the projects. The evaluation parameters are mentioned in the job chart of 3<sup>rd</sup> party to workout the monitoring evaluation process. They have already submitted inception report in February 2019, Interim report in September 2019 and the draft final report. The findings of the report will be shared with the Ministry quickly.

To carry out different monitoring and evaluation works, in APO 2020-21a provision has been made for Rs 500 lakh.

## **2. UTILISATION OF INTREST MONEY**

Rule 6 of Compensatory Afforestation Fund Rule 2018 has clearly indicated the modalities of spending the interest money accrued. The Rule clearly categorized the activities under two broad components, 60% and 40% in 6 (a) and 6(b), the details of the activities elaborated below:

**(a)** Not less than sixty per cent. of the interest transferred to the State Fund and further accrued on the amount available in the State Fund referred to in sub-rule (1) shall be spent on activities for the Purpose of conservation and development of forest and wildlife namely

- i) To offset the incremental cost of compensatory afforestation and penal compensatory afforestation at the increased wage rates;
- (i) To offset the incremental cost of catchment area treatment plan at the increased wage rates;
- (ii) to offset the incremental cost of wildlife management plan at the increased wage rates
- (iii) For disbursement of salary and allowances of members and staffs, both regular and contractual of the State authority.
- (iv) For disbursement of sitting fees and allowances to nominated members of the State Authority
- (v) Activities referred to in sub-rules (2) and (3) of rule 5

**(b)** Not more than 40% of the interest transferred to the State Fund and further accrued on the amount available in the State Fund shall be spent for the non-recurring and recurring expenditure of the State Authority, namely:

- (i) Management of Office Establishment
- (ii) Office Equipment including computers and peripherals and its maintenance for the State Authority
- (iii) Hiring of staff cars for the use of the officers and officials of the State Authority
- (iv) Hiring of buildings on lease for the office establishment and residences of the officers of state authority
- (v) Other contingencies for the management of the State Authority, with the approval of the steering committee of the state authority
- (vi) Any other activity for the management of the forests and wildlife not refereed to in sub-rule (2) and (3) with the prior approval and the steering committee of the state authority and included in the APO.

### **2.1 Activities Proposed under 60% Interest**

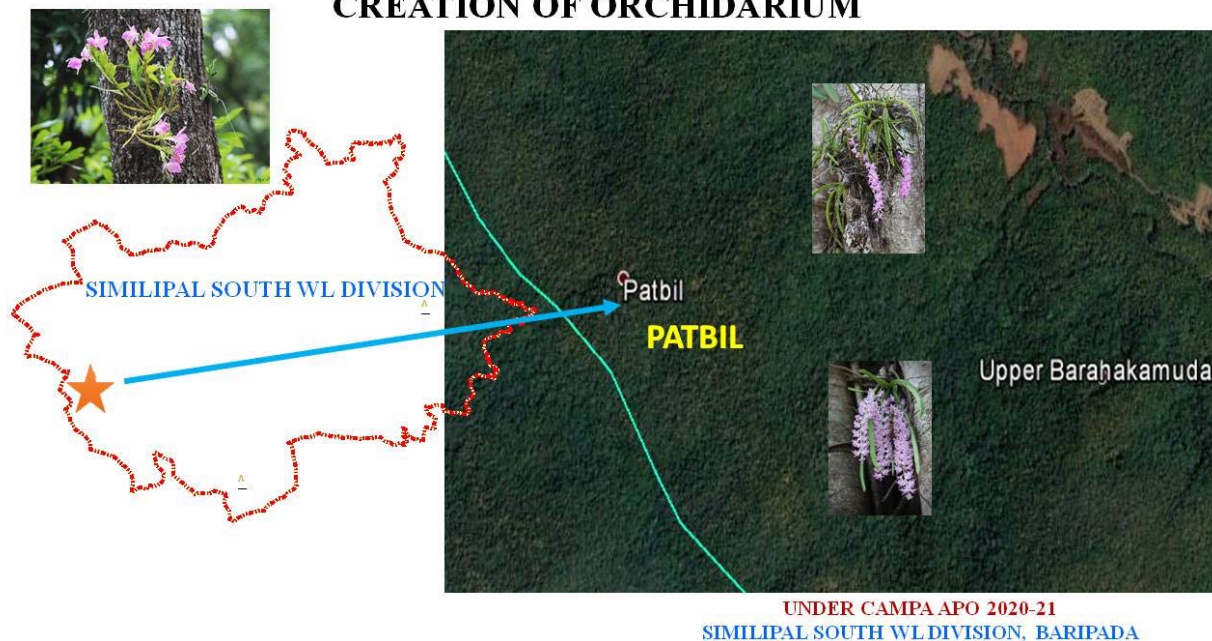
#### **2.1.1 Orchadorium:**

Orchid house is called a heaven for nature lovers. Orchids are diverse and widespread family of flowering plants, with blooms that are often colourful and fragrant ,known as orchid family. All orchids are perennial herbs without woody structure. About 1331 species in 186 genera of orchids are identified; out of which 137 species in 50 genera have been identified. Orchids are indicators of healthy forest. Due to anthropogenic pressure, forest fire, deforestation etc, the orchid population has been declined in Odisha. Now it has become a herculean task to conserve the orchids and in this direction an Orchadorium has been proposed to develop in Similipal.

Similipal National park is a National park and a Tiger reserve in Mayurbhanj District of Odisha is the treasure of aromatic orchids having 97 species that includes 44 terrestrial species and 53 epiphytic species. It harbours two endemics; *Eria meghasaniensis* and *Bulbophyllum panigrahium*. Similipal has moist and humid climate with presence of other exotic species offer a perfect environment for orchids to grow and nurture. Considering the landscape, confluences of perennial waterfalls and emergence of different rivers, Similipal is best suited for orchadorium. An amount of Rs 30 lakh has been placed in this APO for orchidarium in Similipal.

<b>Identified Orchidarium site</b>	<b>Division</b>	<b>Geo locations</b>	<b>Cost (Lakhs)</b>
Patbil	UBK range of Similipal South Division	21 40 41.25 86 15 33.9	30

## CREATION OF ORCHIDARIUM



### 2.1.2 SPECIAL MIYAWAKI METHOD OF PLANTATION

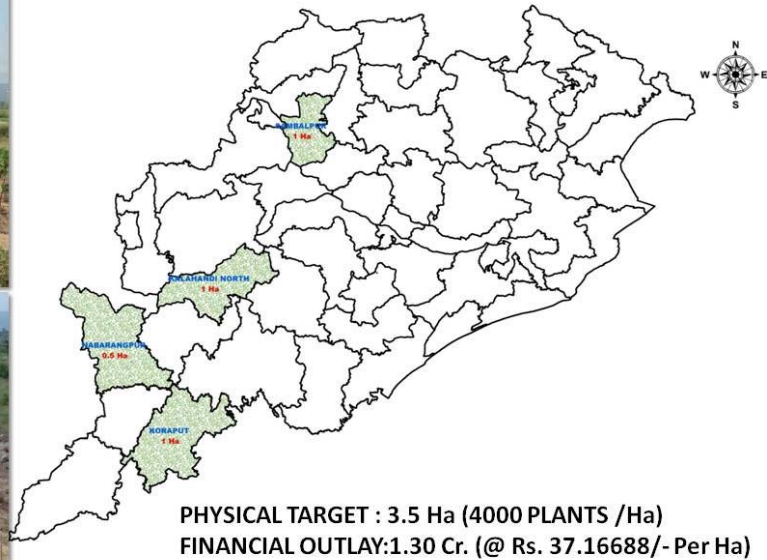
Dr. Akira Miyawaki, Japanese botanist has developed a pioneer technique for restoration of natural vegetation on degraded land by planting native indigenous species in a short time span. It is a revolutionising concept of urban plantation to create mini forest by randomly placing saplings in degraded lands. In contrast to conventional planting techniques, this method allows planting of more number of trees in small spaces. In these techniques, the saplings grow 10 times faster, free of chemicals & fertilisers and having minimum maintenance. In this method quality of soil is analyzed and biomass which helps enhancing the perforation capacity, water retention and nutrient in it are induced for better growths and establish the forest cover within short period. Miyawaki method has been widely spread all over world to achieve indigenous mini forest at very shortest time period.

In this APO 2020-21, the aforesaid pioneer technique was decided to be experimented in degraded patches of Malkangiri, Koraput, Sambalpur and Kalahandi North Forest Divisions. Based on its success, call will be taken to replicate in other Forest Divisions. In APO 2020-21 3.5 ha area has been proposed to take up under Miyawaki method of plantation. Financial allocation of Rs 130.08 lakh has been made for the same as per site specific requirement @ 37.16688 lakh per ha. The division wise details are given in the following table.

**Table 2.1.2 DIVISION WISE & LOCATION WISE DETAILS OF MIYAWAKI PLANTATION**

Sl No	Name of the Division	Location	Area in Ha.	Fin Target (Lakhs)	Geo Co-ordinates	
1	Sambalpur	Potapali VF	1	37.17	N-21-26-55.56	E-83-55-31.07
2	Kalahandi (N)	Kutrukhai	1	37.17	N19 05 48.3	E83 08 27.8
3	Koraput	Sapara - B	1	37.17	N18.81842	E82.68044
4	Malkangiri	Balimela NAC	0.5	18.58	N 18.22727	E 82.08529
		<b>Grand Total-</b>	<b>3.5</b>	<b>130.08</b>		

**DETAILS OF MIYAWAKI PLANTATION PROPOSAL IN APO 2020-21**



**2.1.3 Protection, Conservation of Pure Stand and RET species**

There are problems of deforestation and also decline in the quality of the forest. Many valuable species are getting depleted day by day due to several reasons. In Odisha there is several beautiful patches of natural forests having abundance of some pure patches of Xylia xylocarpa, Sandal wood, Red Sandars, Asan, Arjun, Dhaura, Kendu, etc. Some special efforts are required to protect these patches and steps are necessary to prevent their loss permanently from the forest. This is a new project initiative to conserve and protect some species in the natural forests in 13 divisions. In two divisions, Phulbani and Rayagada gap

plantations @200 plants/ ha is also proposed in addition to the protection. The norms of ANR plantation without gap are followed along with vegetative fencing.

In Kalahandi South Forest Division and Athgarh Divisions project proposal is for protection of *Xylia xylocarpa*. Locally called as *Kangada* tree, produces hardwood for which classified as '**Iron wood**' with its name referring to use as traditional cart making in India. It is a deciduous tree with dense crown. It is a fodder plant for lac insects. It is a fire resistant and regenerate well after fire. This species has got symbiotic relationship with some soil bacteria which form nodules in roots for fixing atmospheric nitrogen which is utilised for growing plants. It has got high medicinal value, the bark contains tannis and astringent. It is also used in treatment of leprosy, vomiting, diarrhoea, ulser and seed oils are very useful in case of leprosy, piles and rheumatism etc. The seed are edible. The timber grains are hard & interlocked and very strong. Considering the valuable aspect of the said plant it has been decided to take up special protection, silvicultural interventions to safe gaurd the pure patches. A pure patch of 5 ha land in Kalahandi South Division and 100 ha in Athgarh Divsion has been identified to protect with special care under this APO 2020-21.

In Phulbani and Rayagada divisions few patches having gaps are recommended for plantation of Sandalwood. Rampant smuggling of sandalwood has endangered the species and it will soon disappear unless specific protective measures are not taken. There is abundance growth of *sandalwood* trees in Semiliguda areas of Rayaguda Division which is under threat due to severe biotic interference. Being worried over the decreasing number of *sandalwood* trees, the vanasurakshya samiti, Semiligudal and Forest department jointly took steps to to protect the young plantations. Strong protection measures were taken to save the valuable trees from smugglers and a patch of 100 ha of area having vulnerable growth of sandalwood entrusted to the VSS. Out of 100 ha, 20 ha area having gaps is proposed to take up gap plantation @200 plants per with strict protection measure and other silvicultural operations. It will definitely enhance the growth of sandalwood patch within a short span. Hence, in APO 2020-21 the said area has been taken for treatment and fund allocation has been made for the purpose. Similary in Phulbani division, gap plantation is suggested over 65 ha area. In addition, in 290 ha area in three divisions it is recommended for the protection of the existing Sandal wood forest.

In southern Odisha in Parlakhmundi division there are Red Sandars, *Pterocarpus santalinus*, commonly known as Rakta Chandan. Red sandal is having high demand in preparing

medicines, handicraft, furniture and perfume. These trees are subjected to indiscriminate felling and hence there is a need for special protection drive required to protect these pure patches. Hence in this APO an area of 48 ha is proposed for protection of Red Sandars.

In Gandhamardan R.F of Bolangir forest Division, there is huge natural growth of Asan, Dhaura, Sal, Bija and kendu in ground, middle story in the forest. The top story trees mostly destroyed due to biotic interference. Mother trees are in vanishing stage. It is now high time to protect such indigenous pure patches for future generation. Hence proposed for its conservation and protection over 100 ha in APO 2020-21 in Gandhamardan R.F of Bolangir Division.

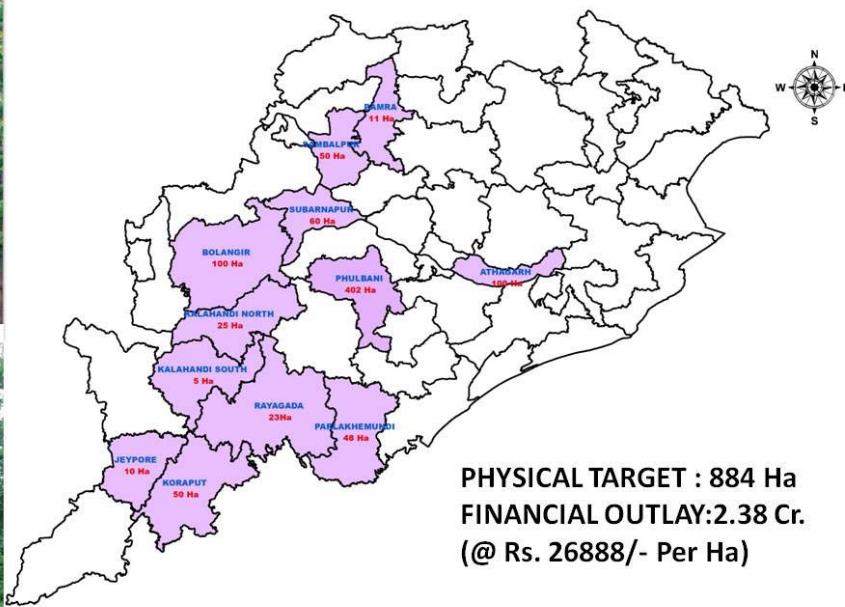
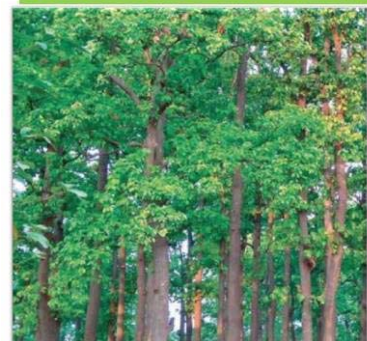
Similarly in other divisions, Bija, Bandhan are pure patches are identified for special protection measures. Thus in all locations are identified in 13 divisions and the total cost of the project for protection of pure patches is Rs. 2.38 Cr. The details are furnished in the following table and the location wise details are given in the **Annexure III-XX**

### PROTECTION OF PURE STRAND





**DETAILS OF PROTECTION/CONSERVATION OF RET SPECIES OF PURE STRAND IN APO 2020-21**



**PHYSICAL TARGET : 884 Ha**  
**FINANCIAL OUTLAY: 2.38 Cr.**  
**(@ Rs. 26888/- Per Ha)**

**Table 2.1.3 DIVISION WISE DETAILS OF PROTECTION OF PURE PATCHES OF RET SPECIES**

Circle	Name of the Division	Conservation with gap plantation ( 200 plants/ ha) @ Rs. 0.43594/ha		Protection of Patches with RET Sps (@ Rs.0.25112 /Ha.)		Name of the Species being protected	Total Outlay (Rs. in lakh)
		Phy.	Fin.	Phy.	Fin.		
Angul	Athgarh	0	0	100	25.11	Xylia	25.11
Berhampur	Phulbani	65	28.34	237	59.52	Sandalwood	87.85
	Gh. South	0	0.00	100	25.11	Bija Sal	25.11
	Parlakhemundi	0	0	48	12.05	Red Sanders	12.05
	<b>Total-</b>	<b>65</b>	<b>28.34</b>	<b>385</b>	<b>96.68</b>		<b>125.02</b>
Sambalpur	Sambalpur	0	0	50	12.56	Bija, Bandhan	12.56
	Bamara WL	0	0	11	2.76	Bandhan	2.76
	<b>Total-</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>15.32</b>		<b>15.32</b>
Bhawanipatna	Kalahandi( N)	0	0	25	6.28	Bija Sal	6.28
	Kalahandi (S)	0	0	5	1.26	Xylia	1.26
	Subarnapur	0	0	60	15.07	Bija Sal	15.07
	Bolangir	0	0	100	25.11	Bija, Dhoura, Asan, Moi, Kendu	25.11
	<b>Total-</b>	<b>0</b>	<b>0</b>	<b>190</b>	<b>47.71</b>		<b>47.71</b>
Koraput	Rayagada	20	8.72	3	0.75	Sandalwood	9.47
	Koraput	0	0	50	12.56	Sandalwood	12.56
	Jeypore	0	0	10	2.51	Morinda,	2.51
	<b>Total-</b>	<b>20</b>	<b>8.72</b>	<b>63</b>	<b>15.82</b>		<b>24.54</b>
	<b>Grand Total-</b>	<b>85</b>	<b>37.06</b>	<b>799</b>	<b>200.64</b>		<b>237.70</b>

#### **2.1.4 Raising of 18 months old seedlings (Outlay for 12 month under APO 2020-21)**

The enrichment of the greenery by supplementing massive plantations in and around the forest areas is the most effective mechanism for enhancing the green cover in Odisha. It can act as carbon sink, stabilizes soil, purify air and reduces greenhouse effect. The Kyoto Protocol envisaged reducing the onset of global warming by reducing greenhouse gas concentrations in the atmosphere to a level that would prevent dangerous anthropogenic interference with the climate systems. Thus, carbon sequestration is required for storage of carbon dioxide or other forms of carbon to mitigate global warming and to avoid adverse impact of climate change. The Paris agreement of UNFCCC also envisages creation of additional carbon sink through afforestation activities.

It is proposed to raise 2 crore 18 months old seedlings in different nurseries of various Divisions of the State under APO 2020-21 for plantation programme during 2021-22 planting season. Rs 3664 lakh has been proposed to be spent during APO 2020-21 for raising 2 crore seedlings. Division wise details are given in the following table:

#### **2.1.5 Raising of 6 months old seedlings for distribution during 2020-21**

Odisha is effected with vagaries of nature every year. In the previous year Fani cyclone has taken a heavy toll on the natural resources of the State. As a forester, we have to look beyond the forest boundaries to develop forests. In this gigantic task involvement of people, public representatives, school children, NGOs, village level institutions, hospitals, civil society, resident welfare associations, etc is necessary. Hence in this APO it is proposed to raise one Crore of 6 months old seedlings at a cost of Rs.1310 lakh for distribution to the villagers/VSSs for plantation in their vacant land during the planting season.

The details of Division wise target of raising 18<sup>th</sup> months and 6 months old seedlings are furnished in the following Table-

**Table 2.1.4 Division-wise target of seedling to be raised under APO 2020-21**

Circle	Name of the Division	18 months old Seedlings	6 months old seedlings	Cost outlay (Rs. In lakh)	
				18 months @ Rs.18.32 P	6 months @ Rs.13.10 P
Angul	Angul	500,000	200,000	91.60	26.20
	Athmallik	500,000	200,000	91.60	26.20
	Satkosia WL	100,000	0	18.32	0
	Dhenkanal	500,000	200,000	91.60	26.20
	Athgarh	500,000	200,000	91.60	26.20
	Cuttack	500,000	200,000	91.60	26.20
	Mahanadi WL	100,000	0	18.32	0
	<b>Total -</b>	<b>2,700,000</b>	<b>1,000,000</b>	<b>494.64</b>	<b>131.10</b>
BBSR	Khurda	500,000	200,000	91.60	26.20
	Puri WL	200,000	200,000	36.64	26.20
	Rajnagar WL	200,000	200,000	36.64	26.20
	Nayagarh	500,000	200,000	91.60	26.20
	Chilika WL	200,000	200,000	36.64	26.20
	Chandaka WL	200,000	200,000	36.64	26.20
	City Forests	400,000	200,000	73.28	26.20
	Bhadrak WL	200,000	200,000	36.64	26.20
		<b>Total -</b>	<b>2,400,000</b>	<b>1,600,000</b>	<b>439.68</b>
Berhampur	Phulbani	500,000	200,000	91.60	26.20
	Baliguda	500,000	200,000	91.60	26.20
	Boudh	500,000	200,000	91.60	26.20
	Gh.South	500,000	300,000	91.60	39.30
	Gh.North	500,000	300,000	91.60	39.30
	Berhampur	500,000	200,000	91.60	26.20
	Parlakhemundi	500,000	200,000	91.60	26.20
	<b>Total -</b>	<b>3,500,000</b>	<b>1,600,000</b>	<b>641.20</b>	<b>209.60</b>
Sambalpur	Jharsuguda	300,000	200,000	54.96	26.20
	Sambalpur	500,000	200,000	91.60	26.20
	Rairakhol	500,000	200,000	91.60	26.20
	Bargarh	500,000	200,000	91.60	26.20
	Bamara WL	200,000	200,000	36.64	26.20
	Hirakhud WL	200,000	200,000	36.64	26.20
	<b>Total -</b>	<b>2,200,000</b>	<b>1,200,000</b>	<b>403.04</b>	<b>157.20</b>

<b>Rourkela</b>	Sundargarh	400,000	200,000	73.28	26.20
	Rourkela	400,000	200,000	73.28	26.20
	Bonai	400,000	200,000	73.28	26.20
	Deogarh	400,000	200,000	73.28	26.20
	Keonjhar	400,000	200,000	73.28	26.20
	<b>Total -</b>	<b>2,000,000</b>	<b>1,000,000</b>	<b>366.40</b>	<b>131.00</b>
<b>Baripada</b>	Baripada	400,000	200,000	73.28	26.20
	Karanjia	400,000	200,000	73.28	26.20
	Rairangpur	400,000	200,000	73.28	26.20
	Balasore WL	200,000	200,000	36.64	26.20
	STR	200,000	200,000	36.64	26.20
	STR North WL	200,000	200,000	36.64	26.20
	Keonjhar WL	200,000	200,000	36.64	26.20
	<b>Total -</b>	<b>2,000,000</b>	<b>1,400,000</b>	<b>366.40</b>	<b>183.40</b>
<b>Bhawanipatna</b>	Kalahandi( N)	500,000	200,000	91.60	26.20
	Kalahandi (S)	500,000	200,000	91.60	26.20
	Subarnapur	500,000	200,000	91.60	26.20
	Bolangir	500,000	200,000	91.60	26.20
	Khariar	500,000	200,000	91.60	26.20
	Sunabeda WL	200,000	200,000	36.64	26.20
	<b>Total -</b>	<b>2,700,000</b>	<b>1,200,000</b>	<b>494.64</b>	<b>157.20</b>
	<b>Koraput</b>	Rayagada	500,000	200,000	91.60
Koraput		500,000	200,000	91.60	26.20
Jeypore		500,000	200,000	91.60	26.20
Nowrangpur		500,000	200,000	91.60	26.20
Malkangiri		500,000	200,000	91.60	26.20
<b>Total -</b>		<b>2,500,000</b>	<b>1,000,000</b>	<b>458.00</b>	<b>131.00</b>
	<b>Grand Total-</b>	<b>20000000</b>	<b>10000000</b>	<b>3664.00</b>	<b>1310.00</b>

## 2.1.6 Sowing of bamboo seeds

Bamboo is considered as poor man's wood. There is a huge demand for Bamboo and also there is requirement of Bamboo for wildlife. There are lot of deprecation cases of wildlife and there is a huge man animal conflict in Odisha. Bamboo plantations are being done in the state but there are issues in the survival percentage of bamboo plantation and also it has limited potential. Hence it has been decided to give a try for sowing of bamboo seeds during rainy season inside forest so that the bamboo will be allowed to grow naturally by facing all the natural hazards and the survival of the fittest concept is used in this case to grow bamboo in the forest. In CAMPA in APO 2020-21 this sowing of the bamboo seeds is proposed over an area of 1030 ha in 4vdifferent forest Divisions. These divisions are selected because there is huge man animal conflict here and there is predominance of elephant problem here. The cost norms are arrived in the following way. 4kg seeds are sown in one ha and two mandays are required for sowing. The cost of 1kg seed is Rs.450 and the two mandays cost is Rs. 596 and hence the cost per ha becomes Rs.2396. The total financial outlay for this project is Rs. 24.67 lakhs, with a cost norm @ Rs 2396/- per ha. Division wise and location wise details are given in the following table

<b>S.No.</b>	<b>Division</b>	<b>Location</b>	<b>Area (ha)</b>	<b>Fin Target (Lakhs)</b>	<b>Geo Co-ordinates</b>	
1	Dhenkanal	kandhara RF	100		20 34 28.17	85 18 39.74
		Kapilash RF	200		20 42 21.84	85 40 43.89
		<b>Total-</b>	<b>300</b>	7.19		
2	Athmallik	Northern RF Compt. 3	50		20 02 22.49	84 29 34.68
		Northern RF Compt. 10	20		20 44 29.9	84 39 27.7
		Halidhara RF	20		20 78 30.4	84 53 48
		Northern RF Compt. 49	30		20 77 00.4	84 05 64.19
		Handupa RF Compt. 5	50		20 58 46.7	84 42 45.3
		Handupa RF Compt. 10	60		20 46 00.5	84 39 50.2
		<b>Total-</b>	<b>230</b>	5.51		
3	Athgarh	Kalicha ballav RF	50		20 28 36.4	85 29 05.7

		Baniabandha Rf	50		20 38 50	85 48 27.6
		<b>Total-</b>	<b>100</b>	2.40		
4	Cuttack	Mahavinayak RF	50		20 41 39	86 05 48
		Nalida PRF 50	50		20 41 32	86 00 36
		Kalakala PRF	50		20 40 12.2	85 58 07.7
		Dalijoda Rf	50		20 39 15	85 52 04
		Daitary DPF	100		21 08 3.95	85 43 5.34
		Sunajhar DPF	50		20 02 12	85 53 46
		Pubal DPF	50		21 56 45	85 52 27
		<b>Total-</b>	<b>400</b>	9.58		
		<b>Grand Total-</b>	<b>1030</b>			



### 2.1.7 Root trainer nursery (300 cc-75000 nos and 500 cc-75000 nos.)

Root trainer nursery is a modern way of raising quality planting material. Root trainers are being increasingly used to deal with problems of root coiling, resulting to strangling and distortion in poly pot seedlings. Root trainer seedling is labour saving, eco friendly, cost effective and accumulate more seedling per unit area of the nursery than poly

pot seedling. Seedling requirement of fertilizer and irrigation is less in root trainer. Positive impact of better morphological traits such as height and stem growth of plants in comparison to poly pot is also a point for consideration. Considering the advantages of the seedlings raised through root trainers, root trainer nursery is proposed in this APO at 11 places with a financial outlay of Rs 220 lakhs. The details of Division wise target proposed is given in the following table.

<b>Table 2.1.6 DIVISION WISE DETAILS OF ROOT TRAINER SEEDLINGS</b>				
<b>Circle</b>	<b>Name of the Division</b>	<b>300 cc = 75000 Nos., 500cc = 75000 nos. (@ Rs.20.00 /Ha.) Rs. In lakhs</b>		
		<b>No. of Hi-tech nursery identified</b>	<b>No. of seedlings to be raised (in lakh)</b>	<b>Financial (@ Rs.20.00 /Ha.) Rs. In laks</b>
<b>Angul</b>	Athmallik	1	1.5	20.00
	Dhenkanal	1	1.5	20.00
	Athgarh	1	1.5	20.00
	<b>Total-</b>	<b>3</b>	<b>4.5</b>	<b>60</b>
<b>Bhubaneswar</b>	Khurda	1	1.50	20.00
	Puri WL	1	1.50	20.00
	Rajnagar WL	1	1.50	20.00
	Nayagarh	1	1.50	20.00
	<b>Total-</b>	<b>4</b>	<b>6.0</b>	<b>80.00</b>
<b>Sambalpur</b>	Jharsuguda	1	1.5	20.00
	<b>Total-</b>	<b>1</b>	<b>1.5</b>	<b>20</b>
<b>Bhawanipatna</b>	Kalahandi( N)	1	1.5	20.00
	<b>Total-</b>	<b>1</b>	<b>1.5</b>	<b>20</b>
<b>Training &amp; Dev.</b>	Silva, Rayagada	1	1.50	20.00
	Silva, Bhubaneswar	1	1.50	20.00
	<b>Total-</b>	<b>2</b>	<b>3.00</b>	<b>40.00</b>
	<b>Grand Total-</b>	<b>11</b>	<b>16.5</b>	<b>220.00</b>

### 2.1.8 Para protection squad (10 person per squad):

Apart from the Forest Protection Squads being deployed in vulnerable pockets, Para forest protection squads are being deployed in interior theft prone and vulnerable beats to assist the local frontline staff in forest protection. Required facilities are being provided to them to increase their efficiency and performance during their deployment. These forest protection squads are of great help in collection of intelligence, assistance to the frontline forest staff during inspection, forestry operations and protection duties etc. It is provided that 28 forest divisions each will engage 6 nos of forest protection squads and balance 9 no. of forest divisions each will engage 3 nos of forest protection squads. As per the decision of Steering Committee of State CAMPA, 195 forest protection squads will be engaged through Service Provider in different Divisions to aid and assist the existing Forest Department staff. There are the local rural unemployed youth who are involved in the forest protection job. The foot patrolling done by these squads is to be monitored by Forest Protection Foot Patrolling app of State FITGC cell and the data on foot patrolling is duly captured in GPS-PDA & android based mobiles loaded with Foot Patrolling app of FITGC cell. . Each squad comprises 10 local youth persons .In this APO ,195 para protection squads have been proposed to be deployed in various Divisions with financial outlay of Rs 2831.40 lakh @ 14.52 lakh per squad for 12 months. The Division wise details of engagement of para staff is given in the following table.

#### Division wise Engagement of 195 Forest protection squads

Sl No	Name of Circle	Name of Divn	No of Squads	Sl No	Name of Circle	Name of Divn	No of Squads
1	Angul	Angul	3	20	Rourkela	Sundargarh	6
2		Athamallik	3	21		Rourkela	6
3		Dhenkanal	3	22		Bonai	6
4		Athagarh	3	23		Deogarh	6
5		Cuttack	6	24		Keonjhar	6
6	Bhubaneswar	Khordha	3	25	Baripada	Baripada	6
7		Nayagarh	6	26		Karanja	6
8		City Forest	3	27		Rairangpur	6
9	Berhampur	Phulbani	6	28	Bhawanipatna	Kalahandi	6
10		Balliguda	6	29		Kalahandi	6
11		Boudh	3	30		Subarnapur	6
12		Ghumsur (S)	6	31		Bolangir	6



13		Ghumsur (N)	6	32		Khariar	6
14		Parlakhemundi	6	33	Koraput	Rayagada	6
15		Berhampur	6	34		Koraput	6
16	Sambalpur	Jharsuguda	3	35		Jeypore	6
17		Sambalpur	6	36		Nabarangpur	6
18		Rairakhol	6	37		Malkangiri	6
19		Bargarh	3				
					<b>Total</b>	<b>195</b>	

<b>Engagement of 195 Forest protection squad in the Ranges</b>	@14.52	195 Squad	2831.40 lakh
Wages of 10 personnel @ Rs. 8940/-(298.00/day) +1162.20(EPF @ 13%)+ 290.55/-(ESI @.3.25%) +Rs.1609.20/- ( GST @ 18%) +100 Service provider Charge = Rs.12101.95/month/person. = Rs.12101.95/month/person. <b>Rs.12101.95x12x10=14.52234 lakh/Squad</b>			

## 2.19 Strengthening of Range offices for forest protection with vehicle.

In the forest department hierarchy, the Range officer post plays key role in all sorts of forestry activities. There is every need to strengthening the Range offices. Patrolling vehicles equipped with appropriate communication gadgets are required for movement of forest staff for the patrolling duty. In 70 ranges there are government vehicles , in these ranges there is requirement of drivers and POL for the vehicles. Hence in these ranges, provision of Rs. 3.37 lakhs is made per range. In other 212 ranges, there is no provision of government vehicle, hence vehicles are being hired vehicles. In these ranges, provision has been made Rs. 4.92 Lakhs per range. In APO 2020-21, 219 an amount of Rs. 13.13 Cr has been kept for strengthening of the Ranges of different Divisions.The Division wise details are given in the following table

Name of Division	Hiring vehicle for 219 Ranges @ Rs.3.72 lakhs for hiring charge and 1.20 lakhs for POL total Rs.4.92 lakhs/range		wages of Driver in 70 ranges Rs.2.17 lakhs+Rs.1.20 lakhs for POL=Rs.3.37 lakhs/Range		Total Fund Requirement
	No of Ranges	Financial Requirement	No of Ranges	Financial Requirement	
1	2	3	4	5	6

Angul	5	24.60	1	3.37	27.97
Athmallik	2	9.84	3	10.11	19.95
Satkosia WL	3	14.76	2	6.74	21.50
Dhenkanal	6	29.52	2	6.74	36.26
Athagarh	4	19.68	1	3.37	23.05
Cuttack	5	24.60	1	3.37	27.97
Mahanadi WL	2	9.84	2	6.74	16.58
<b>TOTAL</b>	<b>27</b>	<b>132.84</b>	<b>12</b>	<b>40.44</b>	<b>173.28</b>
Khurda	6	29.52	0	0.00	29.52
Puri WL	5	24.60	0	0.00	24.60
Rajnagar WL	4	19.68	1	3.37	23.05
Nayagarh	6	29.52	1	3.37	32.89
Chilika WL	4	19.68	1	3.37	23.05
Chandaka WL	3	14.76	1	3.37	18.13
City Forests	4	19.68	0	0.00	19.68
Bhadrakh WL	3	14.76	1	3.37	18.13
<b>TOTAL</b>	<b>35</b>	<b>172.20</b>	<b>5</b>	<b>16.85</b>	<b>189.05</b>
Phulbani	5	24.60	2	6.74	31.34
Baliguda	5	24.60	2	6.74	31.34
Boudh	3	14.76	2	6.74	21.50
Gh.South	4	19.68	1	3.37	23.05
Gh.North	3	14.76	2	6.74	21.50
Berhampur	3	14.76	1	3.37	18.13
Parlakhemundi	5	24.60	2	6.74	31.34
<b>TOTAL</b>	<b>28</b>	<b>137.76</b>	<b>12</b>	<b>40.44</b>	<b>178.20</b>
Jharsuguda	4	19.68	1	3.37	23.05
Sambalpur	5	24.60	0	0.00	24.60
Rairakhhol	5	24.60	1	3.37	27.97
Bargarh	5	24.60	1	3.37	27.97
Bamara WL	4	19.68	1	3.37	23.05
Hirakhud WL	2	9.84	2	6.74	16.58
<b>TOTAL</b>	<b>25</b>	<b>123.00</b>	<b>6</b>	<b>20.22</b>	<b>143.22</b>
Sundargarh	5	24.60	1	3.37	27.97
Rourkela	5	24.60	1	3.37	27.97
Bonai	6	29.52	1	3.37	32.89
Deogarh	4	19.68	1	3.37	23.05
Keonjhar	6	29.52	1	3.37	32.89
<b>TOTAL</b>	<b>26</b>	<b>127.92</b>	<b>5</b>	<b>16.85</b>	<b>144.77</b>
Baripada	5	24.60	2	6.74	31.34
Karanja	3	14.76	1	3.37	18.13
Rairangpur	4	19.68	1	3.37	23.05
Balasore WL	4	19.68	1	3.37	23.05
Keonjhar WL	3	14.76	1	3.37	18.13
Similpal South	7	34.44	2	6.74	41.18
Similpal North	6	29.52	2	6.74	36.26

<b>TOTAL</b>	<b>32</b>	<b>157.44</b>	<b>10</b>	<b>33.70</b>	<b>191.14</b>
Kalahandi( N)	4	19.68	1	3.37	23.05
Kalahandi (S)	5	24.60	2	6.74	31.34
Subarnapur	3	14.76	1	3.37	18.13
Bolangir	8	39.36	3	10.11	49.47
Khariar	4	19.68	1	3.37	23.05
Sunabeda WL	3	14.76	0	0.00	14.76
<b>TOTAL</b>	<b>27</b>	<b>132.84</b>	<b>8</b>	<b>26.96</b>	<b>159.80</b>
Rayagada	4	19.68	3	10.11	29.79
Koraput	4	19.68	2	6.74	26.42
Jeypore	4	19.68	2	6.74	26.42
Nabarangpur	4	19.68	2	6.74	26.42
Malkangiri	3	14.76	3	10.11	24.87
<b>TOTAL</b>	<b>19</b>	<b>93.48</b>	<b>12</b>	<b>40.44</b>	<b>133.92</b>
<b>G.TOTAL</b>	<b>219</b>	<b>1077.48</b>	<b>70</b>	<b>235.90</b>	<b>1313.38</b>

### 2.1.10 Off-setting of escalated expenditure due to wage rate enhancement

There are wage revisions intermittently by the State Government. Hence there needs to be a provision to provide the enhanced wage rates as and when required. Hence an allocation of Rs. 3 Cr has been made on lumpsum basis to make enhanced wage rate payments.

## 2.2 Activities Proposed under 40% Interest

### 2.2.1 Expenditure of the State Authority

As per Section 10 of CAMPA Act, the State Authority has been notified by the State Government of Odisha on 29.9.2018. The Authority needs to spend money on human resource that helps from concept to commissioning of APO as permissible in THE COMPENSATORY AFFORESTATION FUND Act, 2016 & THE COMPENSATORY AFFORESTATION FUND Rule, 2018 of CAMPA. An amount of Rs. 5 Cr has been kept for the contingent expenses, office expenses and the expenses towards engagement of human resource required for the successful preparation and implementation of projects under CAMPA. This comes to 0.62% of the total APO budget.

### **2.2.2 Campa Capacity Building Centre**

The implementation of provisions of Campa Act and Rules does not limit to the State Authority, and has got larger connotations ranging from Mining, Revenue, Finance, Tribal Development, Livelihood Support, Rural Development and other stakeholders. Realizing this, the Government of India has also kept divergent people in the Executive Committee, Steering Committee and the Governing Body. All these people involved need to be sensitized at periodic intervals. It is therefore envisaged to put in place a capacity building centre for the capacity enrichment of different stakeholders of forest management. Campa Capacity Building centre will provide such a platform to enlighten people, policy makers on several aspects of overall forest management. The State Level Steering Committee accords top priority to the development of Capacity building centre. This activity is permissible as per Rule 6 (b) and Rule 5(3). This activity has been approved by MOEF in the previous Plans as well. This is an ongoing activity started in the previous year and in the current year, an amount of Rs. 15 Crores has been kept for this ongoing activity

# PART -IV

## MEASURABLE OUTPUTS

### 1. (A) PHYSICAL AND FINANCIAL TARGETS OF THE ACTIVITIES TO BE UNDERTAKEN UNDER APO 20-21

There are different activities proposed in the APO like Compensatory Afforestation, Site specific Conservation Plan, Plantations under NPV, Subsidiary silvicultural operations, forest protection, Ama Jangala Yojana, Soil and Moisture Conservation Measures infrastructure development, Research, Capacity building, development of capacity building centre , etc. The activities under APO are mainly implemented by the territorial and wildlife wings. As advised by the National Authority while discussing the previous Plan, efforts are made to separate the activities done by the wildlife wing and territorial wing. The main expenditure is planned under NPV. The categories of NPV under 80 and 20 percent are also separated. The entire depiction of activities is attempted in the table below: The individual activities are discussed below separately.

Sl. No.	Component of Work	Financial Outlay (Rs. in Cr.)		
		Forest	Wildlife	Total
1	CA, Addl.CA, PCA, SZ, 1.5 SZ etc	75.01	0	75.01
2	<b>Integrated Wildlife Management Plan</b>	0		<b>36.42</b>
	(i) Regional Wildlife Management Plan	0	5.00	
	(ii) Site Specific Wildlife Conservation Plan	0	31.42	
<b>Net Present Value (NPV)</b>				
<b>80% Activities</b>				
3	Plantations	149.21	0	149.21
4	Maintenance of old Plantations	62.56	18.61	81.17
5	Bamboo SSO	17.88	0	17.88
6	Soil & Moisture Conservation	20.62	6.42	27.04
7	Forest Protection	41.14	55.79	96.93
8	Wildlife Management	0	20.25	20.25
9	Ama Jangala Yojana	72.00	0	72.00
	<b>Total 80%</b>	<b>363.41</b>	<b>101.07</b>	<b>464.48</b>
<b>20% Activities</b>				
10	Infrastructure Development	56.01	16.18	72.19
11	Research and Development	2.20	1.50	3.70
12	Devt. of Training capacity of Training College/Schools	4.00	0	4.00
13	Capacity Building	1.00	0.75	1.75
14	Forest IT & Geo-matics	20.00	0	20.00

15	Monitoring & Evaluation	5.00	0.50	5.50
	<b>Total 20%</b>	<b>88.21</b>	<b>18.93</b>	<b>107.14</b>
	<b>TOTAL NPV -</b>	<b>451.62</b>	<b>120.00</b>	<b>571.62</b>

### **Proposal for Utilization of Interest money**

<b>I</b>	<b>Under 60% Activities</b>	Financial outlay (Rs. in Crore)
1	1. Miyawaki Pln. – 3.5 Ha., 2. Sowing of bamboo seeds over 1030 ha 3. Orchidarium – 1 site, 4. Protection of pure strand & RET species – 85 ha ANR with gap, 799 ha ANR without gap with fencing 5. Root-trainer seedling – 16.5 lakh, 6. Raising of 2 cr no. 18month old seedling for plantation 2020-21, 7. Distribution of 6month old seedling- 1cr no.	56.16
2	Para Protection Squad engaging local youth 195 squads.(10 person in each squad)	28.31
3	Strengthening of Range Office for protection through provision of transportation	13.13
4	Offsetting the escalated expenditure due to wage rate enhancement	3.00
	<b>TOTAL 60% Activities -</b>	<b>100.60</b>
<b>II</b>	<b>Under 40% Activities</b>	
1	Construction of State Capacity Building Centre	15.00
2	Expenses for State Authority	5.00
	<b>Total 40% Activities -</b>	<b>20.00</b>
	<b>TOTAL INTEREST</b>	<b>120.60</b>
	<b>Grand Total APO</b>	<b>803.65</b>

### **Abstract of outlay of APO 2020-21**

<b>Sl.No</b>	<b>Component</b>	<b>Financial Outlay (Rs. in cr.)</b>
1	CA, PCA etc.	75.01
2	i. Regional Wildlife Management Plan	5.00
	ii. Site Specific WL Management Plan	31.42
3	NPV (80% + 20%)	571.62
4	Utilisation of Interest Money (60% + 40%)	120.60
	<b>GRAND TOTAL:</b>	<b>803.65</b>

## 1.1 AFFORESTATION ACTIVITIES

The activities include plantations under CA, PCA, NPV and also interest component. In addition to the plantation, rehabilitation of degraded forests are also under taken thorough several projects, protection and conservation of pure patches of Bija, Bandhan, Kandaga, etc.

### 1.1.1 Plantations under CA, PCA

The abstract of the physical and financial target of plantation operations under CA , PCA being carried out in the current year APO are given in the following table

<b>ABSTRACT OF PLANTATION ACTIVITIES UNDER CA, PCA</b>		
<b>Activity</b>	<b>Physical Target</b>	<b>Financial Target (Rs. in lakhs)</b>
Current year plantation	4355.35 ha & 5050 nos	4538.24
2 <sup>nd</sup> year maintenance	5237.70 ha & Avenue 31.1 Rkm	1503.00
3 <sup>rd</sup> year maintenance	2255.11 ha 9,300 (No)	115.96
4 <sup>th</sup> year maintenance	3159.25 ha 44781 (No)	101.82
5 <sup>th</sup> year maintenance	3897.47 ha 27300 (No)	111.68
6 <sup>th</sup> year maintenance	4040.67 ha 35382 (No)	70.144
Preliminary Operation (Tentative)	4000 ha	1060.69
		<b>7501.54</b>

### 1.1.2 Plantation Activities under NPV:

These activities include current year plantations of Block, ANR. Bald hill, Bamboo and 2<sup>nd</sup> year and 3<sup>rd</sup> year maintenance of plantations of block, Bamboo, ANR, VSS based plantaion activities under Ama Jangala Yojana, etc. The physical and financial target of the plantation activities are given in the following tables

<b>Current Year Plantations</b>			
	<b>Physical Target</b>	<b>Cost per ha</b>	<b>Fin. Target</b>
Block Plantation (P.O + creation)	1500 ha	0.86336	12.95 (Cr)
ANR @200 Plants (P.O + creation)	40000 ha	0.26962	107.85
Bald Hill Plantation (P.O + creation)	1000 ha	2.16340	21.63

Bamboo 400 Plantation (P.O + creation)	1000 ha	0.48857	4.89
Plantation of Fruit, Fodder (P.O work)	550 ha	0.34376	1.89
<b>Total</b>	<b>44050 ha</b>		<b>149.21</b>

<b>Maintenance of plantations Raised in the previous years</b>			
	<b>Physical Target</b>	<b>Cost per ha</b>	<b>Fin. Target</b>
Block Plantation (2nd year Maintenance)	2000 ha	0.28773	5.76
ANR 200 Plants/ha (2nd year Maintenance)	20100 ha	0.07871	15.82
Bamboo Plantation 400 Plants (2nd yr Maintenance)	1930 ha	0.20277	3.91
ANR 200 plants/ha (3rd yr maintenance)	85430 ha	0.03339	28.52
Bald Hill Plantation (3rd year maintenance)	1000 ha	0.23367	2.34
Avenue Plantation (2nd year maintenance) (RKM)	76 RKM	0.56494	0.43

<b>Ama Jangala Yojana</b>	<b>Physical Target</b>	<b>Unit Cost</b>	<b>Fin. Target (Cr)</b>
Preparation of Micro-Plan , Capacity Building, Publication and communication	580 VSS	L.S	3.49
ANR without gap(0 <sup>th</sup> year)	65,500 ha	0.03032	19.86
ANR without gap (1 <sup>st</sup> year)	27,000 ha	0.12518	33.80
ANR without gap (2 <sup>nd</sup> year)	27,000 ha	0.03974	10.73
ANR without gap (3 <sup>rd</sup> year)	27,700 ha	0.01292	03.58
Block plantation (4 <sup>th</sup> year)	1010 ha	0.05364	0.54
<b>Total</b>			<b>72.00</b>

### **1.1.3 Raising of Seedlings, plantation, protection and conservation activities under interest component:**

Several activities are proposed under 60% interest component as per the provisions of Rule 6 (a) (vi) This includes development of Orchidarium in Similipal Tiger Reserve, Sowing of



Bamboo Seeds in area where is maximum incidence of man animal conflict, protection and conservation of few important species like Xylia xylocarpa, Bija, Sandal wood, Red Sandars, Asan, Arjun, Dhaura, Kendu, etc which are in pure patches in some of the forest areas. The raising of seedlings of 6 months, 18 months old, root trainer seedlings are also proposed. Physical and financial targets of these proposed activities are given in the following table:

<b>DETAILS OF ACTIVITIES PROPOSED UNDER 60% INTEREST COMPONENT CATEGORY</b>			
	<b>Physical Target</b>	<b>Unit Cost</b>	<b>Fin. Target</b>
Orchidarium	1 site		0.30
Sowing of bamboo seeds	1030 ha.	0.02396	0.25
Miyawaki Plantation	3.5 Ha.	37.16688	1.30
Raising of Root Trainer seedlings (300 CC=75000 nos., 500cc = 75000 nos.	11 nos	20.00	2.20
Protection and Conservation of Pure Strand & RET Species	85 ha. @ 200 plant/ Ha.	0.43594	2.37
	799 ha. without plantation	0.25112	
<b>Total</b>			<b>56.16 Cr</b>
Raising of 18 months old seedlings for 2021-22 plantation(outlay for 12 months under APO 2020-21)	2Cr	0.0001832	36.64
Raising of 6 months old seedlings for distribution during 2020-21	1 Cr	0.000131	13.10

#### **1.1.4 Subsidiary Silvicultural Operations of Bamboo:**

In 75000 ha of C category coupes, silvicultural operations are proposed. The activities include cleaning of clumps, high stump cutting, stone packing, earth mounding, etc. 8 mandays is proposed per ha is proposed for working. A financial target of 17.88 Cr has been given for SSO Bamboo.

**1.1.5 Soil and Moisture Conservation Works:** This is one of the priority activities for the conservation of water and protection of forests. In the current APO, SMC works are proposed

over an area of 6650 ha in 20 divisions. The physical and financial targets are given in the following table:

<b>DETAILS OF SSO BAMBOO &amp; SMC WORKS</b>			
	<b>Physical Target</b>	<b>Unit Cost</b>	<b>Fin. Target (Cr)</b>
<b>Regeneration of Degraded Bamboo</b>	75000 ha	0.02384	17.88
<b>SMC works in 20 Divisions</b>	6650 ha	0.31000	20.62

## **1.2 Protection Activities**

Protection activities basically comprise receiving communication, exchange of information either through coordination cells, trekkers and movement through protection squads, fire protection squads. These squads move either in the vehicles or on foot depending on the requirement. The protection efforts are mainly focused on prevention of occurrence of theft, fire incidences and booking the cases wherever the theft has happened. The squads also work in anti deprecation activities. The nutshell of activities in physical and financial terms is given in the following tables

<b>DETAILS OF PROTECTION ACTIVITIES</b>			
<b><i>Forest Protection</i></b>	<b>Physical Target</b>	<b>Unit Cost</b>	<b>Fin. Target</b>
Forest Protection Squads	32		6.16
Coordination Cell at Forest Division Offices	37	6.64	2.46
Coordination Cell at Forest Circle Offices	8	6.64	0.53
Coordination cell at Forest Hqrs.	1	14.71	0.147
<b>Sub- Total Forest Protection :</b>			<b>9.297</b>
<b><i>Fire Protection</i></b>			
Fire Protection Squad (Nos)	216	4.47	9.66
Transportation for Squad	216	2.10	4.53
Creation & Maintenance of fireline (KM)	19500	0.0298	5.81
<i>Logistics &amp; contingency for squads</i>	216	0.85	1.84
<b>Sub total Fire Protection</b>			<b>21.84</b>

<b>Involvement of VSS in Forest Protection</b>	L.S	L.S	10.00
<b>Total Protection-</b>			<b>41.137 or 41.14</b>

<b>DETAILS OF PROTECTION ACTIVITIES PROPOSED UNDER 60% INTEREST COMPONENT</b>			
	<b>Physical Target</b>	<b>Unit Cost</b>	<b>Fin. Target</b>
Para Protection Squad (Nos.)	195	14.52	28.31
Strengthening of Range Offices where Govt vehicle exist	70 No.	3.37	2.36
Strengthening of Range Offices where there is no vehicle	219 No.	4.92	10.77

### **1.3 WILD LIFE MANAGEMENT ACTIVITIES :**

Several activities are proposed for wildlife management. The main activities include protection of wild animals through a net work of wildlife trekkers, antidepradation squads, fire protection squads, relocation of villages from protected areas, tiger reserves, habitat improvement works like meadow development, water body creation, salt licks, Black Buck protection activites, SMC works in wildlife areas to enhance the availability of water in the forest for wild animals, strengthening of animal rescue centres, research activities, etc. The details of the activities and the financial allocation is given in the following table

<b>Activity</b>	<b>Fin. Target</b>
Protection Activities like antidepradation,WI Trekkers, Coordination cells, fencing etc.	49.32
Fire Protection Activities in WL Divisions	6.47
Voluntary relocation of villagers from Protected Areas and Tiger Reserves	10.00
Habitat Improvement like water bodies creation, meadow development, salt licks, immunization, Black buck conservation, etc	18.61
SMC Works in Wildlife habitats	6.42
Establishment, Operation of animal rescue center and veterinary treatment facilities for Wild animals	9.50
Supply of wood-saving cooking appliances and other forest produce saving devices in forest fringe villages	0.50
Management of biological diversity and biological resources	0.25
<b>Total</b>	<b>101.07</b>

### **1.4 INFRASTRUCTURE**

Under this category, all the infrastructural requirement for the forest management like staff quarters upto Range Officers, forest roads, culvert, causeway, tube wells, mega nurseries, communication facilities, floating jetties are constructed. The detailed physical and financial target of the activities are given in the following table

<b>DETAILS OF THE INFRASTRUCTURE DEVELOPMENT WORKS</b>			
<i>Infrastructure for Forest</i>			
	<b>Physical Target</b>	<b>Unit Cost</b>	<b>Fin. Target</b>
Maintenance of Mega Nursery/Permanent Nursery	39	3.98	1.55
Construction of Range Office	25	19.38	4.85
Range Officer's Residence	35	14.54	5.08
Forester Quarters	100	11.19	11.19
Forest Guard Quarters	200	8.12	16.24
Seizure Yard	2	12.00	0.24
Construction, Up-gradation and maintenance of Forest Road (KM)	1000	0.69	6.90
Culvert	32	1.53	0.49
Cause Way	61	1.06	0.65
Boundary Wall (Rmtr.)	15000	0.05	7.50
Tube well	132	1.00	1.32
<b>Sub Total</b>			<b>56.01</b>
<i>Infrastructure for Wildlife</i>			
Strengthening of Communication facilities for Protection of Wildlife	LS		5.25
Infrastructure Development like barracks, floating jetty, road maintenance	LS		10.93
Sub Total			16.18
<b>TOTAL INFRASTRUCTURE DEVELOPMENT</b>			<b>72.19</b>

### **1.5 RESEARCH, TRAINING AND CAPACITY BUILDING**

The main research activities focus on maintenance of plus trees, research plots for RET species, quality seed production. There are two research divisions at Bhubaneswar and Rayagada. Regarding training various training and exposure visits for the field staff will be organized at Forest Rangers College at Angul, Foresters Training Schools at Champua, Ghatikia and G. Udayagiri. These training institutes need to be strengthened for providing

effective training programmes. Under capacity building several modules will be designed for the field staff, other stake holders in the forest management at different places, it will be more decentralized. This also includes the programmes to be undertaken to increase awareness on forest, wildlife, biodiversity, ecology, conducting nature trails, exhibitions, etc.

<b>RESEARCH, TRAINING AND CAPACITY BUILDING</b>		
Silvi BBSR	L.S	1.20
Silvi Rayagada	L.S	1.00
Research in WL Habitats & Biodiversity		01.50
<b>TOTAL RESEARCH</b>		<b>03.70</b>
FRC Angul	L.S	1.00
FTS, G.Udayagiri	L.S	1.00
FTS, Champua	L.S	1.00
FTS, Ghatikia	L.S	1.00
<b>TOTAL</b>		<b>4.00</b>
<b>Capacity Building of frontline staff</b>	LS	1.00
<b>Awareness, capacity building in WL Management</b>	LS	0.75
<b>TOTAL CAPACITY BUILDING</b>		<b>1.75</b>

### **B- Measurable Outputs of the Physical Activities undertaken under CAMPA:**

Broadly defining, Campa APO has projects on Afforestation, Subsidiary Silvicultural Operations of Bamboo, Soil and Moisture Conservation measures, various forest protection activities, Wildlife management, infrastructure development, training and capacity building.

#### **(a) The output for the plantation & Nursery Activities activities:**

1. Enhancement of Green Cover.
2. Reduction in Soil Erosion
3. Enhancement of the microclimate the area
4. Provision of employment to the villages living in the forest fringe villages.
5. Plantation outside the forest area increases the tree cover.
6. Involvement of people, students, civil society in the plantation activity increases the awareness towards forest, nature and make them good responsible citizens and empathy to forest and wildlife
7. Increase in regeneration, coppice

**(b) The output for forest protection:**

1. Enhancing the green cover.
2. Reduction in forest fire.
3. Make people partners in forest management and it results in owning the common property resources for the society.
4. Enhancement in the natural regeneration.
5. Increase in wildlife occurrence.
6. Quantity of seized produce, no. of accused arrested, trends in offence incidents.
7. Extent of cooperation of the villagers in the forest protection
8. Usage and adequacy of fire protection, fire extinguishing equipments

**(c) Output for Wildlife Management Activities**

1. Reduction in wild animals straying incidences
2. Increased sighting of the wild animals
3. Increase in the health of wild animals.
- 4, Reduction in the Man animal conflict
5. Reduction in the unnatural death and injury of the wild animals.
6. Improvement in prey-predator ratio in the forest and wildlife areas.
7. Reduction in major wildlife crimes and efficient detection mechanism
8. Increase in the research activities especially sea turtle nesting, migratory birds, translocation of wild animals, management of tiger reserves, Orchids in nature, etc.
9. Reduction in the occurrence of infectious diseases to wild animals due to cattle.

**(d) Measurable Outputs of Infrastructure Development**

1. The increase in confidence and motivation levels of the staff as their personal needs are taken care of
2. The extent of occupancy and usability of the accommodation that is developed
3. Increase in the mobility inside the forest areas as they is improvement in the forest road, construction of culvert, causeways are being constructed

**(e) Measurable outputs of SSO, Bamboo:**

1. Increase in the quality of Bamboo crop.
2. Increase in the height of the Bamboo culms
3. Decrease in straying of wild animals out side the forest as there will be increase in the availability of food inside the forest area
4. Increase in the livelihood options of the Bamboo artisans living in the vicinity of the forest areas.

**(f) Measurable Outputs of SMC Works:**

1. Extent of enhancement of water table
2. Extent of siltation
3. Support of the villagers as they would be increase in the water supply to the agricultural crops.
4. Increase in the availability of water inside the forest areas.

**C-I DETAILS OF MONITORING AND EVALUATION:**

1. The monitoring of the Campa activities is an ongoing process. There are different levels of monitoring.
2. Studying and Analysing the data obtained from the field.
3. All the Muster rolls are checked by the Range Officers (50%), ACF (20%), DFO (10%)
4. All the work sites are inspected by the field officers in the proportions enunciated as per the Forest Code.
5. The officers of the PCCF office are designated to visit the circles and do the field inspections and guide the field staff accordingly.
6. The technology has been leveraged for monitoring the works.
7. Forest Information Technology & Geomatic Centre (FITGC) has been developed in the State Forest Hqrs which plays a key role in forests and wildlife management and its protection. In the said centre, monitoring of different activities like forest and wildlife protection, forest fire, activities undertaken under CAMPA funding through e-Green Watch, afforestation etc. is being taken up.
8. In the forest protection, more focus is given on foot patrolling by frontline staff which is also being monitored in the above centre. On an average, 80000 KMs of foot patrolling

is being done by the frontline staff per month using GPS-PDA and android based mobile loaded with appropriate apps which is being monitored online.

9. The forest fire monitoring is being done on MODIS and SNPP satellite platform in the above centre. There are 23 different apps for implementation / monitoring of different activities aimed towards better forest management and protection. To control/monitor all the above activities, a Geomatic and other CIT Infrastructure has been installed in the Forest Hqrs FITGC Cell which is being utilized for the purpose and about 10 TB data is being managed in the FITGC Cell.
10. Customized GAGAN enabled GPS-PDA devices has been provided to all the Ranges in the field and is being utilized for operating different forestry applications being used for forest and wildlife management and protection. Mobile sets are being also utilized by the field functionaries for using the above forestry applications.
11. Even Elephant movements are monitored through apps and at many times, it has come handy to avoid accidents.

## **C-II Third Party Monitoring:**

1. As per CAMPA guidelines, all the activities of previous operations carried out under CAMPA are to be monitored and evaluated by an independent/3<sup>rd</sup> party organization to assess the quality as well as effective utilization of funds. For this, tender has been floated and after due technical and financial evaluations, M/s CTRAN Consulting Ltd. is finalized for doing 3<sup>rd</sup> party evaluation and they have submitted the draft report. The salient features of the draft report are elaborated in Part I. When the final report is submitted, a copy of it would be submitted to National Authority.
2. The process has been started for the appointment of internal auditors to audit the campa works. Their job is to ensure all the financial procedures, procurement rules are followed in the divisions. Also to see the implementation of Direct Benefit Transfers to the individual beneficiaries, submission of monthly accounts, MPR, QPR, etc. The auditors will give half yearly reports on the working Campa Act And Rules. The tenders have already been called and the process of selection would be completed after the lock down period due to the Covid 19 pandemic outbreak. The detailed photographs of the monitoring activities are given in the part I.



**Part-I**  
**Annexure I-I**

By fax/E-mail

GOVERNMENT OF ODISHA

FOREST & ENVIRONMENT DEPARTMENT

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No. FE-DIV-MISC-0007-2018- 3872 /F&E, Date 19.02.2020

10F(Con) 87/2018

From

Sri Debidutta Biswal, IFS  
Special Secretary to Government

To

The Chief Executive Officer, CAMPA  
O/o the Principal Chief Conservator of Forests, Odisha,  
Bhubaneswar.

Sub: Proceedings of the 17<sup>th</sup> Meeting of State Level Steering Committee of Compensatory Afforestation Fund Management and Planning Authority (State Authority), Odisha held on 11.02.2020 at 12.45PM in the 2<sup>nd</sup> Floor, Conference Hall of Lokseva Bhawan under the Chairmanship of Chief Secretary, Odisha.

Sir,

I am directed to invite a reference to the subject cited above and to enclose herewith approved copy of proceedings of the 17<sup>th</sup> Meeting of State Level Steering Committee of Compensatory Afforestation Fund Management and Planning Authority (State Authority), Odisha held on 11.02.2020 at 12.45PM in the 2<sup>nd</sup> Floor, Conference Hall of Lokseva Bhawan under the Chairmanship of Chief Secretary, Odisha with a request to circulate the same to all concerned.

*M.*  
*20/02/2020*

Yours faithfully


*M.*  
*19/02/2020*

Special Secretary to Government

P. T. O.


Memo No. 3873 /F&E, Date 19.02.2020

Copy with copy of the enclosures as above forwarded to the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for information & necessary action.

 19/02/2020  
Special Secretary to Government

Memo No. 3874 /F&E, Date 19.02.2020

Copy with copy of the enclosures as above forwarded to the PS to Additional Chief Secretary, Forest & Environment Department for kind information of Additional Chief Secretary.

 19/02/2020  
Special Secretary to Government

Proceedings of the 17<sup>th</sup> Meeting of State Level Steering Committee of Compensatory Afforestation Fund Management and Planning Authority (State Authority), Odisha held on 11.02.2020 at 12.45 PM in the 2<sup>nd</sup> Floor Conference Hall of Lokaseva Bhawan under the chairmanship of the Chief Secretary, Odisha.

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The meeting was presided over by the Chief Secretary, Odisha & Chairperson, State Level Steering Committee of the Compensatory Afforestation Fund Management and Planning Authority (State Authority), Odisha. The members of Steering Committee who attended the meeting are at **Annexure-I**.

The meeting started with the welcome address by the Principal CCF & HoFF, Odisha. While highlighting the actions taken on the proceedings of the last meeting, the Principal CCF & HoFF informed the house that all observations have been duly complied. Addl Chief Secretary highlighted the developments taken in CAMPA especially formation of State Authority, fund position in CAMPA, broad frame work of the APO 20-21.

With the permission of the chair, the Chief Executive Officer, State Authority, Comp. Affn. Fund, Odisha made a brief Presentation on the agenda items.

### **Proposals of APO 2020-21**

#### **A. Fund position :**

The Chief Executive Officer informed the committee on the fund position available with State Authority. Pursuant to Provisions of Rule 39 of CAF Rules, 2018, the APO 2020-21 has been formulated by the State Authority. The present fund position is given below:

Amount Received from National Authority after reconciliation upto 07.02.2019	Rs.5933.89 Cr
Amount deposited by User Agencies from 08.02.2019 to 31.10.2019	<u>Rs.271.82 Cr</u>
<b>Total:</b>	<b>Rs.6205.71 Cr</b>
Amount Budgeted for APO 19-20 (-)	<u>Rs.600 Cr</u>
<b>Balance:</b>	<b>Rs.5605.71 Cr</b>
Interest Accrued from treasury bill investment as estimated by 05.03.2020	<u>Rs.143.63 Cr</u>

**Total Fund Available:**

**Rs.5748.34 Cr**

**(b) Details of Area under Compensatory Afforestation:**

Total area diverted upto Sep 2019	55534.3998 ha
Stipulation of Comp Affn upto Sept 2019	72606.5706 ha
Achievement upto Sep 2019	64135.268 ha
Balance Area to be covered	8471.3026 ha
Proposed area for Comp. Affn in APO 2020-21	4355.35 ha
Area to be covered in APO 2021-22	4000 ha

**(c) Details of Outlay of APO 20-21:**

**1. CA, PCA:**

The Chief Executive Officer informed the committee that under this APO, a budget provision of Rs.75.01 Crore is required to take up 237.64 ha Block Plantation (AR), 2548.08 ha ANR with gap, 458.68 ha ANR without gap, 974.724 ha Bald Hill, 5050 Nos. saplings plantations, ancillary works in 146.83 ha and 2nd, 3rd, 4th, 5th & 6th year maintenance of previous years plantations and preliminary operations for 21-22 plantations.

**2. Regional WL Management & Site Specific WL Conservation Plan:**

Funds have been provisioned for implementation of Regional Wildlife Management Plan and implementation of Site Specific Wildlife Conservation Plan (9 new site specific plans and 74 ongoing plans) to the tune of Rs.5.00 Crore and Rs.31.42 Crore respectively.

**3 Under 80% of NPV:**

**A. PLANTATION ACTIVITIES:**

Plantations over an area of 44050 ha will be taken up in APO 2020-21 with financial outlay of Rs.149.21 cr. Details are as follows:

Block Plantation -	1500 Ha.
Bald Hill Plantation-	1000 Ha.
Fodder and fruit bearing species plantation-	550 Ha.

Bamboo plantation @400 / Ha. - 1000 Ha.

ANR with Gap - 40,000 Ha.

**Total: 44050 Ha.**

**B** Apart from plantations, Bamboo SSO over 75,000 ha and SMC over 6,650 ha activities will be taken up with financial outlay of Rs.17.88 crore & Rs.20.62 crore respectively in this APO. Maintenance of old plantations will also be taken up with an outlay of Rs.62.56 crore.

**C Wildlife Management :**

(i) Wildlife Management activities like relocation of villages from protected areas, animal rescue center, wood-saving cooking appliances, management of biological diversity and resources, distribution of fuel saving devices etc. in the wildlife areas will be carried out exclusively. A provision of Rs.20.25 Crore has been made in this APO

(ii) creation and maintenance of meadow, rejuvenation of wildlife corridors, creation of water body, maintenance of old plantations, etc. has been provisioned at a outlay of Rs.18.61 Crore.

(iii) SMC works like LBCD, staggered trench, graded bund, WHS etc. under Wildlife has been kept at Rs.6.42 Crore

(iv) Protection of Wildlife habitats through deployment of anti-depredation squad, equipments, mobility, erection trench and fence, etc. at Rs.49.32 Crore.

(v) For protection from fire in **Wildlife Divisions**, the outlay for Rs.6.47 Crore has been made for fire squads, equipments, fire line etc.

Thus for wildlife habitats a provision of Rs.101.07 Cr has been made under 80% NPV.

**D Ama Jungle Yogana:** This is a VSS based plantation and protection activity being proposed in 23 divisions covering 580 Vana Samrakshna Samithies with an outlay of 72 Cr.

**E FOREST PROTECTION:**

(i) **Forest Protection** is one of the key interventions under CAMPA. The main activities proposed in this category are deployment of Forest Protection Squads in 32 vulnerable sites in 24 Divisions. Provision of Coordination cells to ensure the protection at State Headquarters to receive and transmit the information from Divisions and different parts of the State and transmission of the same to

appropriate quarters for taking immediate necessary action by the field functionaries have been made with a total of Rs.9.29 Crore

(ii) **Fire Protection:** For management of forest fire in the state, 216 squads are proposed to be deployed in 37 Forest Divisions. It includes creation and management of fire lines, awareness programs for the people living in the immediate vicinity of the forest to protect the forest from fire, etc. An amount of 21.84 Cr. is proposed under fire protection.

(iii) **Involvement of VSS in Forest Protection:** This is a new activity proposed in the Plan to incentivize the VSS who are doing exceptional work for forest protection. Under this an amount of 10 Cr is proposed. A total outlay of 41.14Cr has been made for protection.

#### 4. ACTIVITIES UNDER 20% OF NPV FUND

##### A. INFRASTRUCTURE DEVELOPMENT:

The requirement of Infrastructure development of the Deptt. is highly essential for growing of nurseries, accommodation of frontline staff and their movement in management of forest and wildlife. Hence, the provisions made in the present APO include maintenance of Mega/Permanent nurseries, construction of Range Offices, Range Officer's residence, Forester & Forest Guard quarters, Seizure yard, construction of Boundary wall, Forest Road, Culvert, Cause Way and tube-well for drinking water facility. A budget of **Rs. 56.01 Cr.** has been earmarked under the component infrastructure development.

Under **Wildlife**, for strengthening communication facilities, construction of infrastructure for protection of wildlife, an amount of **Rs.16.18 crore** has been made in this APO.

Thus, a total provision of **Rs. 72.19 Crore** under Infrastructure Development has been made in this APO.

##### B. RESEARCH:

The main activities proposed under Research are production of QPM, maintenance of plus trees (old), ex-situ conservation of *Mesua ferrea*, maintenance of *Santalum album* plantation with different host species, maintenance of hi-tech nursery and other nursery, creation of sample plots in RET seedling plantation, logistic support for research activities, for this an outlay of **Rs.2.20 Cr** is proposed in APO 2020-21.

Under **Wildlife**, conservation, sustainable use and documentation of biodiversity, preservation of habitat etc., an amount of **Rs.1.5 crore** has been made in this APO.

Thus, a total provision of **Rs. 3.70 Crore** under Research has been made in this

APO.

**C. DEVELOPMENT OF TRAINING CAPACITY OF TRAINING COLLEGE/SCHOOLS:**

As regards training of frontline staff in Odisha Forest Rangers College, Angul, Forester's Training Schools at Bhubaneswar, Champua and G. Udayagiri, a provision of **Rs.4.00 Cr.** has been proposed for development campus, procurement of training equipment and for the training programmes.

**D. CAPACITY BUILDING:**

To develop capacity building of the frontline staff, training programmes in different divisions are being conducted by resource persons to update the skill of Scientific Management of Forest & Wildlife for which a provision of **Rs.1.00 crore** has been kept in this APO.

Under **Wildlife**, awareness, training and capacity building, an amount of **Rs.0.75 crore** has been made in this APO.

Thus, a total provision of **Rs. 1.75 Crore** under Capacity Building has been made in this APO.

**E. FOREST IT & GEOMATICS AND WORKING PLAN EXERCISE:**

CAMPA funds are being utilized for digitization of delivery process of governance. A website for forest organization has already been developed to facilitate smooth up-gradation of Forest IT. Digitization of forest boundary is going on in different Divisions. The financial outlay for the above purpose under APO 2020-21 has been kept at **Rs.20.00 crore.**

**F. MONITORING & EVALUATION:**

At present the Forest Range Officers are over burdened with multifarious works like implementing different schemes, uploading data in e-Green watch, CAMPA tracker & accounting, monitoring of the said schemes etc. For the above works one support staff who is well conversant with data management and analysis is essential for each Range Office.

As per CAMPA guidelines, all the activities of previous operations carried out under CAMPA are being monitored and evaluated by an independent 3<sup>rd</sup> party organization to assess the quality of works already undertaken as well as effective utilization of funds.

As per Campa rules, there will be a robust internal monitoring for the activities that will be taken up in 2020-21. For this, a provision of **Rs.5.00 crore** has been kept in APO 2020-21.

Under **Wildlife**, provision for monitoring and evaluation, an amount of **Rs.0.50 crore** has been made in this APO.

Thus, a total provision of **Rs. 5.50 Crore** under Monitoring and Evaluation has been made in this APO.

### **UTILIZATION OF INTEREST MONEY:**

*The Chief Executive Officer apprised the committee about the utilization of interest money. As per Rule 6 (a) & (b) of CAF Rule 2018, the interest accrued on monies in State Fund shall be used i.e. not less than 60% towards conservation and development of forest and wildlife, plantation & protection related activities & not more than 40% for development and management of state authority office, procurement of office equipment and other contingencies of State Authority. Accordingly, the following activities have been included in the present APO.*

### **UNDER 60% ACTIVITY.**

#### **Special Project:**

##### **a. Miyawaki Plantation:**

This is a Japanese technique of raising plantation in a highly degraded forest land. The plantation of Indigenous Forest Species is taken up in close spacing of 1mt X 1mt. The plantation is designed in such a manner that the different canopy cover is maintained so as to produce maximum biomass and species diversity. An area of 3.5 Ha. has been identified in 4 divisions , namely Malkangiri, Koraput, Kalahandi North and Sambalpur Divisions for **Rs.1.30 crore**.

##### **b. Sowing of Bamboo Seed:**

To augment fodder availability for wildlife and restocking the forests, it has been proposed to sow 1030 Ha. with Bamboo seeds with an outlay of **Rs. 0.25 Cr.**

##### **c. Orchidarium:**

Similipal Forest is the home of a number of rare Orchids. Due to effect of climatic change and other anthropogenic factors the species are depleting fast. In order to conserve this, 3 sites have been identified in Similipal and is proposed to take up the same with budget outlay of **Rs.0.30 Cr.** The Executive Committee allowed to take up 1 site at Patabill in Similipal with intensive interventions at Rs.0.30 crore.

##### **d. Protection and Conservation of Pure Strand & RET species**



Some species like Bandhan, Piasal, Rakta Chandan, Chandan, Siali, etc. were in abundance. Due to many climatic and anthropogenic reason the number of such plants have been depleted drastically and now available in degraded state in pockets. In order to improve their status, 12 sites in the state have been identified over an area of 884 Ha. which include 85 ha under ANR gap and 799 ha ANR without gap with vegetative fencing around the targeted areas for their protection and management. Provision for the same has been kept at **Rs.2.37 Cr.**

**e. Raising of Root Trainer Seedling:**

Production of Quality Planting Materials (QPM) adopting scientific and technical method not only meet the demand of Forest Plantation but also reduce the inputs, time. The technique is eco-friendly and use of traditional poly-pots are avoided. Proposal of raising 16.50 lakh seedlings in 11 no. of identified High-Tech Nurseries have been included in this APO at Dhenkanal, Athgarh, Khurda (2), Puri WL, Sambalpur, Athmallik, Kalahandi North, Rajnagar WL (2) and Nayagarh divisions, with a financial layout of **Rs. 2.20 Cr.**

**f. Raising of 18 months old Seedlings:**

The success of plantation mainly depends upon the quality of planting materials. If the seedlings are tall, sturdy and seasoned, the rate of success will be maximum. Keeping in view, it has been proposed to raise 2.0 Cr. seedlings in different permanent Nurseries of the State which shall be used in plantation during 2021-22. An amount of **Rs.36.64 Cr** has been kept for the purpose.

**g. Distribution of Seedlings:**

The distribution of seedlings to the farmers, Institutions, Urban bodies, Panchayat, in past years have significantly helped in increasing tree cover outside forest. To continue the tree plantation initiative by general public raising and distribution of 1.0 Cr. seedlings have been included in APO 2020-21 with an outlay of **Rs.13.10 Cr.**

**Para Forest Squad:**

To improve the protection scenario of the Forest it has been proposed to engage 195 no. of para protection squads comprising 10 local youth per squad for 12 months with an outlay of **Rs.28.31 crore.**

**Strengthening of mobility in all Forest Ranges for protection:**

To strengthen the mobility of forest rangers and frontline staffs it has been proposed to engage hired vehicle in 219 ranges having no Govt. vehicles and to make provision for driver and POL in 70 ranges where there is Govt. vehicle. For this purpose, an amount of **Rs.13.13 crore** has been kept in this APO.

### Offsetting wage rate enhancement

To offset the escalated expenditure in compensatory afforestation and related activities due to enhancement of wage rate as per provision under rule 6(a) (i), an amount of **Rs.3.00 crore** is kept for the purpose.

### UNDER 40% ACTIVITY :

Interest money amounting Rs.20.00 Cr out of accrued interest has been proposed for the following activities:

- i. An amount of **Rs.15.00 Cr.** has been proposed for completion of State Capacity Building Centre (Forest Academy) started under CAMPA APO 2019-20.
- ii. Further, an amount of **Rs.5.00 Crore** has been proposed to meet the Contingency expenditure of State Authority during the next financial year.

The State Level Steering Committee, after due deliberations, approved the Annual Plan of Operation 2020-21. Details of activities vis-à-vis financial outlay under the APO is furnished hereunder.

Sl. No.	Component of Work	Financial Outlay (Rs. in Cr.)		
		Forest	Wildlife	Total
1	CA, Addl.CA, PCA, SZ, 1.5 SZ etc	75.01	0	75.01
2	Integrated Wildlife Management Plan	0		36.42
	(i) Regional Wildlife Management Plan	0	5.00	
	(ii) Site Specific Wildlife Conservation Plan	0	31.42	
Net Present Value (NPV)				
	80% Activities			

3	Plantations	149.21	0	149.21
4	Maintenance of old Plantations	62.56	18.61	81.17
5	Bamboo SSO	17.88	0	17.88
6	Soil & Moisture Conservation	20.62	6.42	27.04
7	Forest Protection	41.14	55.79	96.93
8	Wildlife Management	0	20.25	20.25
9	Ama Jangala Yojana	72.00	0	72.00
	<b>Total 80%</b>	<b>363.41</b>	<b>101.07</b>	<b>464.48</b>
	<b>20% Activities</b>			
10	Infrastructure Development	56.01	16.18	72.19
11	Research and Development	2.20	1.50	3.70
12	Devt. of Training capacity of Training College/Schools	4.00	0	4.00
13	Capacity Building	1.00	0.75	1.75
14	Forest IT & Geomatics	20.00	0	20.00
15	Monitoring & Evaluation	5.00	0.50	5.50
	<b>Total 20%</b>	<b>88.21</b>	<b>18.93</b>	<b>107.14</b>
	<b>TOTAL NPV -</b>	<b>451.62</b>	<b>120.00</b>	<b>571.62</b>

**Proposal for Utilisation of Interest money**

(As per Rule 6 (b) of CAF, Rule 2018)

I	Under 60% Activities	Financial outlay (Rs. in Crore)
1	1. Miyawaki Pln. – 3.5 Ha., 2. Sowing of bamboo seeds over 1030 ha 3. Orchidarium – 1 site, 4. Protection of pure strand & RET species – 85 ha ANR with gap, 799 ha ANR without gap with fencing 5. Root-trainer seedling – 16.5 lakh, 6. Raising of 2 cr no. 18month old seedling for plantation 2020-21, 7. Distribution of 6month old seedling- 1cr no.	56.16
2	Para Protection Squad engaging local youth 195 squads.(10 person in each squad)	28.31
3	Strengthening of Range Office for protection through provision of transportation	13.13
4	Offsetting the escalated expenditure due to wage rate enhancement	3.00

	<b>TOTAL 60% Activities -</b>	<b>100.60</b>
<b>II</b>	<b>Under 40% Activities</b>	
1	Construction of State Capacity Building Centre	15.00
2	Expenses for State Authority	5.00
	<b>Total 40% Activities -</b>	<b>20.00</b>
	<b>TOTAL INTEREST</b>	<b>120.60</b>
	<b>Grand Total APO</b>	<b>803.65</b>

**Abstract of outlay of APO 2020-21**

Sl.No	Component	Financial Outlay (Rs. in cr.)
1	CA, PCA etc.	75.01
2	i. Regional Wildlife Management Plan	5.00
	ii. Site Specific WL Management Plan	31.42
3	NPV (80% + 20%)	571.62
4	Utilisation of Interest Money (60% + 40%)	120.60
	<b>GRAND TOTAL:</b>	<b>803.65</b>

**1. Changes in APO 2019-20**

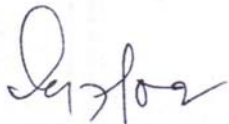
There has been no change in financial outlay of APO 2019-20. However, the Chairman of the Executive Committee of State CAMPA has allowed the following for inclusion in the APO.

- i. Avenue Plantation (Jal Shakti Abhiyan) in Cuttack Forest Division over 76 RKM with financial outlay of Rs.93.57 lakhs, as a measure to recharge ground water to combat the drought situation in Kendrapara district.
- ii. Odisha was affected by a severe cyclonic storm "Fani" during the month of May, 2019 in which the Konark – Balukhand Wildlife Sanctuary of Puri Wildlife Division was severely devastated. In order to restore the greenery and the wildlife habitat, ANR plantation over 400 ha with financial outlay of Rs. 96.76 lakhs.
- iii. In order to get quality planting material (QPM) for 2020-21 plantation, 1,46,42,000 seedlings (48,50,000 seedlings of 18 months old + 97,92,000 seedlings of 6 months old) has been raised under Preliminary Operation.

To carry out the above activities, funds to the tune of Rs.30.00 Crore has been met out of provision made in the approved APO under Plantation activities and Interest fund (Pre-planting Operation for 2020-21 plantation Rs.20.00 Crore + Revision of wage rate Rs.10.00 Crore).

***The committee approved the aforementioned activities post-facto.***

Chief Secretary-cum-Chairman directed the officials to intensify field level management of the afforestation project under CAMPA. He also stressed on effective implementation of WL Management Plan and growth of bio-diversity. He further directed to enhance the mangrove forest covered in Bhitarkanika area of Kendrapara district. It was further decided to include correction of sagged electric line and other related interventions in the site specific WL Management Plan to minimize man-animal conflict. The Department was also advised to take up bald hill plantation in Koraput, Rayagada, Bolangir and Kalahandi districts.

  
Chief Secretary

**17<sup>th</sup> STEERING COMMITTEE MEETING OF STATE CAMPA, ODISHA**  
**Held on 11.02.2020 at 12.45 P.M. under the Chairmanship**  
**of Chief Secretary, Odisha**

**Participants**

Sl.No.	Members Present	Signature
01	Development Commissioner cum Addl. Chief Secretary	
02	Addl. Chief Secretary to Govt. of Odisha Forest & Environment Department.	
03	Principal Chief Conservator of Forests, & HoFF Odisha,	
04	Principal CCF (Wildlife) & CWLW, Odisha	
05	Principal Secretary to Government. Rural Development Department	
06	Principal Secretary to Government, Agriculture & Farmers Empowerment Department	
07	Principal Secretary to Government, Revenue & Disaster Management Department	
08	Principal Secretary to Govt., Panchayati Raj & Drinking Water Department For	
09	Principal Secretary to Govt., Science & Technology Department	
10	Principal Secretary to Government, Finance Department	
11	The Commissioner-cum- Secretary to Govt. ST & SC Development Department	
12	PCCF cum Project Director OFSDP, Bhubaneswar (special invitee)	
13	Additional Principal Chief Conservator of Forests (Central), Eastern Regional Office, MOEF, Govt. of India,	
14	Principal Chief Conservator of Forests (Forest Diversion) & Nodal Officer, O/o the Principal CCF, Odisha	
15	Member Secretary, State Forest Development Agency, O/O PCCF, Odisha	
16	Director & Special Secretary, SO & ST Research & Training Institute, Bhubaneswar	
17	Chief Executive Officer, of the State Authority as Member Secretary	

## Part-II

### Annexure II-I

#### Division Wise Compensatory Afforestation Plantation and year-wise Maintenance

SI No	Name of the Forest Division	Name of the Project	Component	Block (In Ha)	ANR (In Ha)	ANR without Gap (In Ha)	Bald hill (In Ha)	Total (In Ha)	Location
1	Cuttack	Diversion of 115.05 ha Sabik Kissam forest land within total ML area of 116.76 ha in Sukinda Chromite Mines of M/s IMFA Ltd.	CA	0.000	0.000	0.000	39.356	39.356	Village-Panturi, Tahasil-Dhamasala, District.- Jajpur
			CA	0.000	0.000	0.000	72.035	72.035	Village-Anjira, Tahasil- Dhamasala, District.- Jajpur
2	Cuttack	Diversion of 9.037 ha forest land for construction of Railwayline from Jakhpura Railway Station to Steel Plant at Kalinga Nagar by M/s Tata Steel Ltd.	CA	9.307	0.000	0.000	0.000	9.307	Village - Chanditala, Tahasil- Darpana, District.- Jajpur Dalijoda Range
3	Cuttack	Diversion of balance 7.397 ha Sabik Kissam forest land in addition to already diverted forest land of 66.38 ha in Mahagiri Chromite Mines by M/s IMFA	CA	0.000	0.000	0.000	6.787	6.787	Village-Panturi, Tahasil- Dharmasala, Dist.- Jajpur
		<b>Total Cuttack Division</b>		<b>9.307</b>	<b>0.000</b>	<b>0.000</b>	<b>118.178</b>	<b>127.485</b>	
4	Sambalpur	Diversion of 1038.187 ha forest land including 4.051 ha Safety Zone within the leasehold area of 1914.063 ha for Open Cast Mining Project of M/s Neyveli Lignite Corporation (NLC) India Ltd. ( Earlier M/s MNH Shakti Ltd.)	CA	0.000	110.000			110.000	Tabla-A RF and Birsingharh RF, Sadar Range, Sambalpur Forest Division
			CA	0.000	206.000			206.000	Ghichamura - Jharmal RF, Rengali Range, Sambalpur Forest Division, Sambalpur District.
		<b>Total Sambalpur Division</b>		<b>0.000</b>	<b>316.000</b>	<b>0.000</b>	<b>0.000</b>	<b>316.000</b>	
5	Jharsuguda	Diversion of 24.424 ha forest land for construction of laying of LILO of both circuit of Rourkela- Raigarh 400 KVDC transmission line (2nd line) from existing 765/400 KV Pooling Sub-station at Kenapali to existing 400 KV/DC Rourkela-Raigarh transmission line by M/s PGCIL	ACA		12.213			12.213	Lamdunguri PRF, Kolabira Range, Jharsuguda Forest Division.
		<b>Total Jharsuguda Division</b>		<b>0.000</b>	<b>12.213</b>	<b>0.000</b>	<b>0.000</b>	<b>12.213</b>	



6	Bargarh	Diversion of 24.424 ha forest land for construction of laying of LILO of both circuit of Rourkela- Raigarh 400 KVDC transmission line (2nd line) from existing 765/400 KV Pooling Sub-station at Kenapali to existing 400 KV/DC Rourkela-Raigarh transmission line by M/s PGCIL	CA	0.000	48.848			48.848	Palsani Dongur RF, Padampur Range, Bargarh Forest Division.
		<b>Total Bargarh Division</b>		<b>0.000</b>	<b>48.848</b>	<b>0.000</b>	<b>0.000</b>	<b>48.848</b>	
7	Keonjhar	Diversion of 13.904 ha forest land including 1.214 ha SZ in Murugabeda Iron Mines by D.R Pattnaik	CA	0.000	12.690			12.690	Village - Uparbirikala, Tahasil- Banspal, District- Keonjhar, BJP Range, Keonjhar Forest Division.
			PCA		69.520			69.520	Podipokhari RF, Champua Range, Keonjhar Forest Division.
8	Keonjhar	Proposal for according permission for use of 8.2276 ha forest land within total ml block area of 256.304 ha for Manganese Mines in Dhanurjoypur, Kanarda, Laserda and Karo RF for undertaking exploratory drilling of 250 nos of boreholes of 4" dia totaling 0.05 ha and 3.1776 ha for construction of Road by M/s Thriveni Earthmovers Pvt Ltd.	CA	3.228				3.228	Village - Uparbirikala, Tahasil- Banspal, District- Keonjhar, BJP Range, Keonjhar Forest Division.
9	Keonjhar	Diversion of balance 1177.211 ha forest land including 25.1070 ha Safety Zone in addition to 232.438 ha forest land already diverted within the total ML area of 1590.8673 ha in Gandhamardan B iron Mines of M/s OMC Ltd.	PCA		0.850			0.850	Mundula RF, BJP Range, Keonjhar Forest Division.
10	Keonjhar	Diversion of 3.8332 ha forest land including 0.6932 ha Safety Zone in Sirkaguta Iron & Mn Mines of M/s Prakash Industries Ltd.	CA	3.140				3.140	Village - Champajhar, Tahasil- Banspal, District- Keonjhar, BJP Range, Keonjhar Forest Division.
			PCA		2.000			2.000	Barabanka RF, Ghatagaon Range, Keonjhar Forest Division.
11	Keonjhar	Diversion of 3.5936 ha forest land including 0.586 ha SZ in Rebena RF for pyrophyllite Mines by Shri K.B Pahi	CA		3.018			3.018	Village- Guptaganga, Tahasil- Banspal, District-Keonjhar, BJP Range, Keonjhar Forest Division.
		<b>Total Keonjhar Division</b>		<b>6.368</b>	<b>88.078</b>	<b>0.000</b>	<b>0.000</b>	<b>94.446</b>	
12	Bonai	Diversion of 174.1595 ha forest land for four/six laning, widening and strengthening of existing two lane of NH-215 from 163 Km to 269 Km ( Remuli-Rajamunda Section) by NHAI	CA	0.000	35.000			35.000	East Dandpat RF, Bonai Range, Bonai Forest Division
			CA		100.000			100.000	Sindura RF, Bonai Range, Bonai Forest Division

			CA		213.319			213.319	Ulsura RF, Jarda Range, Bonai Forest Division
13	Bonai	Diversion of 806.153 ha forest land including 16.601 ha for SZ in total ML area of 874.29 ha for iron ore mining in Sundargarh & Keonjhar district ny M/s Neelachal Ispat Nigam Ltd.	PCA	4.000	6.000			10.000	Khajurdihi PRF, Koira Range, Bonai Forest Division.
14	Bonai	Diversion of balance 11.006 ha forest land excluding 177.517 ha already diverted forest land in KJST Iron.Mn & Bauxite Mines of Prabodh Mohanty.	CA	1.228				1.228	Village- Babu-Nuagaon, Bonai Range, Bonai Forest Division
		<b>Total Bonai Division</b>		<b>5.228</b>	<b>354.319</b>	<b>0.000</b>	<b>0.000</b>	<b>359.547</b>	
15	Rourkela	Diversion of balance 517.888 ha forest land including 9.392 ha Safety Zone in addition to 133.112 ha forest land already diverted within total ML area of 651.00 ha in Kurmitar Iron & Manganese mines of M/s OMC Ltd.	PCA	26.623				26.623	Banglow Pahad - 21.116 ha and Patipaharh RF - 5.507 ha, Biramitrapur Range, Rourkela Forest Division
			PCA	11.050				11.050	Patipaharh RF, Biramitrapur Range, Rourkela Forest Division
16	Rourkela	Diversion of 174.1595 ha forest land for four/six laning, widening and strengthening of existing two lane of NH-215 from 163 Km to 269 Km ( Remuli-Rajamunda Section) by NHAI	PCA		33.678			33.678	South Champajharan PRF-I, Rourkela Forest Division
17	Rourkela	Diversion of 124.313 ha sabik forest in Bolani Iron Ore Mines ( 6.9 Sq miles) of M/s SAIL	CA		248.626			248.626	Chhatam RF, Rajgangpur Range, Rourkela Forest Division.
18	Rourkela	Adaghat Mines of M/s National Enterprises	CA	0.000	13.674			13.674	Village- Paramdihi, Tahasil- Koira, District- Sundargarh, Banki Range, Bonai Forest Division
		<b>Total Rourkela Division</b>		<b>37.673</b>	<b>295.978</b>	<b>0.000</b>	<b>0.000</b>	<b>333.651</b>	
19	Deogarh	Diversion of 38.726 ha of forest land including re-diversion of 11.936 ha forest land from earlier diverted forest land of projects belonging to NTPC Ltd and MCL for mine void filling project of Talcher Super Thermal Power Station at Kaniha by NTPC Ltd.	CA	0.000	77.452			77.452	Kunjam RF, Khamar Range, Deogarh Forest Division.
		<b>Total Deogarh Division</b>		<b>0.000</b>	<b>77.452</b>	<b>0.000</b>	<b>0.000</b>	<b>77.452</b>	
20	Keonjhar WL	Diversion of 3.5936 ha forest land including 0.586 ha SZ in Rebena RF for pyrophyllite Mines by Shri K.B Pahi	PCA	0.000	1.100			1.100	Rebena RF, Brahmanipal WL Range, Keonjhar WL Division.

		<b>Total Keonjhar WL Division</b>		<b>0.000</b>	<b>1.100</b>	<b>0.000</b>	<b>0.000</b>	<b>1.100</b>	
21	Khurdha	Diversion of 8.094 ha forest land in favour of Xaviour Institute of Management in Bhubaneswar	PCA	0.000	24.282			24.282	Barunei RF, Khordha Forest Division.
		<b>Total Khurdha Division</b>		<b>0.000</b>	<b>24.282</b>	<b>0.000</b>	<b>0.000</b>	<b>24.282</b>	
22	Nayagarh	Diversion of 98.632 ha forest land for construction of 765 KV/DC transmission line from Angul Pooling Station to Ramakrishnapuram Pooling Station in Srikakulam district of AP.	CA	0.000	197.264			197.264	Nariamba DPF, Odagaon Range, Nayagarh Forest Division.
		<b>Total Nyagarh Division</b>		<b>0.000</b>	<b>197.264</b>	<b>0.000</b>	<b>0.000</b>	<b>197.264</b>	
23	Berhampur	Diversion of 3.792 ha forest land for development of Industrial Park/ Special Economic Zone (SEZ) by M/s Tata Steel Special Economic Zone Ltd.	CA	3.792				3.792	Village- Mahurigada, Tahasil- Kukudahandi, District-Ganjam, Berhampur Forest Division
			PCA		0.014			0.014	Ramaguda RF, Berhampur Range, Berhampur Forest Division.
		<b>Total Berhampur Division</b>		<b>3.792</b>	<b>0.014</b>	<b>0.000</b>	<b>0.000</b>	<b>3.806</b>	
24	Rayagada	Diversion of 3.278 ha forest land in Bandhamundi Graphite Mines of M/s Pdadhan Industries	CA	3.278				3.278	Village- Badamatru, Tahasil- Kashipur, District-Rayagada, Rayagada Forest Division
			PCA	16.390				16.390	Utang DPF, Kashipur Range, Rayagada Forest Division
		<b>Total Rayagada Division</b>		<b>19.668</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>19.668</b>	
25	Kalahandi South	Diversion of balance 1177.211 ha forest land including 25.1070 ha Safety Zone in addition to 232.438 ha forest land already diverted within the total ML area of 1590.8673 ha in Gandhamardan B iron Mines of M/s OMC Ltd.	CA	0.000			392.621	392.621	Village-Serkapani-66.378 ha, Karnibar-72.671 ha, Tundamuhin - 39.894 ha, Taragaon- 171.53 ha and Salabali-42.148 ha under Thuamul- Rampur Tahasil of Kalahandi District, Thuamul-Rampur North Range, Kalahandi South Forest Division.
26	Kalahandi South	Diversion of balance 517.888 ha forest land including 9.392 ha Safety Zone in addition to 133.112 ha forest land already diverted within total ML area of 651.00 ha in Kurmitar Iron & Manganese mines of M/s OMC Ltd.	CA		100.000	108.496	100.000	308.496	Village- Melkundel, Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul-Rampur South Range, Kalahandi South Division.
27	Kalahandi South	Permission for exploratory drilling of 82 No of boreholes over 6.5495 ha including 4.9095 ha forest land for construction of road in Balipada-Mahagiri Chromite Mines by M/s OMC Ltd.	CA				4.910	4.910	Village- Bhitarpadar, Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul-Rampur South Range, Kalahandi South Division.

28	Kalahandi South	Diversion of 79.30 ha forest land in Tiringpahar Mines of M/s OMC Ltd.	CA			9.182	60.896	70.078	Village- Kachalekha, Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul-Rampur North Range, Kalahandi South Division.
			CA				9.222	9.222	Village- Kandulguda, Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul Rampur North Range, Kalahandi South Division.
29	Kalahandi South	Permission for use of 9.819 ha forest land within mining lease of 583.021 ha in Birasal Chromite Mines for undertaking exploratory drilling of 133 no boreholes of 4" dia (2.660 ha) and construction of road (7.159 ha) by M/s OMC Ltd.	CA				7.159	7.159	Village- Maligaon, Tahasil- Thuamul Rampur, District-Kalahandi, Kalahandi South Division.
30	Kalahandi South	Permission forexploratory drilling of 96 No of boreholes over 9.696 ha hincluding 7.776 ha forest land for construction of road in Kaliapani Chromite Mines by M/s OMC Ltd.	CA				7.776	7.776	Village- Bhitardar, Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul Rampur South Range, Kalahandi South Division.
31	Kalahandi South	Permission for use of 14.642 ha forest land within mining lease of 936.22 ha in Kalarangi Chromite Mines for undertaking exploratory drilling of 214 no boreholes of 4" dia (2.68 ha) and construction of road (11.962 ha) by M/s OMC Ltd.	CA				8.962	8.962	Village- Bhitarpadar, Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul Rampur South Range, Kalahandi South Forest Division.
32	Kalahandi South	Diversion of 806.153 ha forest land including 16.601 ha for SZ in total ML area of 874.29 ha for iron ore mining in Sundargarh & Keonjhar district ny M/s Neelachal Ispat Nigam Ltd.	CA	150.000		341.000		491.000	Tahasil- Thuamul Rampur, District-Kalahandi, Thuamul Rampur North Range, Kalahandi South Forest Division.
			CA				45.000	45.000	Sahajkhol RF, Dharamgarh Range, Kalahandi South Forest Division.
		<b>Total Kalahandi South Division</b>		<b>150.000</b>	<b>100.000</b>	<b>458.678</b>	<b>636.546</b>	<b>1345.224</b>	
33	Bolangir	Diversion of 1038.187 ha forest land including 4.051 ha Safety Zone within the leasehold area of 1914.063 ha for Open Cast Mining Project of M/s Neyveli Lignite Corporation (NLC) India Ltd. ( Earlier M/s MNH Shakti Ltd.)	CA	0.000	235.000			235.000	Sunadei RF, Loisingha Range, Bolangir Forest Division
			CA		80.000			80.000	Mahadaseni RF, Loisingha Range, Bolangir Forest Division
34	Bolangir	Diversion of 1038.187 ha forest land including 4.051 ha Safety Zone within the leasehold area of 1914.063 ha for Open Cast Mining Project of M/s Neyveli Lignite Corporation (NLC) India Ltd. ( Earlier M/s MNH Shakti Ltd.)	CA		343.000			343.000	Suliamal RF, Saintala Range, Bolangir Forest Division
			CA		221.000			221.000	Tikhari RF, Muribahal Range, Bolangir Forest Division
35	Bolangir	Diversion of 8.094 ha forest land in favour of Xaviour Institute of Management in	CA	0.000	8.540			8.540	Village- Ratanpur, Deogaon Range, Bolangir Forest Division.

		Bhubaneswar							
		<b>Total Bolangir Division</b>		<b>0.000</b>	<b>887.540</b>	<b>0.000</b>	<b>0.000</b>	<b>887.540</b>	
36	Subarnapur	Diversion of 1038.187 ha forest land including 4.051 ha Safety Zone within the leasehold area of 1914.063 ha for Open Cast Mining Project of M/s Neyveli Lignite Corporation (NLC) India Ltd. ( Earlier M/s MNH Shakti Ltd.)	CA	0.000	140.000		220.000	360.000	Baradunguri RF-50 ha and Binka RF-50 ha in Binka Range, Gourgarh RF-40 ha and Durdura-50 ha in Birmaharajpur Range, Kumbharmunda RF-60 ha in Sonepur Range & Harnapali RF-50 ha, Badali RF-25 ha and Gheekundi RF-35 ha in Ullunda Range of Subarnapur Forest Division.
		<b>Total Subarnapur Division</b>		<b>0.000</b>	<b>140.000</b>	<b>0.000</b>	<b>220.000</b>	<b>360.000</b>	
		<b>Grand Total</b>		<b>232.036</b>	<b>2543.087</b>	<b>458.678</b>	<b>974.724</b>	<b>4208.525</b>	

**District/ Division/Location Wise other Stipulations to be carried out during 2020-21**

SI No	Name of the Forest Division	Name of the District	Name of the Project	Component	Block ( In Ha)	ANR ( In Ha)	Total ( In Ha)	Tree Plantation (In Nos)	Location
1	Cuttack	Jajpur	Diversion of 115.05 ha Sabik Kissam forest land within total ML area of 116.76 ha in Sukinda Chromite Mines of M/s IMFA Ltd.	1.5 SZ	0.000	5.490	5.490		Mahagiri PF, Sukinda Range
2	Cuttack	Jajpur	Permission for use of 1.502 ha forest land within total PL area of 38.7568 ha in PL Block No III (Chromite) in Kaliapani & Kalarangiatta for exploratory drilling of 26 No of boreholes (0.52 ha) and construction of road ( 0.982 ha) by M/s OMC Ltd.	Tall Tree Plantation of 982 Nos	0.982	0.000	0.982		Mahagiri DPF, Sukinda Range
3	Cuttack	Jajpur	Diversion of balance 7.397 ha Sabik Kissam forest land in addition to already diverted forest land of 66.38 ha in Mahagiri Chromite Mines by M/s IMFA	1.5 SZ	3.705		3.705		Mahagiri DPF, Sukinda Range
			<b>Total Cuttack Division</b>		<b>4.687</b>	<b>5.490</b>	<b>10.177</b>	<b>0</b>	

4	Angul	Angul	Exploratory Drilling Naini Coal Block	Tall Tree Plantation	0.000		0.000	1160	Chhendipada RF, Angul Forest Division
			<b>Total Angul Division</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1160</b>	
5	Dhenkanal	Dhenkanal	Diversion of 98.632 ha forest land for construction of 765 KV/DC transmission line from Angul Pooling Station to Ramakrishnapuram Pooling Station in Srikakulam district of AP.	Dwarf Tree Plantation	0.819	6.430	7.249		Under the Transmission Line, Hindol Range, Dhenkanal Forest Division
			<b>Total Dhenkanal Division</b>		<b>0.819</b>	<b>6.430</b>	<b>7.249</b>	<b>0</b>	
6	Ghumsur South	Ganjam	Diversion of 98.632 ha forest land for construction of 765 KV/DC transmission line from Angul Pooling Station to Ramakrishnapuram Pooling Station in Srikakulam district of AP.	Dwarf Tree Plantation	0.265	2.003	2.268		Under Transmission Line, Buguda Range, Ghumsur South Forest Division
			<b>Total Ghumsur South Division</b>		<b>0.265</b>	<b>2.003</b>	<b>2.268</b>	<b>0</b>	
7	Ghumsur North	Ganjam	Diversion of 98.632 ha forest land for construction of 765 KV/DC transmission line from Angul Pooling Station to Ramakrishnapuram Pooling Station in Srikakulam district of AP.	Dwarf Tree Plantation	0.051	0.389	0.440		Under Transmission Line, Jagannathprasad Range, Ghumsur North Forest Division
			<b>Total Ghumsur North Division</b>		<b>0.051</b>	<b>0.389</b>	<b>0.440</b>	<b>0</b>	
8	Nayagarh	Nayagarh	Diversion of 98.632 ha forest land for construction of 765 KV/DC transmission line from Angul Pooling Station to Ramakrishnapuram Pooling Station in Srikakulam district of AP.	Dwarf Tree Plantation	1.420	10.750	12.170		Under Transmission Line, Odagaon Range, Nayagarh Forest Division
			<b>Total Nayagarh Division</b>		<b>1.420</b>	<b>10.750</b>	<b>12.170</b>	<b>0</b>	
9	Keonjhar WL	Keonjhar	Diversion of 3.5936 ha forest land including 0.586 ha SZ in Rebena RF for pyrophyllite Mines by Shri K.B Pahi	1.5 SZ	0.000	0.879	0.879		Rebena RF, Brahmanipal WL Range, Keonjhar WL Division.
			<b>Total Keonjhar WL Division</b>		<b>0.000</b>	<b>0.879</b>	<b>0.879</b>	<b>0</b>	

10	Keonjhar	Keonjhar	Diversion of 13.904 ha forest land including 1.214 ha SZ in Murugabeda Iron Mines by D.R Pattnaik	1.5 SZ	0.000	1.821	1.821		Podipokhari RF, Champua Range, Keonjhar Forest Division
11	Keonjhar	Keonjhar	Diversion of balance 1177.211 ha forest land including 25.1070 ha Safety Zone in addition to 232.438 ha forest land already diverted within the total ML area of 1590.8673 ha in Gandhamardan B iron Mines of M/s OMC Ltd.	Gap Plantation		39.538	39.538		Gandhamardan PRF & other forest areas, BJP Range, Keonjhar Forest Division
12	Keonjhar	Keonjhar	Diversion of 0.197 ha forest land for laying water pipeline by Jagannath Steel Ltd.	Avenue			0.000	630	Hayarpur village road, Barbil Range, Keonjhar Forest Division
				Plantation on bothside of road		12.000	12.000		Uliburu RF, Barbil Range, Keonjhar Forest Division
13	Keonjhar	Keonjhar	Diversion of 3.8332 ha forest land including 0.6932 ha Safety Zone in Sirkaguta Iron & Mn Mines of M/s Prakash Industries Ltd.	1.5 SZ		1.500	1.500		Barabanka RF, Ghatagaon Range, Keonjhar Forest Division
14	Keonjhar	Keonjhar	Permission for use of 0.948 ha forest land within the undiverted forest land of 71.407 ha coming within ML area of 228.04 ha for exploratory drilling of 18 no of boreholes ( in 0.180 ha) and construction of road(in 0.768 ha) in respect of Thakurani Iron mines of M/s Kaypee Enterprises.	Tall Tree Plantation			0.000	360	Sidhamath RF, Barbil Range, Keonjhar Forest Division
15	Keonjhar	Keonjhar	Permission for use of 2.690 ha forest land covering 277.956 ha coming within the ML area of 335.594 ha in Balda Iron Ore Mines of M/s Serajudin & Co.	Tree Plantation			0.000	1040	Ukhunda RF, Champua Range, Keonjhar Forest Division
16	Keonjhar	Keonjhar	Permission for use of 2.964 ha forest land within undiverted forest land of 268.361 ha coming within the ML area of 767.284 ha in Nuagaon Iron Ore Mines of Sri K.J.S. Ahluwalia	Tree Plantation			0.000	940	Sidhamath RF, Barbil Range, Keonjhar Forest Division
17	Keonjhar	Keonjhar	Diversion of 124.313 ha sabik forest in Bolani Iron Ore Mines ( 6.9 Sq miles) of M/s SAIL	1.5 SZ		22.122	22.122		Laxmiposi RF, Champua Range, Keonjhar Forest Division

				Gap Plantation		15.000	15.000		Karo RF, Barbil Range, Keonjhar Forest Division
18	Keonjhar	Keonjhar	Diversion of 806.153 ha forest land including 16.601 ha for SZ in total ML area of 874.29 ha for iron ore mining in Sundargarh & Keonjhar district ny M/s Neelachal Ispat Nigam Ltd.	Green Zone .	0.000	0.000	0.000		
19	Keonjhar	Keonjhar	Proposal for prospecting of minerals in 2.054 ha forest land pertaining to Guali Iron Mines of M/s R.P.Sao	Tree Plantation			0.000	680	Sidhamath RF, Barbil Range, Keonjhar Forest Division
			<b>Total Keonjhar Division</b>		<b>0.000</b>	<b>91.981</b>	<b>91.981</b>	<b>3650</b>	
20	Bonai	Sundargarh	Permission for use of 0.732 ha forest land within undiverted DLC forest land of 27.369 ha out of total forest land of 76.882 ha in respect of Gonua Iron & Mn mines for exploratory drilling of 12 No of boreholes ( in 0.12 ha ) and for construction of road (in 0.612 ha ) by Sri P.K. Ahirwar	Tall Tree Plantation	0.000	0.000	0.000	240	Karo RF, Koira Range, Bonai Forest Division.
			<b>Total Bonai Division</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>240</b>	
21	Sundargarh	Sundargarh	Diversion of 24.424 ha forest land for construction of laying of LILO of both circuit of Rourkela- Raigarh 400 KVDC transmission line (2nd line) from existing 765/400 KV Pooling Sub-station at Kenapali to existing 400 KV/DC Rourkela-Raigarh transmission line by M/s PGCIL	Dwarf tree plantation	1.593	20.068	21.661		Under the transmission line at Village- Majhapara, District- Sundargarh, Sundargarh Forest Division.
			<b>Total Sundargarh Division</b>		<b>1.593</b>	<b>20.068</b>	<b>21.661</b>	<b>0</b>	
			<b>Grand Total</b>		<b>8.835</b>	<b>137.990</b>	<b>146.825</b>	<b>5050</b>	



## Second Year maintenance of Surrendered CA, PCA, Addl CA of 2018-19 to be taken up during 2019-20

Second Year Maintenance cost of CA PCA Addl CA of 2019-20 to be carried out during 2020-21															
SI No	Name of Division	Name of the Project	Component	Block in Ha	ANR in Ha	Bald Hill in Ha	Total in Ha	Amount Required for second year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs.298/- per MD ( In Rs)							Remarks
								Block with 1600 plants @ Rs.17293.50 per Ha	ANR with 200 plants per Ha @ Rs. 7617.44 per Ha	ANR with 400 plants per Ha @ Rs10762.50 per Ha	ANR with 600 plants per Ha @ Rs. 13273.05 per Ha	ANR with 800 plants per Ha @ Rs.15957.48 per Ha	Bald Hill Plantation @ Rs. 35261.10/- per Ha.	Total	
1	Keonjhar	Diversion of 41.2442 ha of forest land for the broken up area out of proposed diversion of 117.9648 ha of forest land ( 216.3617 ha proposed originally) for mining of iron ore in Gandhamardan Block A of M/s OMC Ltd.	CA	0	41.2442	0	41.2442	0.00	0.00	443890.70	0.00	0.00	0.00	443890.70	DFO converted AR plantation to ANR with 400 plants
2	Keonjhar	Diversion of 41.2442 ha of forest land for the broken up area out of proposed diversion of 117.9648 ha of forest land ( 216.3617 ha proposed originally) for mining of iron ore in Gandhamardan Block A of M/s OMC Ltd.	PCA	0	166.94	0	166.94	0.00	1271655.43	0.00	0.00	0.00	0.00	1271655.43	

3	Keonjhar	Diversion of 151.94 ha forest land for four/six laning, widening and strengthening of existing two lane of NH-215 from 0.00 Km to 163.00 Km by NHAI ( Panikoili-Remuli Section)	CA		303.88		303.88	0.00	2314787.67	0.00	0.00	0.00	0.00	2314787.667	
4	Rourkela	Diversion of 77.94 ha of forest land including 2.562 ha of safety zone area for development of mining infrastructure in Toda RF in ML-162 of M/s Steel Authority of India Ltd.	CA		63.628		63.628	0.00	0.00	684796.35	0.00	0.00	0.00	684796.35	ANR with 400 plants per Ha
5	Bonai	Diversion of 77.94 ha of forest land including 2.562 ha of safety zone area for development of mining	PCA		217.82		217.82	0.00	1659230.78	0.00	0.00	0.00	0.00	1659230.781	
6	Sundargarh	Diversion of 88.899 ha forest land including 1.665 ha Safety Zone within total mining lease over 653.828 ha in	CA	0	177.798		177.798	0.00	0.00	0.00	2359921.74	0.00	0.00	2359921.74	ANR with 600 plants per Ha
7	Sundargarh	Diversion of 60.058 ha forest land for laying 2nd 765 KV/DC transmission line from Jharsuguda Pooling Station at Kenapali to Dharamjayagarh Pooling Station near Korba in Chhatisgarh State by M/s PGCIL	CA		120.116		120.116	0.00	914976.42	0.00	0.00	0.00	0.00	914976.42	
8	Sundargarh	Diversion of 18.910 ha Rev forest land for construction of 765 KV/DC transmission line from Pooling Station at Kenapali to Darlipali STPS of NTPC Ltd. By M/s PGCIL	CA		37.82		37.82	0.00	0.00	407037.75	0.00	0.00	0.00	407037.75	ANR with 400 plants per Ha
9	Angul	Diversion of 1.23 ha of forest land as per Sabik record for setting up Railway siding by M/s Global Coal Mining Private Ltd.	CA	1.23	0		1.23	21271.01	0.00	0.00	0.00	0.00	0.00	21271.01	

10	Angul	Diversion of 440.53 ha of forest land including 3.80 ha SZ in Hingula-II OCP Expansion Phase-II by M/s MCL	CA	0.00	882.00	0.00	882.00	0.00	6718582.08	0.00	0.00	0.00	0.00	6718582.08	
11	Cuttack	Diversion of 141.872 ha of forest land for construction of Angul-Duburi-Sukinda Road New BG Rail link project (98.70 Km) by East Coast Railway.	CA	82.00	0.00	0.00	82.00	1418067.00	0.00	0.00	0.00	0.00	0.00	1418067.00	
12	Cuttack	Diversion of 141.872 ha of forest land for construction of Angul-Duburi-Sukinda Road New BG Rail link project (98.70 Km) by East Coast Railway.	CA	0.00	0.00	20.00	20.00	0.00	0.00	0.00	0.00	0.00	705222.00	705222.00	
14	Dhenkanal	Diversion of 141.872 ha of forest land for construction of Angul-Duburi-Sukinda Road New BG Rail link project (98.70 Km) by East Coast Railway.	CA	0.00	192.00		192.00	0.00	0.00	2066400.00	0.00	0.00	0.00	2066400.00	ANR with 400 plants per Ha
15	Dhenkanal	Diversion of 240.672 ha forest land including 2.776 ha SZ within the total ML area of 690.00 ha for Ananta Extension OCP (Phase-III) of M/s MCL Ltd.	CA		482.00		482	0.00	0.00	0.00	0.00	7691505.36	0.00	7691505.36	ANR with 800 plants per Ha
16	Koraput	Diversion of 11.377 ha of forest land for construction of 220KV (S/C) transmission line on DC tower from existing 220/33 KV sub-station of OPTCL at Laxmipur to premises of NALCo at Damanjodi in Koraput District by M/s NALCo Ltd.	CA	0.00	8.00	15.00	23.00	0.00	0.00	0.00	0.00	127659.84	528916.50	656576.34	ANR with 800 plants per Ha with approval
17	Koraput	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of	CA	0	96.419		96.419	0.00	734465.95	0.00	0.00	0.00	0.00	734465.95	AR of 96.4 ha is changed to ANR in NFL CA area and balance seedlings planted in 84.37 ha

		Kodingamali Bauxite Mines by M/s OMC Ltd.	Addl CA	84.366			84.366	1458983.42	0.00	0.00	0.00	0.00	0.00	1458983.42	DFL area with approvals ..
18	Koraput	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	CA	13.806			13.806	238754.06	0.00	0.00	0.00	0.00	0.00	238754.06	
19	Rayagada	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	CA	50			50	864675.00	0.00	0.00	0.00	0.00	0.00	864675.00	DFO did 50 ha AR plantation, , 224.03 ha not done
20	Rayagada	Diversion of 233.343 ha of DLC forest land including 10.283 of Safety Zone in Bapilimali Bauxite Mines by M/s Utkal Alumina International Ltd.	CA			146.113	146.113	0.00	0.00	0.00	0.00	0.00	5152105.10	5152105.10	DFO, did 146.11 ha Bald Hill Plantation, 87.23 ha not done.
21	Kalahandi South	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	CA			46.387	46.387	0.00	0.00	0.00	0.00	0.00	1635656.65	1635656.65	

22	Sambalpur	Diversion of 17.908 ha of forest land for expansion of existing Integrated Steel Plant by M/s SMC Power Generation Ltd.	CA	0			0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	AR 1.521 ha not done
23	Jharsuguda	Diversion of 17.908 ha of forest land for expansion of existing Integrated Steel Plant by M/s SMC Power Generation Ltd.	CA	16.387			16.387	283388.58	0.00	0.00	0.00	0.00	0.00	283388.58	
24	Jharsuguda	Diversion of 17.908 ha of forest land for expansion of existing Integrated Steel Plant by M/s SMC Power Generation Ltd.	PCA		37.00		37.00	0.00	0.00	398212.50	0.00	0.00	0.00	398212.50	ANR with 400Plants per Ha
<b>Total</b>				<b>247.7890</b>	<b>2826.6652</b>	<b>227.5000</b>	<b>3301.9542</b>	<b>4285139.07</b>	<b>13613698.33</b>	<b>4000337.30</b>	<b>2359921.74</b>	<b>7819165.20</b>	<b>8021900.25</b>	<b>4010016.190</b>	

**Second Year Maintenance cost of Left over Canal Bank Plantation of 2019-20 to be carried out during 2020-21**

SI No	Name of Division	Name of the Project	Component	Block in Ha	ANR in Ha	ANR without Gap Plantation In Ha	Canal Bank Plantation	Total in Ha	Amount Required for second year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs.298/- per MD					Remarks
									Block @ Rs.17293.50 per Ha ( AR Norm excluding fencing)	ANR with 400 plants per Ha @ Rs10762.50 per Ha	ANR without Gap Plantation Rs. 5321.40 per Ha	Canal Bank Plantation ( In Avenue Plantation Mode) @ Rs. 46511.33/- per RKM	Total	
2	Khariar	Lower Indra Maj Irrigation Project	Canal Bank Plantation	0	0	0	31.1 RKM	31.1 RKM	0	0	0	1446502.36	1446502.36	Canal Bank Plantation in Avenue Plantation mode with 250 plants per RKM.
<b>Total Canal Bank</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>31.1 RKM</b>	<b>31.1 RKM</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1446502.363</b>	<b>1446502.36</b>	

		Plantation												
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Second Year Maintenance cost of Left over CA of 2019-20 to be carried out during 2020-21														
SI No	Name of CA Division	Name of the Project	Component	Block in Ha	ANR in Ha	ANR without Gap Plantation In Ha	Canal Bank Plantation	Total in Ha	Amount Required for second year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs.298/- per MD					Remarks
									Block with 1600 plants @ Rs.17293.50 per Ha ( AR Norm excluding fencing)	ANR with 400 plants per Ha @ Rs1076 2.50 per Ha	ANR without Gap Plantation Rs. 5321.40 per Ha	Canal Bank Plantation ( In Avenue Plantation Mode) @ Rs. 46511.33/- per RKM for 250 plants per Km.	Total	
1	Kalahandi South	Diversion of 279.351 ha Forrest land including 2.790 ha Safety zone area in addition to 146.047 ha Forest land already diverted in South Kaliapani Crohmite mines by M/S OMC Ltd	CA	0	4.48	0	0	4.48	0	48216.00	0	0	48216.00	4.48 ha AR plantation converted to ANR with 400 plants by DFO.
2	Sundargarh	Diversion of 276.655 ha forest land including 4.42 ha of Safety Zone and 76.19 ha area which is to be treated as FOREST as per dictionary meaning in Manoharpur Coal Block of IB Valley Coalfield in Sundargarh District by OPGC Ltd.	CA	0	0	67.27	0	67.27	0	0.00	357970.578	0	357970.58	
3	Sundargarh	Diversion of 276.655 ha forest land including 4.42 ha of Safety Zone and 76.19 ha area which is to be treated as FOREST as per dictionary meaning in Manoharpur Coal Block of IB Valley Coalfield in Sundargarh District by OPGC Ltd.	CA	0	0	3.10	0.00	3.10	0	0.00	16496.34	0	16496.34	
4	Sundargarh	TRB Iron ore minning lease of Jindal Strips Ltd. now Jindal Steel	CA	0	0	22.80	0.00	22.80	0	0.00	121327.92	0	121327.92	

		& Power Ltd.												
		<b>Total CA</b>		<b>0.00</b>	<b>4.48</b>	<b>93.17</b>	<b>0.00</b>	<b>97.65</b>	<b>0.00</b>	<b>48216.00</b>	<b>495794.84</b>	<b>0.00</b>	<b>544010.84</b>	

**Second Year Maintenance cost of Other Stipulations of 2019-20 to be carried out during 2019-20**

SI No	Name of CA Division	Name of the Project	Component	Block in Ha	ANR in Ha	Bald Hill	Total in Ha	Amount Required for first year planting operation to be released during 2019-20 as per Approved Cost Norm @ Rs.286.30 per MD						Remarks	
								Block with 1600 plants @ Rs.17293.50 per Ha ( AR Norm excluding fencing)	ANR with 200 plants per Ha @ Rs. 7617.44 per Ha	ANR with 400 plants per Ha @ Rs10762.50 per Ha	ANR with 600 plants per Ha @ Rs. 13273.05 per Ha	ANR with 800 plants per Ha @ Rs.15957.48 per Ha	Bald Hill Plantation @ Rs. 35261.10/- per Ha.(excluding fencing cost)		Total
1	Keonjhar	Diversion of 41.2442 ha of forest land for the broken up area out of proposed diversion of 117.9648 ha of forest land ( 216.3617 ha proposed originally) for mining of iron ore in Gandhamardan Block A of M/s OMC Ltd.	SZ	0	3.029	0	3.029	0	23073.23		0	0	0	23073.22576	
2	Keonjhar	Diversion of 41.2442 ha of forest land for the broken up area out of proposed diversion of 117.9648 ha of forest land ( 216.3617 ha	1.5 SZ	0	4.5435	0	4.5435	0	34609.84	0	0	0	0	34609.83864	

		proposed originally) for mining of iron ore in Gandhamardan Block A of M/s OMC Ltd.													
3	Keonjhar	Diversion of 151.94 ha forest land for four/six laning, widening and strengthening of existing two lane of NH-215 from 0.00 Km to 163.00 Km by NHAI ( Panikoili-Remuli Section)	10 time tree plantation	0	501.60	0.00	501.60	0	4336833.60		0		0	4336833.60	ANR with 300 Plants per Ha . As per approved scheme, 2nd year cost is Rs. 8646/- per Ha @ Rs. 298/- MD.
4	Sundargarh	Diversion of 88.899 ha forest land including 1.665 ha Safety Zone within total mining lease over 653.828 ha in Garjanbahal OCP by M/s MCL Ltd.	1.5 SZ	0.00	2.50		2.50	0	0.00	26906.25	0	0	0	26906.25	ANR with 400 Plants per Ha
5	Sundargarh	Diversion of 88.899 ha forest land including 1.665 ha Safety Zone within total mining lease over 653.828 ha in Garjanbahal OCP by M/s MCL Ltd.	Gap Plantation		19.54		19.54	0	147722.40	0	0	0	0	147722.40	ANR with 300 Plants per Ha . As per approved scheme, 2nd year cost is Rs 7560/- @Rs.298 /- MD.



6	Sundargarh	Diversion of 60.058 ha forest land for laying 2nd 765 KV?DC transmission line from Jharsuguda Pooling Station at Kenapali to Dharamjayagarh Pooling Station near Korba in Chhatisgarh State by M/s PGCIL	Dwarf Tree Plantation	8.964	42.130		51.094	155018.934	320922.75	0	0	0	0	475941.68	
7	Sundargarh	Diversion of 18.910 ha Rev forest land for construction of 765 KV/DC transmission line from Pooling Station at Kenapali to Darlipali STPS of NTPC Ltd. By M/s PGCIL	Dwarf Tree Plantation	2.822	13.263		16.085	48802.257	101030.11	0	0	0	0	149832.3637	
8	Koraput	Diversion of 11.377 ha of forest land for construction of 220KV (S/C) transmission line on DC tower from existing 220/33 KV sub-station of OPTCL at Laxmipur to premises of NALCo at Damanjodi in Koraput District by M/s NALCo Ltd.	Dwarf Tree Plantation	9.00	0.00	0.00	9.00	1901826	0.00	0	0	0	0	1901826.00	3333 plants per Ha @ Rs 211314/- per ha as per approved Scheme @ Rs.298/- MD

9	Koraput	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	1.5 SZ			27.147	27.147	0	0.00	0	0	0	957233.08 17	957233.08	
10	Koraput	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	Gap Plantation		225.00		225.00	0	1713924.00	0	0	3590433	0	5304357.00	ANR with 800 Plants per Ha

11	Koraput	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	Soil Conservation	0	500.00	100	600.00	0	3808720.00	3228750	0	3191496	3526110	13755076.00	ANR @ 400 Plants per ha over 300 ha, ANR @ 800 Plants per ha over 200 ha. Bald Hill plantation without fencing over 100 ha
12	Rayagada	Diversion of 434.935 ha forest land (428.075 ha forest land within Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.	Gap Plantation		35.00		35.00	0	0.00	0	0	558511.80	0	558511.80	ANR with 800 Plants per Ha
13	Rayagada	Diversion of 434.935 ha forest land (428.075 ha forest land within	Soil Conservation		200.00		200.00	0	0.00	0	0	3191496.00	0	3191496.00	ANR with 800 Plants per Ha

		Kodingamali Bauxite Mining lease including 18.098 ha Safety Zone and 6.86 ha of forest land outside the ML area for construction of approach road to the mining lease) for mining of Kodingamali Bauxite Mines by M/s OMC Ltd.													
14	Rayagada	Diversion of 233.343 ha of DLC forest land including 10.283 of Safety Zone in Bapilimali Bauxite Mines by M/s Utkal Alumina International Ltd.	1.5 SZ		23.64		23.64	0	0.00	0	0	377234.83	0	377234.83	ANR with 800 Plants per Ha
15	Rayagada	Diversion of 233.343 ha of DLC forest land including 10.283 of Safety Zone in Bapilimali Bauxite Mines by M/s Utkal Alumina International Ltd.	Gap Plantation		37.53		37.53	0	285882.52	0	0	0	0	285882.52	
16	Angul	Diversion of 240.672 ha forest land including 2.776 ha SZ within the total ML area of 690.00 ha for Ananta Extension OCP (Phase-III) of M/s MCL Ltd.	1.5 SZ	0	4.2	0	4.20	0	31993.25	0	0	0	0	31993.25	

17	Angul	Diversion of 240.672 ha forest land including 2.776 ha SZ within the total ML area of 690.00 ha for Ananta Extension OCP (Phase-III) of M/s MCL Ltd.	Gap Plantation		49.587		49.587	0	377726.00	0	0	0	0	377726.00	
18	Cuttack	Diversion of 330.972 ha of Sabik Kissam forest land as on 25.10.1980 in addition to already diverted forest land of 73.697 ha in Sukinda Chromite Mines by M/s Tata Steel Ltd.	Gap Plantation			28.60	28.60	0	0.00	0	0	0	799548.75	799548.75	Bald Hill plantation with 800 plants per Ha. @ Rs.27956.25 /-per ha @ 298 MD.
			<b>Total</b>	<b>20.786</b>	<b>1661.563</b>	<b>155.747</b>	<b>1838.096</b>	<b>2105647.19</b>	<b>11182437.69</b>	<b>3255656.25</b>	<b>0.00</b>	<b>10909171.63</b>	<b>5282891.83</b>	<b>32735804.59</b>	
19	Keonjhar	Uchabali Iron & Mn Mines of Smt Indrani Pattnaik	Awareness Programme	0	0	0	0	0.00						0.00	Nosecond year maintenance.
													<b>Grand Total</b>	<b>32735804.59</b>	

**Third year maintenance of Surrendered Backlog CA Target of 2018-19 to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	Component	Block In Ha	ANR In Ha	Bald Hill in Ha	Total In Ha	Amount Required for third year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs298/- per MD				Remarks			
								Block with 1600 plants per Ha @ Rs.12028.80 per Ha (AR plantation excluding repair of fence)	ANR with 200 plants per Ha @ Rs.3339.00 per Ha	Bald Hill excluding fencing @ Rs.18148.20 per Ha	Total				

<b>(A) Problematic Backlog CA taken up during 2018-19</b>											
1	Keonjhar	Kasia Iron and Dolomite Mines by M/s Essel Mining & Industries Ltd.	CA	0	2.321	0	2.321	0	7749.82	0.00	7749.82
2	Keonjhar	RML of Gandhamardan Block-B Iron Ore mines by M/s OMC Ltd.	CA	0	27.90	0.00	27.90	0	93158.10	0.00	93158.10
3	Keonjhar	Joda West Iron & Mn Mines of M/s Tata Steel Ltd.	CA	0	122.1608	0.00	122.1608	0	407894.91	0.00	407894.91
<b>Total A</b>				<b>0</b>	<b>152.3818</b>	<b>0</b>	<b>152.38</b>	<b>0.00</b>	<b>508802.83</b>	<b>0.00</b>	<b>508802.83</b>
<b>(B) Surrendered Backlog CA taken up during 2018-19</b>											
4	Kalahandi South	Lanjigarh-Junagarh BG Railway line in Kalahandi District	CA	0	0	48.25	48.25	0	0.00	875650.65	875650.65
5	Berhampur	Regularisation of Pre-80 encroachment in Ganjam District.	CA	0	0.00	0.00	0.00	0	0.00	0.00	0.00
<b>Total B</b>				<b>0</b>	<b>0</b>	<b>48.25</b>	<b>48.25</b>	<b>0</b>	<b>0.00</b>	<b>875650.65</b>	<b>875650.65</b>

<b>Third year maintenance cost of Back log CA of old projects (for the projects approved from 1982 to 2004) of 2018-19 to be carried out during 2020-21</b>										
SI No	Name of the Division	Name of the Project	Component	Block In Ha	ANR with 200 Plants per Ha (In Ha)	Total In Ha	Amount Required for third year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs298/- per MD			Remarks
							Block with 1600 plants per Ha @ Rs.12028.80 per Ha (AR plantation excluding repair of fence)	ANR with 200 plants per Ha @ Rs.3339.00 per Ha	Total	
1	Keonjhar	Daitary- Bansapani Railwayline	CA	0.0000	12.3966	12.3966	0.00	41392.25	41392.25	ANR with 400 Plants per ha.
				0.0000	47.0000	47.0000	0.00	176475.60	176475.60	
2	Keonjhar	Joda-Bamebari Express Way-II	CA	0.0000	10.0000	10.0000	0.00	33390.00	33390.00	
3	Keonjhar	Balani SAIL (5.10 Sq Mile)	CA	0.0000	49.9996	49.9996	0.00	166948.66	166948.66	
4	Keonjhar	Belakundi Mines of M/s OMDC Ltd.	CA	0.0000	89.6000	89.6000	0.00	299174.40	299174.40	

5	Keonjhar	Palsa-Jaribahal M/s Patnaik Minerals	CA	0.0000	6.3580	6.3580	0.00	21229.36	21229.36	
6	Keonjhar	Thakurani Iron Mines of M/s Kaypee Enterprises	PCA	0.0000	85.6860	85.6860	0.00	286105.55	286105.55	
7	Keonjhar	Balda Block Iron Mines of M/s Serajudin & Co	CA	0.0000	0.0000	0.0000	0.00	0.00	0.00	
8	Keonjhar	Thakurani Iron Mines of M/s Sarada Mines Ltd.	CA	0.0000	182.0685	182.0685	0.00	607926.72	607926.72	
9	Bonai	Tailing Dam for water supply to SAIL Rourkela	CA	0.0000	92.6700	92.6700	0.00	309425.13	309425.13	
10	Deogarh	Rengali Maj IP	CA	35.5800	0.0000	35.5800	427984.70	0.00	427984.70	
11	Cuttack	Construction of Steel Plant in Duburi area by M/s. Nilachal Ispat Nigam Ltd .	CA/PCA	40.0000	0.0000	40.0000	481152.00	0.00	481152.00	As reported by DFO plantation has been during 2018-19 .
12	Rourkela	Setting of 2x3 KW FM Transmitter of AIR on Durgapur Hill Top	CA	0.1175	0.0000	0.1175	265.01	0.00	265.01	As reported by DFO are to be planted under scheme.3rd year calculated in block mode for 300 plants.(12028.80/2255.40 per Ha.
		<b>Total</b>		<b>75.6975</b>	<b>613.3067</b>	<b>689.0042</b>	<b>909401.71</b>	<b>2067373.67</b>	<b>2976775.38</b>	

**Third Year Maintenance of CA PCA Addl CA of 2018-19 to be carried out during 2020-21**

No	Name of CA Division	Name of the Project	Component	Block in Ha	ANR in Ha	Total in Ha	Amount Required for third year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs298/- per MD			Remarks
							Block with 1600 plants per Ha @ Rs. 12028.80( AR plantation excluding repair of fence)	ANR with 200 plants per Ha @ Rs. 3339.00 per Ha	Total	
		<b>Current Projects</b>								
1	Jharsuguda	Diversion of 159.18 ha of forest land including 2.51 ha Safety Zone for expansion of Lajkura OCP by M/s MCL Ltd.	CA	0.00	100.00	100.00	0.00	333900.00	333900.00	
	Bamra WL	Diversion of 159.18 ha of forest land including 2.51 ha Safety Zone for expansion of Lajkura OCP by M/s MCL Ltd.	CA	0.00	213.34	213.34	0.00	712342.26	712342.26	
2	Sundargarh	Construction of Belt Conveyor Corridor for transportation of Washed Coal from Hemgiri Coal Washery to Railway Siding by M/s ACB (India) Ltd.	CA	2.929	0.00	2.929	35232.36	0.00	35232.36	

3	Chandaka WL	Diversion of 0.2931 ha of forest land for the existing Earth Station of Software Technology Parks of India over Plot No GD-1/B (S-3) Chadrasekharapur, Bhubaneswar.	PCA (2344 Plants)	1.465	0.00	1.465	154041.59	0.00	154041.59	Block Plantation in Urban Tree Plantation Mode.3rd year cost @ Rs. 65717.40 per 1000 Nos.
4	Rourkela	Diversion of 18.053 ha ( 17.373 ha for minig and allied activities + 0.68 ha for Safety Zone purpose) of forest land for Kusumdihi and Kamando Bauxite & Mn mines by M/s Rungta Sons (P) Ltd	CA	9.654	0.00	9.654	116126.04	0.00	116126.04	
	Bonai	Diversion of 18.053 ha ( 17.373 ha for minig and allied activities + 0.68 ha for Safety Zone purpose) of forest land for Kusumdihi and Kamando Bauxite & Mn mines by M/s Rungta Sons (P) Ltd	CA	7.719	0.00	7.719	92850.31	0.00	92850.31	
	Bonai	Diversion of 18.053 ha ( 17.373 ha for minig and allied activities + 0.68 ha for Safety Zone purpose) of forest land for Kusumdihi and Kamando Bauxite & Mn mines by M/s Rungta Sons (P) Ltd	PCA	0	90.265	90.265	0.00	301394.84	301394.84	
5	Keonjhar WL	Diversion of 8.09 ha of DLC forest land for extraction of stone boulder to be used for construction of Panikoili-Remuli four lane project NH-215 by M/s Gayatri Ltd.	CA	8.09	0.00	8.09	97312.99	0.00	97312.99	
6	Bonai	Diversion of 28.324 ha forest land ( including 2.685 ha SZ) in village Kusumdihi and Kamando Mn Mines by M/s OMM (P) Ltd.during 3rd renewal of mining lease.	CA	8.217	0.00	8.217	98840.65	0.00	98840.65	
	Bonai	Diversion of 28.324 ha forest land ( including 2.685 ha SZ) in village Kusumdihi and Kamando Mn Mines by M/s OMM (P) Ltd.during 3rd renewal of mining lease.	PCA	0	84.972	84.972	0.00	283721.51	283721.51	
7	Sundargarh	Diversion of 19.70 ha of forest land for establishment of Railway corider of Darlipali Super Thermal Power Project of M/s NTPC Ltd.	CA	39.40	0.00	39.40	473934.72	0.00	473934.72	
8	Jharsuguda	Diversion of 0.82 ha of forest land for laying of 132 KV transmission line by M/s SMC Power Generation Ltd at Village Hirma	CA (plantation inside and around the project area)	1.00	0.00	1.00	12028.80	0.00	12028.80	
	Jharsuguda	Diversion of 0.82 ha of forest land for laying of 132 KV transmission line by M/s SMC Power Generation Ltd at Village Hirma	PCA	4.10	0.00	4.10	49318.08	0.00	49318.08	



9	Keonjhar	Diversion of 30.980 ha forest land for Iron ore mining by M/s Sree Metalicks Ltd.	CA	0.00	31.00	31.00	0.00	116398.80	116398.80	ANR with gap plantation @ 400 plants per ha. 3rd year maintenance cost @ Rs. 3754.80 per Ha.
	Keonjhar	Diversion of 30.980 ha forest land for Iron ore mining by M/s Sree Metalicks Ltd.	ACA	0.00	31.00	31.00	0.00	103509.00	103509.00	
10	Angul	Diversion of 12.63 ha of forest land for laying of slurry pipe line for disposal of ash from Captive Power Plant (CPP) of NALCO to Bharatpur South Coal Block of MCL and to bring back decanted water from the mines after treatment to CPP for re-use.	CA	0.00	26.00	26.00	0.00	86814.00	86814.00	
11	Dhenkanal	Diversion of 12.63 ha of forest land for laying of slurry pipe line for disposal of ash from Captive Power Plant (CPP) of NALCO to Bharatpur South Coal Block of MCL and to bring back decanted water from the mines after treatment to CPP for re-use.	Addl CA	0.00	13.485	13.485	0.00	59072.39	59072.39	ANR with gap plantation @ 600 plants per ha. 3rd year maintenance cost @ Rs. 4380.60 per Ha.
1	Jharsuguda	Diversion of 3.885 ha forest land in village Talmal for development of Jharsuguda Airport	CA	0.00	3.885	3.885	0.00	19449.86	19449.86	ANR with gap plantation @ 800 plants per ha. 3rd year maintenance cost @ Rs. 5006.40 per Ha.
2	Angul	Diversion of 6.682 ha of forest land for coal transportation to coal washery by M/s Jindal Steel & Power Ltd.	CA	6.682	0.00	6.682	80376.44	0.00	80376.44	
3	Keonjhar	Diversion of 0.1959 ha forest land for laying of slurry pipeline within Naibuga RF of Jhumpura Tahasil of Keonjhar District by M/s BRPL Ltd.	CA 0.1959 ha	0.1959	0.00	0.1959	2356.44	0.00	2356.44	
	Keonjhar	Diversion of 0.1959 ha forest land for laying of slurry pipeline within Naibuga RF of Jhumpura Tahasil of Keonjhar District by M/s BRPL Ltd.	PCA 0.5977 ha	0.00	0.5977	0.5977	0.00	1995.72	1995.72	
4	Khurdha	Diversion of 23.908 ha forest land for construction of LILO of both circuit of 400 KV Baripada-Mendhasal D/C transmission line from existing Mendhasal substation by PGCIL	CA	0.00	47.816	47.816	0.00	159657.62	159657.62	

5	Jharsuguda	Diversion of additional 22.48 ha forest land including 0.614 ha SZ in addition to already diverted 313.052 ha forest land for expansion of Samaleswar OCP by M/s MCL Ltd.	CA	44.00	0.00	44.00	529267.20	0.00	529267.20	
		<b>Total</b>		<b>133.4519</b>	<b>642.3607</b>	<b>775.8126</b>	<b>1741685.61</b>	<b>2178256.00</b>	<b>3919941.61</b>	
		<b>Left Over Projects</b>					0.00	0.00		
6	Keonjhar	Deojhar Iron Mines of M/s Tarini Minerals Ltd.	PCA	0.00	68.73	68.730	0.00	229489.47	229489.47	PCA stipulated in Stage-II approval Order.
7	Dhenkanal	Integrated Steel Plant by M/s Bhushan Steel & Strips Ltd.	PCA	0.00	47.76	47.76	0.00	159470.64	159470.64	PCA stipulated in Stage-II approval Order.
	Dhenkanal	Integrated Steel Plant by M/s Bhushan Steel & Strips Ltd.	PCA	0.00	307.40	307.40	0.00	1026408.60	1026408.60	PCA stipulated in Stage-II approval Order.
		<b>Total</b>		<b>0.0000</b>	<b>423.8900</b>	<b>423.8900</b>	<b>0.00</b>	<b>1415368.71</b>	<b>1415368.71</b>	
		<b>Grand Total</b>		<b>133.4519</b>	<b>1066.2507</b>	<b>1199.7026</b>	<b>1741685.61</b>	<b>3593624.71</b>	<b>5335310.32</b>	

**Third Year maintenance of other stipulations of 2018-19 to be carried out during 2020-21**

SI No	Name of CA Division	Name of the Project	Component	Block in Ha	ANR in Ha	Total in Ha	Amount Required for third year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs298/- per MD			Remarks
							Block with 1600 plants per Ha @ Rs. 12028.80( AR plantation excluding repair of fence)	ANR with 200 plants per Ha @ Rs. 3339.00 per Ha	Total	
		<b>(A) Current Projects</b>								
1	Jharsuguda	Diversion of 159.18 ha of forest land including 2.51 ha Safety Zone for expansion of Lajkura OCP by M/s MCL Ltd.	SZ	0	4.004	4.004	0.00	13369.36	13369.36	

2	Jharsuguda	Diversion of 159.18 ha of forest land including 2.51 ha Safety Zone for expansion of Lajkura OCP by M/s MCL Ltd.	1.5 SZ	3.765	0	3.765	45288.43	0.00	45288.43	
3	Jharsuguda	Diversion of 159.18 ha of forest land including 2.51 ha Safety Zone for expansion of Lajkura OCP by M/s MCL Ltd.	Gap Plantation	0	36.71	36.71	0.00	122574.69	122574.69	
4	Jharsuguda	Diversion of 0.82 ha of forest land for laying of 132 KV transmission line by M/s SMC Power Generation Ltd at Village Hirma	Dwarf tree plantation	0	0.82	0.82	0.00	2737.98	2737.98	
5	Bonai	Diversion of 28.324 ha forest land ( including 2.685 ha SZ) in village Kusumdihi and Kamando Mn Mines by M/s OMM (P) Ltd.during 3rd renewal of mining lease.	SZ	1.354	1.835	3.189	16287.00	6127.07	22414.06	
6	Bonai	Diversion of 28.324 ha forest land ( including 2.685 ha SZ) in village Kusumdihi and Kamando Mn Mines by M/s OMM (P) Ltd.during 3rd renewal of mining lease.	1.5 SZ	0	4.028	4.028	0.00	13449.49	13449.49	
7	Keonjhar	Diversion of 30.980 ha forest land for Iron ore mining by M/s Sree Metalicks Ltd.	SZ	0	3.26	3.26	0.00	12240.65	12240.65	ANR with gap plantation @ 400 plants per ha. 3rd year cost @Rs. 3754.80 per Ha.
8	Keonjhar	Diversion of 30.980 ha forest land for Iron ore mining by M/s Sree Metalicks Ltd.	1.5 SZ	0	7.191	7.191	0.00	24010.75	24010.75	
9	City	Diversion of 23.908 ha forest land for construction of LILO of both circuit of 400 KV Baripada-Mendhasal D/C transmission line from existing Mendhasal substation by PGCIL	Dwarf tree plantation	4.409	2.939	7.348	53034.98	9813.32	62848.30	
10	Khurdha	Diversion of 23.908 ha forest land for construction of LILO of both circuit of 400 KV Baripada-Mendhasal D/C transmission line from existing Mendhasal substation by PGCIL	Dwarf tree plantation	0	0	0	0.00	0.00	0.00	As reported by RCCF Bhubaneswar AR 8.064 ha and ANR 5.376 ha could not be taken up
11	Jharsuguda	Diversion of additional 22.48 ha forest land including 0.614 ha SZ in addition to already diverted 313.052 ha forest land for expansion of Samaleswar OCP by M/s MCL Ltd.	SZ	0	3.694	3.694	0.00	12334.27	12334.27	
12	Jharsuguda	Diversion of additional 22.48 ha forest land including 0.614 ha SZ in addition to already diverted 313.052 ha forest land for expansion of Samaleswar OCP by M/s MCL Ltd.	1.5 SZ	0.921	0	0.921	11078.52	0.00	11078.52	

13	Jharsuguda	Diversion of additional 22.48 ha forest land including 0.614 ha SZ in addition to already diverted 313.052 ha forest land for expansion of Samaleswar OCP by M/s MCL Ltd.	Gap Plantation	0	14.82	14.82	0.00	49483.98	49483.98	
		<b>Total</b>		<b>10.449</b>	<b>79.301</b>	<b>89.750</b>	<b>125688.93</b>	<b>266141.55</b>	<b>391830.48</b>	
		<b>(B) Left Over Projects</b>					0.00	0.00	0.00	
14	Baripada	Subarnarekha Maj Irrigation Project	CATP	0.00	0.00	0.00	0.00	0.00	0.00	As reported by DFO, Baripada division AR 150 ha, ANR 200 ha, Bamboo Plantation 65 ha, Sisal Plantation 45 ha and Vertiver Grass Plantation 35 ha ( Total 495 ha)could not be taken up.
15	Baripada	Subarnarekha Maj Irrigation Project	CATP	0.00	0.00	0.00	0.00	0.00	0.00	As reported by DFO, Baripada division AR 150 ha, ANR 225 ha, Bamboo Plantation 50 ha, Sisal Plantation 40 ha and Vertiver Grass Plantation 40 ha ( Total 505 ha) could not be taken up.
		<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	0.00	0.00	<b>0.00</b>	
		<b>Total A +B</b>		<b>10.449</b>	<b>79.301</b>	<b>89.75</b>	<b>125688.93</b>	<b>266141.55</b>	<b>391830.48</b>	
		<b>(C) Other Stipulations</b>					0.00	0.00		
16	Dhenkanal	Laying of Water Pipiline and construction of Railway Siding in Kharagprasad by M/s Naba Bharat Ventures Ltd.	Avenue Plantation	0	0	640 No of trees	0.00	0.00	72092.16	3rd year maintenance cost of Avenue Plantation @ Rs 28161.00 per 250 plants
17	Berhampur	Construction of Light House at Prayagi	10 time tree plantation	0.00	0.00	1660 Nos Casuarina Tree	0.00	0.00	15307.72	3rd year maintenance cost of Casuarina Plantation @ Rs. 23053.80 6per 2500 plants
18	Keonjhar	Uchabali Iron & Mn Mines of Smt Indrani Pattnaik	Awareness Programme	0	0	0.00	0.00	0.00	0.00	No second year maintenance as per approved Scheme
		<b>Total</b>				<b>2300 Nos</b>			<b>87399.88</b>	
		<b>Grand Total A+B+C</b>							<b>479230.36</b>	

**Third Year maintenance of Surrendered CA,PCA,Addl CA of 2018-19 to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	Component	Block in Ha	ANR in Ha	Total Area in Ha	Amount Required for third year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs298/- per MD			Remarks
							Block with 1600 plants per ha @ Rs. 12028.80( AR plantation excluding repair of fence)	ANR with 200 plants per Ha @ Rs. 3339.00 per Ha	Total	
1	Keonjhar WL	Daitary Expansion Project of M/s OMC Ltd.	CA	0.0000	42.0000	42.0000	0.00	140238.00	140238.00	Out of AR 46 ha , 4 ha AR taken up during 2017-18. 42 ha AR converted to ANR by DFO as Forest growth came up in the CA area and taken up during 2018-19.
2	Keonjhar WL	Jilling - Longlota Mines of M/s Essel Mining & Industries Ltd.	CA	0.0000	30.8047	30.8047	0.00	102856.89	102856.89	30.8047 ha AR converted to ANR by DFO as Forest growth came up in the CA area and taken up during 2018-19
3	Cuttack	South Kaliapani Chromite Mines of M/s OMC Ltd.	PCA	3.2200	0.0000	3.2200	38732.74	0.00	38732.74	Not undertaken during 2017-18 and DFO proposed to take up during 2018-19.
<b>Total</b>				<b>3.2200</b>	<b>72.8047</b>	<b>76.0247</b>	<b>38732.74</b>	<b>243094.89</b>	<b>281827.63</b>	

**Third Year maintenance of Other Stipulation of 2018-19 to be taken up during 2020-21**

SI No	Name of CA Division	Name of the Project	Component	Block in Ha	ANR in Ha	Total in Ha	Amount Required for third year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs298/- per MD			Remarks
							Block @ Rs. 12028.80( AR plantation excluding repair of fence)	ANR with 200 plants per Ha @ Rs. 3339.00 per Ha	Total	
1	City	Construction of 4/6 laning of Bhubaneswar to Puri NH-203	Avenue Plantation	0	0	5000 Nos	0.00	0.00	563220.00	As reported by DFO City division, 5000 Nos has been planted out of 8000Nos. 3rd year maintenance cost of Avenue Plantation @ Rs

											28161.00 per 250 plants.
			Repair Cost of Gabion					0.00		250000.00	@ 50 per gabion
2	Puri WL	Construction of 4/6 laning of Bhubaneswar to Puri NH-203	Avenue Plantation	0	0			0.00		225288.00	As reported by DFO Puri WL division, out of target of 7959 nos, 2000 nos could be planted. Avenue plantation. 3rd year maintenance cost of Avenue Plantation @ Rs 28161.00 per 250 plants.
			Repair Cost of Gabion			2000 Nos		0.00		100000.00	@ 50 per gabion
3	Berhampur	Ganjam-Sunakhala NH	Avenue Plantation	0	0	0		0.00		0.00	As reported by DFO Berhampur division 30.348 RKM avenue plantation could not be taken up.
			Cost of Gabion			0		0.00		0.00	
			Median Plantation	0	0	0		0.00		0.00	As reported by DFO Berhampur division 5.531 Km median plantation could not be taken up.
		<b>Total</b>	<b>Avenue Plantation of 7000 Nos</b>							<b>1138508.00</b>	

Fourth Year Maintenance of Surrendered CA, PCA, Addl CA and Special Plantation of 2017-18 to be taken up during 2020-21												
SI No	Name of the Division	Name of the Project	CA/PCA /Addl CA	Block in Ha	ANR in Ha	Bald Hill in Ha	Total in Ha	Amount Required for fourth year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs.298/- MD				Remarks
								Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	ANR with 400 plants per Ha @ Rs.938.70 per Ha	Bald Hill @ Rs. 16583.70/- per Ha	

1	Sundargarh	TRB Iron ore minning lease of Jindal Strips Ltd. now Jindal Steel & Power Ltd.	CA	0.000	160.000	0.000	160.000	0.00	0.00	150192.00	0.00	150192	Original target is AR 40 ha. As reported by DFO, 17.20 ha is under encroachment and in balance 22.80 ha, forest growth came up in the identified CA land. As per instruction of MoEF & CC, number of seedlings as proposed in the CA scheme are to be planted in degraded forest land. Thus, the DFO has taken up 160 ha ANR plantation with 400 plants per ha in degraded forest land. 3rd year cost of ANR with 400 plants for July-September is Rs.2254.61 per Ha.
2	Sundargarh	Diversion of 276.655 ha forest land including 4.42 ha of Safety Zone and 76.19 ha area which is to be treated as FOREST as per dictionary meaning in Manoharpur Coal Block of IB Valley Coalfield in Sundargarh District by OPGC Ltd.	Addl CA	0.000	77.180		77.180	0.00	0.00	72448.87	0.00	72448.866	Original target was AR 196.045 ha, As reported by DFO, 27.548 ha is under encroachment, 24.957 ha already planted during 2015-16 under CAMPA ANR plantation, in balance 143.54 ha forest growth came up in the identified CA land. The DFO converted 77.18 ha AR to ANR with 400 plants per ha in the identified CA area. As per instruction of MoEF & CC, number of seedlings as proposed in the CA scheme are to be planted in degraded forest land. Thus, the DFO has taken up ANR plantation with 400 plants per ha of balance seedlings in 707 ha degraded forest land. 3rd year cost of ANR with 400 plants is Rs.2254.61 per Ha.
					707.000		707.000	0.00	0.00	663660.90	0.00	663660.9	
3	Sundargarh	Diversion of 276.655 ha forest land including 4.42 ha of Safety Zone and 76.19 ha area which is to be treated as	CA	0	74.00		74.000	0.00	0.00	69463.80	0.00	69463.8	Original target was 28.14ha AR and 49.03 ha ANR. AR 28.14 ha Converted to ANR by DFO as forest growth came up in the identified CA land. As per instruction of MoEF & CC, number of seedlings as
					63.00		63.000	0.00		59138.10	0.00	59138.1	

		FOREST as per dictionary meaning in Manoharpur Coal Block of IB Valley Coalfield in Sundargarh District by OPGC Ltd.											proposed in the CA scheme are to be planted in degraded forest land. The DFO has taken up 74.00 ha ANR with 400 plants per ha in identified CA area and 63 ha ANR with 400 plants per ha in degraded forest land for balance seedlings. 3rd year cost of ANR with 400 plants is Rs.2254.61 per Ha.
4	Sundargarh	Railway siding of Merry-Go-Round (MGR System) in Sundargarh and Jharsuguda district by M/s Odisha Power Generation Corporation Ltd.	CA	0.000	114.700	0.000	114.700	0.00		107668.89	0.00	107668.89	Original target was 114.70 ha AR. AR converted to ANR by DFO as forest growth came up in the identified CA land. As per instruction of MoEF & CC, number of seedlings as proposed in the CA scheme are to be planted in degraded forest land. The DFO has proposed to take up 114.70 ha ANR with 400 plants per ha in identified CA area and 345 ha ANR with 400 plants per ha in degraded forest land for balance seedlings. 3rd year cost of ANR with 400 plants is Rs.2254.61 per Ha.
					345.000		345.000	0.00		323851.50	0.00	323851.50	
5	Keonjhar WL	Daitary Expansion Project of M/s OMC Ltd.	CA	4.000	0.000	87.000	91.000	22528.80	0.00	0.00	1442781.90	1465310.7	Original target was AR 46 ha and Bald Hill 87 ha. DFO has taken up 4 ha AR and 87 ha Bald hill this year. Rest 42 ha AR converted to ANR by DFO as forest growth came up in the identified CA land, and taken up next year (i.e 2018-19).
6	Keonjhar WL	Jilling - Longlota Mines of M/s Essel Mining & Industries Ltd.	CA	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0	Block Converted to ANR by DFO as forest growth came up in the identified CA land and taken up next year (i.e 2018-19).
7	Dhenkanal	Sarkunda Mines of M/s Feegrade & Co	CA	0.000	255.1470	0.000	255.147	0.00	239506.49	0.00	0.00	239506.4889	Block Converted to ANR with 200 seedlings by DFO as forest growth came up in the identified CA land.
8	Rourkela	Raikela Mines of Geetarani Mohanty	CA	65.4600	0.000	0.000	65.460	368683.81	0.00	0.00	0.00	368683.812	



		<b>Total</b>		<b>69.46 00</b>	<b>1796. 0270</b>	<b>87.0000</b>	<b>1952.4 870</b>	<b>391212.6 1</b>	<b>239506.49</b>	<b>1446424.06</b>	<b>1442781.9 0</b>	<b>3519925 .06</b>	
		<b>Other Stipulation</b>											
9	Angul	Railway Siding Utkal Coal Ltd	100 tree plantatio n				100 tree plantati on					5819.94	Fourth year maintenance @ Rs.58199.40 per 1000 plants Urban Plantation
		<b>Total Other Stipulation</b>					<b>100 tree plantat ion</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5819.94</b>	
		<b>Grand Total</b>		<b>69.46 00</b>	<b>1796. 0270</b>	<b>87.0000</b>	<b>1952.4 870</b>	<b>391212.6 1</b>	<b>239506.49</b>	<b>1446424.06</b>	<b>1442781.9 0</b>	<b>3525745 .00</b>	
							<b>+ 100 tree plantat ion</b>						

Fourth Year Maintenance of Backlog CA of 2017-18 to be taken up during 2020-21											
SI No	Name of the Division	Name of the Project	CA/PCA/ Addl CA	Block in Ha	ANR in Ha	Bald Hill In Ha	Total in Ha	Funds Required for fourth Year Maintenance as per approved cost norm @ Rs.298/- per MD			Remarks
								Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Total	
1	Angul	Construction of Railwayline from Kalinga OCP Talcher to Angul Railway Station by M/s MCL Ltd.	CA/PCA ANR 2.48 ha	0	0.000	0.000	0.000	0.00	0.00	0.00	No fourth year maintenance as per approved Scheme.
2	Cuttack	Gurujanga Chromite Mines of Late M. Aikath in village Ostapal	CA	0.00	0.00	0.00	0.000	0.00	0.00	0.00	As reported by DFO, 14.836 ha Plantation could not be taken up during 2017-18
3	Cuttack	Damanijhar MIP	CA	0.00	0.00	0.00	0.000	0.00	0.00	0.00	As reported by DFO, 25.20 ha Plantation could not be taken up during 2017-18
4	Cuttack	Mining of Chromite in forest block No.27 of Mahagiri DPF by M/s Balasore Alloys Ltd.	CA	0.00	0.00	0.00	0.000	0.00	0.00	0.00	As reported by DFO, 22.25 ha Plantation could not be taken up during 2017-18
5	Cuttack	Establishment of Integrated Steel Plant & Captive part by POSCO India Private Ltd., Jagatsinghpur	CA	0.00	50.923	0.00	50.923	0.00	47801.42	47801.42	As reported by DFO, plantation over 50.923 ha could be undertaken out of 365.881 ha during 2017-

											18.
6	Ghumsur South	Regularisation of Pre-80 encroachment in Reserved Forest of Ganjam District, Odisha	CA 1675 ha	0.00	0.00		0.000	0.00	0.00	0.00	No fourth year maintenance as per approved Scheme.
7	Kalahandi South	Lanjigarh-Junagarh BG Railway line in Kalahandi District	CA	0.00	0.00	0.00	0.000	0.00	0.00	0.00	Block Plantation of 48.25 ha converted to Bald Hill plantation by DFO. The DFO has intimated to take up the plantation next year.
8	Sundargarh	Strengthening & Widening of existing PWD road from Sundergarh to Duduka by MCL	CA 1.238 ha	0.000	0.00	0.00	0.000	0.00	0.00	0.00	No fourth year maintenance as per approved Scheme.
9	Bonai	RML Nadidihi (Rengalbeda-Nadikasira) mines of M/S Bonai Industrial Co. Ltd.	CA	0	10.590	0.000	10.590	0.00	9940.83	9940.83	
10	Keonjhar	220 KV Single Circuit Line on Double circuit tower from Joda Grid Sub-station to Factory premises of TSIL.	CA/PCA	0.00	0.00	0.00	0.000	0.00	0.00	0.00	No fourth year maintenance as per approved Scheme.
11	Baripada	Sankaramara MIP	CA/PCA	0.000	0	0	0.000	0.00	0.00	0.00	No fourth year maintenance as per approved Scheme.

**Fourth Year Maintenance of Current CA PCA Addl CA of 2017-18 to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	Component	Block in Ha	ANR in Ha	Bald Hill In Ha	Total in Ha	Funds Required for fourth Year Maintenance as per approved cost norm @ Rs.298/- per MD				Remarks
								Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Bald Hill @ Rs. 16583.70/- per Ha	Total	
1	Berhampur	Construction of Ghatakeswar Multi Purpose Project	CA	0.00	0.00	65.00	65.00	0.00	0.00	1077940.50	1077940.50	
2	Angul	Construction of Talcher-Bimalgarh new BG Rail link by	CA	0.00	48.50	0.00	48.50	0.00	45526.95	0.00	45526.95	

		East Coast Railway										
3	Cuttack	Establishment of Standalone Cement Grinding Unit in Tangi-Choudwar Tahasil of Cuttack District & Darpan Tahasil of Jajpur District by M/s OCL India Ltd.	PCA	0.000	9.780	0.000	9.78	0.00	9180.49	0.00	9180.49	
4	Cuttack	South Kaliapani Chromite Mines of M/s OMC Ltd.	PCA	0.000	0.000	0.000	0	0.00	0.00	0.00	0.00	As reported by DFO, 3.22 ha plantation could not be taken up during 2017-18.
5	Cuttack	Salijanga Quartz & Quartzite mining by Sri P.N. Sahu	CA	3.197	0.000	0.000	3.197	18006.14	0.00	0.00	18006.14	
6	Cuttack	Salijanga Quartz & Quartzite mining by Sri P.N. Sahu	PCA	0.000	6.000	0.000	6.000	0.00	5632.20	0.00	5632.20	
7	Dhenkanal	South Kaliapani Chromite Mines of M/s OMC Ltd.	CA	0.000	272.076	0.000	272.076	0.00	255397.74	0.00	255397.74	
8	Dhenkanal	Construction of integrated steel plant and captive power plant at Jharbandh by M/s Rungta Mines Pvt. Ltd.	CA	3.156	0.000	0.000	3.156	17775.22	0.00	0.00	17775.22	
9	Kalahandi South	South Kaliapani Chromite Mines of M/s OMC Ltd.	CA	0.000	0.000	0.000	0	0.00	0.00	0.00	0.00	As ascertained from DFO, 4.48 ha plantation could not be taken up during 2017-18.

10	Keonjhar	Uchabali Iron & Mn Mines of Smt Indrani Pattnaik	CA	0.000	64.332	0.000	64.332	0.00	60388.45	0.00	60388.45	Block Converted to ANR with 200 seedlings by DFO as forest growth came up in the identified CA land.
11	Bonai	Raikela Iron Mines of Sri Prabodh Mohanty	CA	0.000	1.634	0.000	1.634	0.00	1533.84	0.00	1533.84	
12	Bonai	Raikela Iron Mines of Sri Prabodh Mohanty	PCA	0.000	25.000	0.000	25	0.00	23467.50	0.00	23467.50	
13	Sundargarh	Dulanga Coal Block by M/s NTPC Ltd.	CA	0.000	609.500	0.000	609.50	0.00	572137.65	0.00	572137.65	
		<b>Total</b>		<b>6.3530</b>	<b>1036.8220</b>	<b>65.0000</b>	<b>1108.1750</b>	<b>35781.37</b>	<b>973264.81</b>	<b>1077940.50</b>	<b>2086986.68</b>	

**Fourth Year Maintenance of Other Stipulation of 2017-18 to be taken up during 2019-20**

SI No	Name of the Division	Name of the Project	Component	Block in Ha	ANR in Ha	Total Target in Ha	Amount Required for fourth year maintenance to be released during 2020-21 as per Approved Cost Norm @ Rs.298/- per MD			Remarks
							Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Total	
1	Cuttack	Salijanga Quartz & Quartzite mining by Sri P.N. Sahu	SZ	0.646	0	0.646	3638.40	0.00	3638.40	
2	Cuttack	Salijanga Quartz & Quartzite mining by Sri P.N. Sahu	1.5 SZ	0	0.969	0.969	0.00	909.60	909.60	
3	Sundargarh	Dulanga Coal Block by M/s NTPC Ltd.	1.5 SZ	0	7.63	7.63	0.00	7162.28	7162.28	
4	Sundargarh	Dulanga Coal Block by M/s NTPC Ltd.	1.5 SZ		9.485	9.485	0.00	8903.57	8903.57	
5	Sundargarh	Dulanga Coal Block by M/s NTPC Ltd.	Green Belt	0	18.34	18.34	0.00	17215.76	17215.76	
		<b>Total SZ &amp; 1.5 SZ</b>		<b>0.646</b>	<b>36.424</b>	<b>37.070</b>	<b>3638.40</b>	<b>34191.21</b>	<b>37829.61</b>	

6	Angul	Construction of Talcher-Bimalgarh new BG Rail link by East Coast Railway	Avenue Plantation	0	0	0	0	0	0.00	As reported by DFO, Angul Division, avenue plantation over 20.028 Km could not be taken up this year as Railway Department have not handed over the land
7	Berhampur	Construction of Ghatakeswar Multi purpose Project	Periphery Plantation under Creation and maintenance of of bird nest for avifauna in the periphery area of Reservoir			0			0.00	As confirmed by DFO, plantation of 1000 seedlings could not be taken up as reservoir work has not been completed yet.
8	Puri WL	Construction of 4/6 laning of Bhubaneswar to Puri NH-203	Avenue Plantation along NH			2041 Nos	0.00	0.00	204361.25	4th year maintenance @ Rs. 25032/- per 250 Plant. (As reported by DFO, 2041 no of plants could be planted out of 2700 Nos. thus second year maintenance is calculated for 2041 No of plants.)
9	City	Construction of 4/6 laning of Bhubaneswar to Puri NH-203	Avenue Plantation along NH	0	0	0	0.00	0.00	0.00	As reported by DFO, Avenue plantation of 8000 Nos could not be planted during 2017-18.
10	Bargarh	Sambalpur-Bargarh NH	Avenue Plantation			42640 Nos			4269457.92	4th year maintenance @ Rs. 25032/- per 250 Plant.
11	Berhampur	Ganjam-Sunakhala NH	Avenue Plantation	0	0	0	0	0	0.00	As reported by DFO, Avenue plantation over 30.348 RKM could not be taken up during 2017-18.
			Median Plantation	0	0	0	0	0	0.00	As reported by DFO, Median plantation over 5.531 Km could not be taken up during 2017-18.
12	Keonjhar	Uchabali Iron & Mn Mines of Smt Indrani Pattnaik	Awareness Programme						0.00	No fourth year Maintenance.
		<b>Total Avenue &amp; other Stipulations</b>							<b>4473819.17</b>	
<b>Grand Total</b>			<b>SZ, 1.5 SZ, Green Belt</b>	<b>0.6460</b>	<b>36.4240</b>	<b>37.0700</b>			<b>4511648.78</b>	
			<b>+ Avenue Plantation</b>			<b>44681Nos</b>				
			<b>+ Median Plantation</b>			<b>0</b>				
			<b>+ Periphery Plantation</b>			<b>0</b>				

**Fifth Year Maintenance of 2016-17 CA,PCA,Addl CA to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	CA/PAC/Addl CA	Block in Ha	ANR in Ha	BaldHill In Ha	Total Area in Ha	Funds Required for Sixth Year Maintenance as per approved cost norm @ Rs.298/- per MD			Remarks
								Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Total	
1	Sundargarh	Construction of Railway line from FCI/shunting line Jharsuguda to Sardega in Sundargarh and Jharsuguda Forest Division. For transportating coal through Railway by South Eastern Railway.	CA	0.00	137.796	0.00	137.796	0.00	129349	129349	
2	Sundargarh	TRB Iron ore minning lease of Jindal Strips Ltd. now Jindal Steel & Power Ltd.	CA	0.00	64.999	0.00	64.999	0.00	61015	61015	Block plantation 40 ha was not taken up during 2016-17
3	Sundargarh	Diversion of 276.655 ha forest land including 4.42 ha of Safety Zone and 76.19 ha area which is to be treated as FOREST as per dictionary meaning in Manoharpur Coal Block of IB Valley Coalfield in Sundargarh District by OPGC Ltd.	CA	0	0	0.00	0	0.00	0	0	Block plantation 196.045 ha was not taken up during 2016-17.
4	Sundargarh	Construction of LILO ( Lilo In Lilo Out) from existing 400 KVDC Rourkela-Raigarh Transmission Line-I & Line-II	CA	0	25.25	0.00	25.25	0.00	23702	23702.18	
5	Sundargarh	Setting up of Darlipali Super Thermal Power Project in Darlipali and Raidihi village in Sundargarh District by NTPC Ltd.	CA	27.90	0.00	0.00	27.90	157138.38	0	157138.38	

6	Sundargarh	Construction of 2 x 765 KV SC and DC transmission line from Angul Pooling Station to Jharsuguda Pooling Station at Kenapali by PGCIL	CA	0.00	33.80	0.00	33.80	0.00	31728.06	31728.06	
7	Sundargarh	Railway siding of Merry-Go-Round (MGR System)in Sundargarh and Jharsuguda district by M/s Odisha Power Generation Corporation Ltd.	CA	0.00	0.00	0.00	0.00	0.00	0	0.00	Block plantation 114.70 ha was not taken up during 2016-17.
8	Keonjhar WL	Daitari Extension Iron ore mines by M/S OMC Ltd.	CA	0.00	71.763	0.00	71.763	0.00	67364	67364	Block plantation 46.00 ha and Bald Hill Plantation 87 Ha was not taken up during 2016-17.
9	Keonjhar WL	Jilling Longlota Iron & Manganese Mines by M/S ESSEL Mining & Industries.	CA	0	0.00	0.00	0	0.00	0	0.00	Block plantation 30.8047 ha was not taken up during 2016-17.
10	Keonjhar	Diversion of 447.811 ha of forest land ( Including 44.70 already diverted area) in Jajang Iron & Mn Mines by M/s Rungta Mines Pvt. Ltd.	CA	0	52.944	0.00	52.944	0.00	49699	49699	52.944 Ha Block Plantation converted to ANR Plantation by DFO.
11	Keonjhar	Jilling Longlota Iron & Manganese Mines by M/S ESSEL Mining & Industries.	CA	12.277	2.00	0.00	14.277	69146.52	1877	71024	Out of total Block Plantation of 15.277 ha, 12.277 ha Block and 2 ha ANR plantation was taken up. 1 Ha Block plantation was not taken up.
12	Keonjhar	Establishment of a Hydro Power Project on River Brahmani by M/s Baitarani Power Project Pvt Ltd.	CA		20.3619	0.00	20.3619	0.00	19114	19114	20.3619 ha Block plantation was converted to ANR plantation by DFO.
13	Keonjhar	Diversion of 99.099 ha Forest land including 8.930 ha of SZ in Jaribahal, Palsa (ka) and Palsa (kha) for Iron ore	CA	0.00	59.708	0.00	59.708	0.00	56048	56048	

		mining by M/s Patnaik Minerals Pvt. Ltd									
14	Keonjhar	Construction of 400 KVDC Transmission Line through Lolo from existing 400 KV/SC Rengali-Baripada transmission line at Naranpur by PGCIL	CA	8.158	0.00	0.00	8.158	45947.49	0	45947	
15	Bonai	Kusumdihi Mn & Bauxite Mines by M/s Bonai Industries Co	CA ANR 1.335 ha	0.00	0	0.00	0	0.00	0	0	No 5th year maintenance as per approved CA Scheme
16	Bonai	Diversion of 66.671 ha ( including 2.523 ha Safety Zone)Raikela Iron ore Mining in Sundergarh	CA	0.00	0	0.00	0	0.00	0	0	ANR plantation 65.46 ha was not taken up during 2016-17 as the CA area identified is in Rourkela Division.
17	Jharsuguda	Construction of Railway line from FCI/shunting line Jharsuguda to Sardega in Sundargarh and Jharsuguda Forest Division. For transportating coal through Railway by South Eastern Railway.	CA	0.00	13.86	0.00	13.86	0.00	13010.38	13010.38	
18	Jharsuguda	Diversion of 19.70 ha Revenue Forest land (16.90 for mining + 2.80 SZ) in Belpahar expansion OCP by M/s MCL Ltd.	CA	0.00	34.00	0.00	34.00	0.00	31916	31915.80	
19	Jharsuguda	Construction of 2 x 765 KV SC and DC transmission line from Angul Pooling Station to Jharsuguda Pooling Station at Kenapali by PGCIL	CA	0.00	15.50	0.00	15.50	0.00	14550	14549.85	
20	Jharsuguda	Railway siding of Merry-Go-Round (MGR System)in Sundargarh and Jharsuguda district by M/s Odisha Power	CA	16.212	32.461	0.00	48.673	91309.23	30471	121780.37	



		Generation Corporation Ltd.									
21	Bargarh	Four Laning of Sambalpur-Bargarh-Odisha/Chhatishgarh Section of NH-6 from 0 Km to 88 Km in Odisha under BOT	CA	20.24	0.00	0.00	20.24	113995.73	0	113995.728	
22	Sambalpur	Construction of 2 x 765 KV SC and DC transmission line from Angul Pooling Station to Jharsuguda Pooling Station at Kenapali by PGCIL	CA	0.00	98.00		98.00	0.00	91992.60	91992.60	
23	Koraput	Panchpatmali Central & North Block Bauxite Mines of M/s NALCO (1294.283 ha including 621.70 ha diverted in 1984 and 300 ha diverted in 2006)	CA	177.2925	20.750	0.00	198.0425	998546.82	19478.02	1018024.84	As reported by DFO, Koraput 177.2925 ha block and 20.75 ha ANR with 400 plants per Ha has been taken up.
24	Rayagada	Construction of conveyor corridor and formation of mine access road in Baphalimali Bauxite Mines of M/s Utkal Alumina International Ltd.	CA	2.335	0.00		2.335	13151.19	0	13151.187	
25	Angul	Establishment of Medical Institute of Medical Science & Research at Talcher by M/s MCL Ltd.	CA	0.00	17.00		17.00	0.00	15957.90	15957.90	
26	Angul	Construction of approach Road to 2x600 MW Power Plant at Dereng by Jindal India Thermal Power Ltd.	CA	4.86	0.00	0.00	4.86	27372.49	0	27372.492	
27	Cuttack	Construction of LILO ( Lilo In Lilo Out) of one circuit of Baripada-Mendhasal 400 KV/DC transmission line at Duburi by M/s PGCIL	CA	42.50	0.00	0.00	42.50	239368.50	0	239368.50	

28	Athmallik	Construction of 2 x 765 KV SC and DC transmission line from Angul Pooling Station to Jharsuguda Pooling Station at Kenapali by PGCIL	CA	57.00	150.00	0.00	207.00	321035.40	140805.00	461840.40	CA stipulation is 612.70 ha (Block 105.83 ha and 506.87 ha). As forest growth has come up in the identified CA area the DFO has modified the CA Scheme and taken up 57 ha Block plantation, 150 ha ANR with 200 plants, 384.47 ha ANR with 400 plants and 58 ha ANR with 800 plants.
					384.4725		384.4725	0.00	360904.34	360904.34	ANR with 400 plants
					58.00		58.00	0.00	54444.60	54444.60	ANR with 800 plants
29	Dhenkanal	Sarkunda Iron Mines of M/s Feegrade & Company Ltd.	CA	0	32.00	0.00	32	0.00	30038.40	30038.40	Block plantation 255.147 ha was not taken up during 2016-17.
30	Khurdha	Diversions 5.928 ha of revenue forest in New Sandhakud and Udayachandrapur for laying pipeline for transfer of crude oil from Paradip Port to their Refinery at Abhayachandrapur	CA	12.00	0	0.00	12.00	67586.40	0	67586.40	
31	Kalahandi South	Ret MIP	CA	0.00	39.40	0.00	39.40	0.00	36984.78	36984.78	39.40 ha AR converted to ANR by DFO.
		<b>Total CA</b>		<b>380.7745</b>	<b>1364.0654</b>	<b>0.0000</b>	<b>1744.8399</b>	<b>2144598.14</b>	<b>1280448.19</b>	<b>3425046.32</b>	
32	Keonjhar WL	Daitari Extension Iron ore mines by M/S OMC Ltd.	PCA	0.00	499.936	0.00	499.936	0.00	469289.92	469289.92	
33	Keonjhar	Laying water pipeline and other related infrastructure facilities for operationalisation of their Iron ore beneficiation plant at Dubuna by M/s Essar Steel India Ltd.	PCA	0.00	8.00	0.00	8.00	0.00	7509.60	7509.60	
34	Keonjhar	Diversions of 447.811 ha of forest land ( Including 44.70 already diverted area) in Jajang Iron & Mn Mines by M/s Rungta Mines Pvt. Ltd.	PCA	0.00	2.00	0.00	2.00	0.00	1877.40	1877.40	
35	Keonjhar	Jilling Longlota Iron & Manganese Mines by M/S	PCA	0.00	22.0954	0.00	22.0954	0.00	20740.95	20741	

		ESSEL Mining & Industries.									
36	Keonjhar	Laying slurry pipeline from beneficiation plant at Dubuna to pellet plant Paradip by M/s Essar Steel India Ltd.	PCA	0.00	1.00	0.00	1.00	0.00	938.70	938.70	
37	Keonjhar	Diversion of 99.099 ha Forest land including 8.930 ha of SZ in Jaribahal, Palsa (ka) and Palsa (kha) for Iron ore mining by M/s Patnaik Minerals Pvt. Ltd	PCA	0.00	119.7788	0.00	119.7788	0.00	112436.36	112436.36	
38	Keonjhar	Diversion of 99.099 ha Forest land including 8.930 ha of SZ in Jaribahal, Palsa (ka) and Palsa (kha) for Iron ore mining by M/s Patnaik Minerals Pvt. Ltd	PCA	0.00	120.862	0.00	120.862	0.00	113453.16	113453.16	
39	Keonjhar	Diversion of 99.099 ha Forest land including 8.930 ha of SZ in Jaribahal, Palsa (ka) and Palsa (kha) for Iron ore mining by M/s Patnaik Minerals Pvt. Ltd	PCA	0.00	13.0538	0.00	13.0538	0.00	12253.60	12253.60	
40	Bonai	TRB Iron ore minning lease of Jindal Strips Ltd. now Jindal Steel & Power Ltd.	PCA	0.00	283.41	0.00	283.41	0.00	266036.97	266036.97	
41	Bonai	Kusumdihi Mn & Bauxite Mines by M/s Bonai Industries Co	PCA	4.73	0.00	0.00	4.73	0.00	0	0	No 5th year maintenance as per approved CA Scheme
42	Bonai	Diversion of 66.671 ha ( including 2.523 ha Safety Zone)Raikela Iron ore Mining in Sundergarh district by Geetarani Mohanty	PCA	0.00	43.056	0.00	43.056	0.00	40416.67	40416.67	
43	Bonai	Sarkunda Iron Mines of M/s Feegrade & Company Ltd.	PCA	0.00	92.30	0.00	92.30	0.00	86642.01	86642.01	

44	Jharsuguda	Construction of Railway line from FCI/shunting line Jharsuguda to Sardega in Sundargarh and Jharsuguda Forest Division. For transportating coal through Railway by South Eastern Railway.	PCA	7.00	0.00	0.00	7.00	39425.40	0	39425.40	
45	Koraput	Panchpatmali Central & North Block Bauxite Mines of M/s NALCO (1294.283 ha including 621.70 ha diverted in 1984 and 300 ha diverted in 2006)	PCA	25.10	0.00	0.00	25.10	141368.22	0	141368.22	
46	Chandaka WL	Development of landscaping,plantation and parking space adjacent to administrative building in Jaydev Vihar of Bhubaneswar city by Centre for Youth and Social Development ( CYSD)	PCA	0.40	0.00	0.00	0.40	2252.88	0	2252.88	
		<b>Total PCA</b>		<b>37.23</b>	<b>1205.49</b>	<b>0.00</b>	<b>1242.72</b>	<b>183046.50</b>	<b>1131595.34</b>	<b>1314641.84</b>	
47	Sundargarh	Diversion of 276.655 ha forest land including 4.42 ha of Safety Zone and 76.19 ha area which is to be treated as FOREST as per dictionary meaning in Manoharpur Coal Block of IB Valley Coalfield in Sundargarh District by OPGC Ltd.	Addl CA	0	0	0.00	0	0.00	0	0.00	Block plantation 28.14 ha and ANR plantation 49.03 ha (total 77.17 ha) was not taken up during 2016-17.
		<b>Total ACA</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	
		<b>Grand Total</b>		<b>418.0045</b>	<b>2569.5574</b>	<b>0.0000</b>	<b>2987.5619</b>	<b>2327644.64</b>	<b>2412043.53</b>	<b>4739688.17</b>	

**Fifth Year Maintenance of 2016-17 SZ,1.5 SZ,CATP Avenue Plantation etc. to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	Component	Block in Ha	ANR in Ha	BaldHill In Ha	Total Area in Ha	Funds Required for Fifth Year Maintenance as per approved cost norm @ Rs.298/- per MD				Remarks
								Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Bald Hill @ Rs 16583.70/- per Ha	Total	
1	Sundargarh	Lanjiberna OCL	SZ	0.000	1.000	0.000	1.000	0.00	938.70	0.00	938.70	
2	Keonjhar	Jajanga Rungta	SZ	4.629	0.000	0.000	4.629	26071.45	0.00	0.00	26071.45	
3	Keonjhar	Jaribahal Pattnaik Minerals	SZ	0.000	8.930	0.000	8.930	0.00	8382.59	0.00	8382.59	
4	Bonai	TRB Jindal	SZ	0.000	6.410	0.000	6.410	0.00	6017.07	0.00	6017.07	
5	Bonai	Kusumdihi BICo	SZ Block 0.510 ha	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	No 5th year maintenance as per approved SZ Scheme
6	Bonai	Raikela Mines Geetarani Mohanty	SZ	2.523	0.000	0.000	2.523	14210.04	0.00	0.00	14210.04	
7	Bonai	Sarkunda Mines of Feegrade	SZ	1.400	9.241	0.000	10.641	7885.08	8674.53	0.00	16559.61	
8	Jharsuguda	Belpahar Expansion OCP	SZ	0.000	8.280	0.000	8.280	0.00	7772.44	0.00	7772.44	
		<b>Total SZ</b>		<b>8.5520</b>	<b>33.8610</b>	<b>0.0000</b>	<b>42.413</b>	<b>48166.574</b>	<b>31785.321</b>	<b>0.00</b>	<b>79951.895</b>	
9	Sundargarh	Angul Pooling Station to Jharsuguda Pooling Station	Dwarf tree plantation	1.572	14.413	0.000	15.985	8853.82	13529.48	0.00	22383.30	
10	Sundargarh	Darlipali NTPC	Conservation,Protection and regeneration of existing Forest Cover	0.000	100.000	0.000	100.000	0.00	93870.00	0.00	93870.00	
11	Keonjhar	Jajanga Rungta	1.5 SZ	0.000	6.9435	0.000	6.9435	0.00	6517.86	0.00	6517.86	
12	Keonjhar	Jhilling-Longlota Mines ESSEL	GAP Plantn	0.000	34.044	0.000	34.044	0.00	31957.10	0.00	31957.10	
13	Keonjhar	Jaribahal Pattnaik Minerals	1.5 SZ	0.000	13.426	0.000	13.426	0.00	12602.99	0.00	12602.99	
14	Bonai	TRB Jindal	1.5 SZ	0.000	9.615	0.000	9.615	0.00	9025.60	0.00	9025.60	
17	Bonai	Raikela Mines Geetarani Mohanty	1.5 SZ	0.000	3.790	0.000	3.790	0.00	3557.67	0.00	3557.67	

18	Bonai	Sarkunda Mines of Feegrade	1.5 SZ	0.000	16.000	0.000	16.000	0.00	15019.20	0.00	15019.20	
19	Jharsuguda	Belpahar Expansion OCP	GAP Plantn	0.000	32.790	0.000	32.790	0.00	30779.97	0.00	30779.97	
20	Jharsuguda	Belpahar Expansion OCP	1.5 SZ	0.000	4.200	0.000	4.200	0.00	3942.54	0.00	3942.54	
21	Jharsuguda	Angul Pooling Station to Jharsuguda Pooling Station	Dwarf tree plantation	0.721	6.610	0.000	7.331	4060.82	6204.81	0.00	10265.62	
22	Rairakhol	Angul Pooling Station to Jharsuguda Pooling Station	Dwarf tree plantation	7.8846	77.040	0.000	84.9246	44407.64	72317.45	0.00	116725.09	0.4454 ha AR (out of 8.33 ha) and 32.75 ha ANR (out of 109.79 Ha ) plantation was not taken up.
23	Sambalpur	Angul Pooling Station to Jharsuguda Pooling Station	Dwarf tree plantation	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	Block plantation 3.13 ha and ANR plantation 43.416 ha (total 46.546 ha) was not taken up during 2016-17.
24	Angul	Angul Pooling Station to Jharsuguda Pooling Station	Dwarf tree plantation	3.920	46.290	0.000	50.210	22078.22	43452.42	0.00	65530.65	
25	Athmallik	Angul Pooling Station to Jharsuguda Pooling Station	Dwarf tree plantation	12.180	111.660		123.840	68600.20	104815.24	0.00	173415.44	
26	Koraput	Panchpatmali NALCo	1.5 SZ	0.000	40.4035	0.000	40.4035	0.00	37926.77	0.00	37926.77	
27	Koraput	Panchpatmali NALCo	Gap Plantn	0.000	135.800	168.600	304.400	0.00	127475.46	2796011.82	2923487.28	
		<b>Total Misc</b>		<b>26.278</b>	<b>653.025</b>	<b>168.600</b>	<b>847.903</b>	<b>148000.70</b>	<b>612994.57</b>	<b>2796011.82</b>	<b>3557007.09</b>	
28	Sundargarh	Jharsuguda-Sardega Rly Line	Strip Plantation	0							0.00	Strip Plantation over 21.54 Km was not taken up during 2016-17.
29	Jharsuguda	Jharsuguda-Sardega Rly Line	Strip Plantation	0							0.00	Strip Plantation over 18.636 Km was not taken up during 2016-17.
		<b>Total Strip Plantation</b>					<b>0</b>				<b>0.00</b>	

30	Puri WI	Bhubaneswar-Puri NH 203	Avenue Plantation Along NH				3050 Nos			305390.40	5th year maintenance @ Rs. 25032/- per 250 Plant	
			Avenue Plantation Along Feeder Road				2500 Nos			250320.00	5th year maintenance @ Rs. 25032/- per 250 Plant	
31	Khurdha	Bhubaneswar-Puri NH 203	Avenue Plantation Along NH				5000 Nos			500640.00	5th year maintenance @ Rs. 25032/- per 250 Plant	
			Avenue Plantation Along Feeder Road				14500 Nos			1451856.00	5th year maintenance @ Rs. 25032/- per 250 Plant	
32	City	Bhubaneswar-Puri NH 203	Avenue Plantation				2250 Nos			225288.00	5th year maintenance @ Rs. 25032/- per 250 Plant	
			<b>Total Avenue Plantation</b>				<b>27300 Nos</b>			<b>2733494.40</b>		
33	Bonai	Raikela Mines Geetarani Mohanty	Mitigation of Soil erosion	Plantation of 4000 plants.							0.00	No 5th year maintenance as per approved SZ Scheme
			<b>Total Soil Erosion</b>	<b>0</b>							<b>0.00</b>	
			<b>Grand Total</b>								<b>6370453.38</b>	
<b>Fifth Year Maintenance of 2016-17 CATP to be taken up during 2020-21</b>												
1	Keonjhar	Baitarani Power Project	CATP	0.000	62.000	0.000	62.000	0.00	58199.40	0.00	58199.40	
2	Khariar	Lower Indra Maj IP	CATP without GAP Plantation	Soil Conservation measures and other allied forestry activities							0.00	No 5th year maintenance as per approved SZ Scheme
3	Sunabeda WL	Lower Indra Maj IP	CATP without GAP Plantation	Soil Conservation measures and other allied forestry activities							0.00	No 5th year maintenance as per approved SZ Scheme
			<b>Total CATP</b>								<b>58199.40</b>	

**Sixth Year Maintenance of 2015-16 CA,PCA,Addl CA Plantation to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	Component	Block In Ha	ANR In Ha	Total Area in Ha	Funds Required for Sixth Year Maintenance as per approved cost norm @ Rs.298/- per MD			Remarks
							Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Total	
1	Bonai	Koira Iron Ore Mine in Sundargarh District by M/s Essel Mining & Industries (P) Ltd.	CA ANR 19.486 ha	0	0.000	0.000	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
			PCA 2.14 ha	0.000	0	0.000	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
			Addl CA 59.458 ha	0	0	0.000	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Bonai	Diversion of 15.393 ha of forest land ( including 4.325 ha of safety zone area in addition to 52.742 ha already diverted forest land at Sanindipur & Oraghat by M/s Rungta & Sons Pvt. Ltd.	CA	11.068	0	11.068	62337.19	0.00	62337.19	
	Bonai	Diversion of 45.118 ha of forest land ( including 8.309 ha of safety zone area in addition to 39.309 ha already diverted forest land at Nadidihi Iron Ore Mines of by M/s Feegrade & Co (P) Ltd.	PCA	0	39.309	39.309	0.00	36899.36	36899.36	
	Bonai	Manganese ore mining in village Bhanjapali,Koira & Teherai by Sri Rudrasen Sindhu, M/s Rohtak Engineering	CA Block 32.293 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Bonai	Diversion of 64.133 ha of forest land ( including 4.929 ha of safety zone area in addition to 10.10 ha already diverted forest land at Oraghat by M/s Rungta & Sons Pvt. Ltd.	Addl CA	0	64.133	64.133	0.00	60201.65	60201.65	
Bonai	Kalta & Barsuan Iron mines of M/S SAIL in Toda RF ( MI-130)	Addl CA	0	2341.931	2341.931	0.00	2198370.63	2198370.63		



	Bonai	RML Nadidihi (Rengalbeda-Nadikasira) mines of M/S Bonai Industrial Co. Ltd.	PCA ANR 37.00 ha	0	0.00	0.00	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
		<b>Total Bonai Division</b>		<b>11.068</b>	<b>2445.373</b>	<b>2456.441</b>	<b>62337.19</b>	<b>2295471.64</b>	<b>2357808.82</b>	
2	Rourkela	Diversion of 45.118 ha of forest land ( including 8.309 ha of safety zone area in addition to 39.309 ha already diverted forest land at Nadidihi Iron Ore Mines of by M/s Feegrade & Co (P) Ltd.	CA	7.976	0	7.976	44922.43	0.00	44922.43	
	Rourkela	Diversion of 64.133 ha of forest land ( including 4.929 ha of safety zone area in addition to 10.10 ha already diverted forest land at Oraghat by M/s Rungta & Sons Pvt. Ltd.	CA	27.658	0	27.658	155775.39	0.00	155775.39	
		<b>Total Rourkela Division</b>		<b>35.634</b>	<b>0.000</b>	<b>35.634</b>	<b>200697.81</b>	<b>0.00</b>	<b>200697.81</b>	
3	Athmallik	Diversion of 324.52 ha. forest land including Safety Zone for Mining of Coal from Mandakini Coal Block A in Angul District by M/s Mandakini Coal Company Ltd.	CA	143.377	0	143.377	807527.94	0.00	807527.94	
	Athmallik	Construction of 2 x 600 MW Thermal Power Plant in Angul forest Division in Angul District by M/s Jindal India Thermal Power ltd.	CA	39.15	0	39.15	220500.63	0.00	220500.63	
		<b>Total Athmallik Division</b>		<b>182.527</b>	<b>0.00</b>	<b>182.527</b>	<b>1028028.57</b>	<b>0.00</b>	<b>1028028.57</b>	
4	Deogarh	Diversion of 324.52 ha. forest land including Safety Zone for Mining of Coal from Mandakini Coal Block A in Angul District by M/s Mandakini Coal Company Ltd.	CA	181.1437	0	181.1437	1020237.55	0.00	1020237.55	
		<b>Total Deogarh Division</b>		<b>181.1437</b>	<b>0.00</b>	<b>181.1437</b>	<b>1020237.55</b>	<b>0.00</b>	<b>1020237.55</b>	
5	Angul	Construction of 2 x 600 MW Thermal Power Plant in Angul forest Division in Angul District by M/s Jindal India Thermal Power ltd.	PCA	20.00	295.00	315.00	112644.00	276916.50	389560.50	

	Angul	Diversion of 134.41 ha of forest land ( including 0.18 ha of safety zone area in addition to 71.64 ha already diverted forest land for Bharatpur OCP of M/s MCL Ltd.	CA	0.00	269.00	269.00	0.00	252510.30	252510.30	
			PCA	0.00	21.50	21.50	0.00	20182.05	20182.05	
		<b>Total Angul Division</b>		<b>20.00</b>	<b>585.50</b>	<b>605.50</b>	<b>112644.00</b>	<b>549608.85</b>	<b>662252.85</b>	
6	Dhenkanal	Diversion of 70.4221 ha forest land for laying pipeline from Paradip to Raipur ( Chhatisgarh) via Sambalpur & from Sambalpur to Ranchi (Jhadkhand) by M/s Indian Oil Corporation Ltd.	CA	0.00	142.00	142.00	0.00	133295.40	133295.40	
	Dhenkanal	Diversion of 6.329 ha forest land ( 4.861 ha for mining & allied activities & 1.468 ha for safety Zone in Asurabandha Chromite Mines by M/s Real India Consultancy Ltd in Dhenkanal District	CA	6.329	0	6.329	35646.19	0.00	35646.19	
	Dhenkanal	Establishment of 1320 MW ( 2 x 660 MW) Lanco babandh Power Plant in Khurunti & Khargprasad village of Dhenkanal District by M/s Lanco Babandh Power Ltd. (LBPPL)	CA	8.094	0	8.094	45587.03	0.00	45587.03	
			PCA	0	14.876	14.876	0.00	13964.10	13964.10	
	Dhenkanal	Establishment of a 1050 MW Coal fired thermal Power Plant by M/s GMR Energy Ltd	CA Block 16 ha and ANR 16.3755 ha	0.00	0	0.00	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
		<b>Total Dhenkanal Division</b>		<b>14.423</b>	<b>156.87 6</b>	<b>171.299</b>	<b>81233.22</b>	<b>147259.50</b>	<b>228492.72</b>	
7	Cuttack	Establishment of Standalone Cement Grinding Unit in Tangi-Choudwar Tahasil of Cuttack District & Darpan Tahasil of Jajpur District by M/s OCL India Ltd.	CA	4.844	0	4.844	27282.38	0.00	27282.38	
	Cuttack	Kamarda Chromite mines of M/s B.C.Mohanty & Sons	CA Block 46.283 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
		<b>Total Cuttack Division</b>		<b>4.844</b>	<b>0.00</b>	<b>4.844</b>	<b>27282.38</b>	<b>0.00</b>	<b>27282.38</b>	

8	Keonjhar WL	Laying water pipeline and other related infrastructure facilities for operationalisation of their Iron ore beneficiation plant at Dubuna by M/s Essar Steel India Ltd.	PCA	0	8.00	8.00	0.00	7509.60	7509.60	
	Keonjhar WL	Canal System of Anandpur Barrage	CA	0.00	0.00	0.00	0.00	0.00	0.00	Block plantation of 7.08 ha not been taken up.
	Keonjhar WL	Joda East TISCO	CA	0.000	0.00	0.000	0.00	0.00	0.00	Block plantation of 8.458 ha not been taken up.
	Keonjhar WL	Joda East TISCO	CA	0.00	0.00	0.00	0.00	0.00	0.00	Block plantation of 13.48 ha not been taken up..
	Keonjhar WL	Khandabandh TISCO	CA Block 4ha	0.00	0.00	0.00	0.00	0.00	0.00	Out of 234.16 ha only 4 ha has been achieved. No 5th year maintenance as per approved CA Scheme.
		<b>Total Keonjhar WL Division</b>			<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>7509.60</b>	<b>7509.60</b>
9	Keonjhar	Laying of downhill pipe conveyor system and underground pipeline through forest land in Kitabeda village in Keonjhar District by M/s Sarada Mines Pvt. Ltd.	PCA ANR 1.8914 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Keonjhar	Balita Dr. S Pradhan	CA/PCA ANR 36.694 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Keonjhar	Roida-II K.N.Ram	CA/PCA ANR 25.619 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Keonjhar	Jururi KMC	CA/PCA Block 2.8653	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Keonjhar	Inganijharan Dr S Pradhan	CA/PCA	0.00	0.00	0	0.00	0.00	0.00	Block plantation of 3.00 ha not achieved.
	Keonjhar	Bamebari TISCO	CA/PCA ANR 19.64 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
	Keonjhar	Sidhamath Mideast	CA/PCA ANR 59.176 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
			CA/PCA ANR 20.00 ha	0	0.00	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
Keonjhar	Jururi KMC	CA/PCA ANR 24.60 ha	0	0.00	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.	

	Keonjhar	Tiringpahar Tisco	CA/PCA ANR 2.781 ha	0	0	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
		<b>Total Keonjhar Division</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
10	Rajnagar WL	Laying of shore pipeline and intermediate Booster Station for dredging and reclamation work (Phase-II) for Paradeep Refinery Project at Paradeep by IOCL	PCA Casuarina Plantation 0.561 ha	0	0.00	0	0.00	0.00	0.00	No 6th year maintenance as per approved CA Scheme.
		<b>Total Rajnagar WL Division</b>		<b>0.000</b>	<b>0.00</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	
11	Sundargarh	Laying 765 KV/DC transmission line from Jharsuguda Pooling Station at Kenapali in Sundargarh Dist to Dharanjaygarh Pooling Station near Korba of Chhatishgarh by PGCIL	CA	0	61.60	61.60	0.00	57823.92	57823.92	
		<b>Total Sundargarh Division</b>		<b>0.00</b>	<b>61.60</b>	<b>61.60</b>	<b>0.00</b>	<b>57823.92</b>	<b>57823.92</b>	
12	Khurdha	Development of Southern Dock Complex inside Paradip Port in Sandhakud of Kujanga Tahasil by Paradip Port Trust Ltd.	CA	52.00	0	52.00	292874.40	0.00	292874.40	
		<b>Total Khurdha Division</b>		<b>52.00</b>	<b>0.00</b>	<b>52.00</b>	<b>292874.40</b>	<b>0.00</b>	<b>292874.40</b>	
		<b>Grand Total</b>		<b>501.63 97</b>	<b>3257.3 490</b>	<b>3758.9887</b>	<b>2825335.12</b>	<b>3057673.51</b>	<b>5883008.6 2</b>	

**Sixth Year Maintenance of 2015-16 Other Stipulation. to be taken up during 2020-21**

SI No	Name of the Division	Name of the Project	Component	Block In Ha	ANR In Ha	Total Area in Ha	Funds Required for Sixth Year Maintenance as per approved cost norm @ Rs.298/- per MD			Remarks
							Block @ Rs. 5632.20/- per Ha	ANR with 200 plants per Ha @ Rs.938.70 per Ha	Total	
2	Bonai	Diversion of 45.118 ha of forest land ( including 8.309 ha of safety zone area in addition to 39.309 ha already diverted forest land at Nadidihi Iron Ore Mines of by M/s Feegrade & Co (P) Ltd.	SZ	4.136	0	4.136	23294.78	0.00	23294.78	
			1.5 SZ	0	6.204	6.204	0.00	5823.69	5823.69	
4	Bonai	Diversion of 64.133 ha of forest land ( including 4.929 ha of safety zone area in addition to 10.10 ha already diverted forest land at Oraghat by M/s	SZ	3.649	0	3.649	20551.90	0.00	20551.90	
			1.5 SZ	5.474		5.474	30830.66	0.00	30830.66	

		Rungta & Sons Pvt. Ltd.								
5	Bonai	Kalta & Barsuan Iron mines of M/S SAIL in Toda RF ( MI-130)	SZ	5.152	88.527	93.679	29017.09	83100.29	112117.39	
			1.5 SZ	0	140.519	140.519	0.00	131905.19	131905.19	
		<b>Total Bonai Division</b>		<b>18.411</b>	<b>235.250</b>	<b>253.661</b>	<b>103694.43</b>	<b>220829.18</b>	<b>324523.61</b>	
7	Angul	Diversion of 134.41 ha of forest land ( including 0.18 ha of safety zone area in addition to 71.64 ha already diverted forest land for Bharatpur OCP of M/s MCL Ltd.	SZ	0.00	0.00	0.00	0.00	0.00	0.00	11.00 ha AR Plantation was not taken up during 2015-16.
			1.5 SZ	0.00	16.50	16.50	0.00	15488.55	15488.55	
8	Angul	Diversion of 324.52 ha. forest land including Safety Zone for Mining of Coal from Mandakini Coal Block A in Angul District by M/s Mandakini Coal Company Ltd.	SZ	0	0	0	0.00	0.00	0.00	15.057 AR Plantation was not taken up during 2015-16.
			1.5 SZ	2.500	5.348	7.848	14080.50	5020.17	19100.67	
		<b>Total Angul Division</b>		<b>2.500</b>	<b>21.848</b>	<b>24.348</b>	<b>14080.50</b>	<b>20508.72</b>	<b>34589.22</b>	
10	Dhenkanal	Diversion of 6.329 ha forest land ( 4.861 ha for mining & allied activities & 1.468 ha for safety Zone in Asurabandha Chromite Mines by M/s Real India Consultancy Ltd in Dhenkanal District	SZ	1.468	0	1.468	8268.07	0.00	8268.07	
			1.5 SZ	0	2.202	2.202	0.00	2067.02	2067.02	
		<b>Total Dhenkanal Division</b>		<b>1.468</b>	<b>2.202</b>	<b>3.670</b>	<b>8268.070</b>	<b>2067.017</b>	<b>10335.087</b>	
12	Keonjhar	Laying water pipeline and other related infrastructure facilities for operationalisation of their Iron ore beneficiation plant at Dubuna by M/s Essar Steel India Ltd.	Avenue Plantation	0	0	12.76 RKM	0.00	0.00	319408.32	@ Rs.25032/- per RKM (Cost norm for 6th year maintenance of Avenue Plantation)
13	Keonjhar	Laying slurry pipeline from beneficiation plant at Paradeep by M/s Essar Steel India Ltd.	Avenue Plantation	0	0	17.68 RKM	0.00	0.00	442565.76	@ Rs.25032/- per RKM (Cost norm for 6th year maintenance of Avenue Plantation)
		<b>Total Keonjhar Division</b>				<b>+ 30.44 RKM Avenue Plantation</b>			<b>761974.08</b>	
		<b>Total Khurdha Division</b>				<b>Avenue Plantation</b>		<b>0.00</b>	<b>0.00</b>	
		<b>Total</b>		<b>22.3790</b>	<b>259.3000</b>	<b>281.6790</b>	<b>126043.00</b>	<b>243404.91</b>	<b>369447.91</b>	
						<b>+30.44 RKM Avenue Plantation</b>			<b>761974.08</b>	
									<b>1131421.99</b>	
							<b>Grand Total</b>			

## Annexure-II-II

### Division/location wise details of activities under Site Specific Wildlife Conservation Plan

<b>1. Utkal D Coal Mines of OMC - Angul District/Angul Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	(a) Plantation preferably with fodder, bamboo, fruit bearing species in gaps including watch and ward for 10 years		2.00
2	Fire protection including wages of fire watchers and fire line for 5months/year		0.00
3	Photo voltac (Solar fencing) to avoid straying of wild animals into mining area		0.00
4	Public awareness about mining and wildlife protection		0.50
5	Corpus funds		0.00
6	Protection of forest including support of the VSS/boundary maintenance etc.		0.00
7	Fire protection for 10-years including wages of fire watchers		0.00
8	Habitat improvement Large scale plantation preferably with fodder, bamboo, fruit bearing species and development of grass land including watch and ward for 5 years at least 200ha.		8.00
9	Deweeding, Control buring, hoeing and sowing of pelletised seeds to improve grass/development of meadows/pasture plantations including watch and ward in degraded area for 10-years		1.50
10	Creation of water sources by digging 3 or 4 game tanks		0.00
11	Distribution of seedlings to promote farm forestry in the area		1.00
12	Public awareness/Capacity Building		1.00
13	Anti-depredation squad with cost equipment, incentives etc. @2 lakh per year		3.15
14	Cost of vehicle/POL/maintenance etc. for 10 years for protection, monitoring etc.		3.00
15	Corpus fund for paying compassionate grant at the time of exigencies on man wild animal conflict		0.00
16	Solar fencing its maintenance		8.00
17	Unforeseen & Miscellaneous		0.00
18	Development of communication network/GIS base maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area in both dry season and wet season for 10 years		5.00
19	Pollution control and monitoring mechanism to be developed in consultation with State Pollution Control Board & to be done every six months interval		2.00
<b>Total</b>			<b>35.15</b>

<b>2. Bharatpur Open Cast Coal Mining - Angul District/ Angul Division.</b>			
SL. No.	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Improvement of forest area (Assisted Natural Regeneration with gap plantation @200 plants/ha) over 100 ha. @ Rs.26,962/- per ha		26.962
2	2 nd year Maintenance of ANR plantation over 100 ha		7.870
3	Creation of two nos. of large Water Bodies @Rs.10.00 lakh		0.00
4	Engagement of 2 motivators for creation of awareness for a period of 5 years (2 x Rs.8000 x 12 x 5)		2.00
5	Supply of imroved seeds & other inputs for change of cropping habitat for 5 years @ Rs.1000/- per family for 200 families per year (200 x Rs.1000 x 5)		2.00
6	Provision of underground crop storage facilities to 200 families@ Rs.2500/- (200 x Rs.2500)		2.00
7	Supply of crackers, search lights, etc to drive away elephants for 10 years @ Rs.1.00 lakh per year		1.50
8	Solar electric fencing over 5 kms @Rs.8.00 lakh per km to be executed in 2 years.		10.00
9	Maintenance of solar electric fencing for 8 years (from 3rd to 10th year) @ Rs.1.25		2.00

	lakh per year.		
10	Creation of awareness in the forest fringe villages through various activities @ Rs.2.00 lakh per year for 10 years		2.00
11	Engagement of 10 fire watchers over 10 years @ Rs.5000/- per month for 4 months in a year (10 x Rs.5000 x 4 x 10)		3.00
12	Supply of fire fighting equipments to the fire watchers		0.00
13	Incentive to forest fringe villages for 10 villages @ Rs.10,000/- per year (10 x 10 x Rs.10,000/-)		1.50
14	Fireline tracing for 40 km/year for 10 years @ Rs.5000/- per km (40 x Rs.5000 x 10)		4.00
15	Engagement of anti-poaching squad (5 persons) form ex-Army/ Police personnel for 10 years @Rs.10,000/- per month (5 x Rs.10,000 x 12 x 10)		10.00
16	Supply of logistics such as fuel, search lights, weapons and camping materials, etc. to the anti-poaching squad		2.00
17	Corpus fund for grant of compassionate payment		50.00
18	Development of Kanheijena-Anantapur Elephant corridor		10.35
19	Intelligence Collection (to be kept in Interest bearing Bank Deposit)		1.00
20	Monitoring and Evaluation		2.00
21	General provision for equipments, vehicle, mobility, etc.		1.50
<b>Total:-</b>			<b>141.68</b>

<b>3. Estt. of 2x600 MW Power Plant by M/s JITPL - Angul District/Angul Division</b>			
SL. No.	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	<b>Protection of Forests:</b> (i)Funding of VSSs for protection of forest assigned to them 5VSSs	Kaniha	2.50
2	<b>Fire Prtection Measures:</b> (i) Creation of network of fire lines	Nialu-Lodhahhari-Sapkata RF	1.25
	(ii) Assistance to VSSs	Nialu-Lodhahhari-Sapkata RF	1.25
	(iii) 5 nos of fire Control Squad	Nialu-Lodhahhari-Sapkata RF	1.3751
	(iv) Wages to vicinity villages to combat forest fire	Nialu-Lodhahhari-Sapkata RF	3.36450
3	<b>Creation/Maintenance of Waterholes:</b> (i) (a)Renovation of water body/ponds to retain water in foothills of Phuljhari RF		0.00
	(i)(b) Creation of new pond at Tangri RF & Kiajhara RF		0.00
	(III) Creation of waterholes on nala beds/river bed in Kaniha Range Tikira River with HDPE lining	Tikira River	1.00
4	<b>ANR with Gap Plantation @ 200 Plants/ha:</b> (i)in Dhenkuli RF in Kaniha Range over 20ha & Maintenance		0.00
	(ii) (a) in Madhapur RF in Purunagarh Range over 45.25ha & Maintenance		0.00
	(iii) (b) Fencing 3.71 km.		0.00
5	<b>Bald Hill Plantation:</b> (a) in Poipaladanda ( Dalak) RF in Kaniha Range over 25.5ha		0.00
6	<b>SMC measures:</b> (i)Staggered Trenches, Loose Boulder Structure, Half-moon Trench, Gully plugging by vegetative method	Kiajhar RF	5.00
	(ii) SMC Measure to prevent nala bank	Tikira River	5.00
	(iii) Two spurs covered with woven wire mesh 30ft length & 45 ft length at 120 angle over Tikira river in kaniha Range		0.00
7	<b>Creation of Salt Licks:</b> (i) 6nos. In barking deer and other ungulates populated forest blocks	Nialu-Lodhahhari-Sapkata RF	1.00
	Elephant depredation Measures: (ii) Elephant proof trench in bulajhar RF in Talcher Range over-10 Km.		0.00
8	Creation of Corpus Funds	Kaniha	40.00
9	Awareness driver and signboards	Kaniha	1.00
10	Meetings of monitoring Committee	Kaniha	1.00
<b>Total:</b>			<b>63.74</b>

**4. Estt. of Intigrated Steel Plant & Power by Jindal Steel Power Plant Ltd -  
Angul District/ Angul Division**

SL. No.	Component	Location	Total Amount (Rs.in lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	<b>Inside the lease hold Area</b> Raising of green belt covering aout 350 ha. With suitable species and maintenance for 5 years.		0.00
2	Water hole development & grass planting		3.00
3	Fire protection.		5.00
4	Awarness promotion including signage.		3.00
5	Gis based maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area/ project impact area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL), Orissa as the project area is very bid.		3.00
6	Other unforeseen expenses.		0.00
7	<b>Outside the lease hold Area-</b> Protection of forest including support to the VSS/boundary maintenance/pillar construction etc.		2.00
8	Fire protection for 10 years including fire lines/incentives to VSS/equipment/squads etc.		0.00
9	Purchase of two vehicle (1 for DFO, Angul office + DFO, Satkosia (WL) Divn), engagement of contractual drivers & POL etc. for 10 Years.		0.00
10	Creation of game tanks and renovation and maintenance of old game tanks, water bodies, wallowing grounds etc. in interior forest areas in both Angul and Satkosia WL Divn.		0.00
11	Habitat Improvement: Large scale plantation preferably with fodder, bamboo, fruit bearing species and development of grass land/meadows including watch and ward for 5 years in both Angul (T) and Satkosia (WL) divn.		10.00
12	Public awareness/Capacity Building in both Angul (T) and Satkosia WL Divn.		1.00
13	Protection/Anti-depredation squad with cost of etc. for 10 years in both Angul (T) and Satkosia WL Division.		1.73
14	Corpus funds for paying compassionate grant and wildlife depredation control measures at the time of exigencies for man wild animal conflict in both Angul (T) and Satkosia WL Divn.		0.00
15	Solar fencing & its maintenance		0.00
16	Immunization of livestock in both Angul (T) and Satkosia (WL) Divn.		0.00
17	Development of communication network/GIS based maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area/project impact area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL), Orissa in both Angul (T) and Satkosia WL Divn.		0.00
18	Pullution monitoring mechanism to be development in consultation with State Pollution Control Board to assess the impact of pollution in the area in the forest and wildlife in both Angul (T) and Satkosia WL Divn.		1.00
19	Development of infrastructure like VHF sets/towers, Watch Towers, communication equipments like telephones/computers, peripherals, environmental campaing equipments, repair of staff quarters/check gates and maintenance in both Angul (T) and Satkosia WL Divn.		0.00
20	Eco-development/Income generating livelihood activities in both Angul (T) and Satkosia (WL) Divn.		5.00
21	Unforeseen & miscellaneous in both Angul (T) and Satkosia (WL) Divn.		1.00
<b>Total:</b>			<b>35.73</b>

**5. Sukinda Chromite Mines of M/s TATA Steel Ltded - Dhenkanal District/  
Dhenkanal Division**

SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Renovation of 2 Nos. of WHS in Ranjagarh RF		4.00



2	Engagement of Anti-depredation and anti-poaching Squad consisting of 10 persons		19.03
<b>Total:-</b>			<b>23.03</b>

<b>6. Rehabilitation and Upgradation (Four laning) of Cuttack-Angul Section of NH-42(Now-55) From 0 Km. to 112 Km. - Dhenkanal District/Dhenkanal Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Fruit & Fodder Plantation	Kapilash Sanctuary-20 ha., Boampa RF-10 ha. And Matharagudi RF-10 ha.	20.16
2	Bald Hill Plantation	Majuri RF	37.32
3	WHS		0.00
4	Elephant Proof trench Fencing		0.00
5	SMC Measures		0.00
6	De-silting of Tanks adjacent to Project Road	Panchupada & Podapada	5.78
7	Fire line Maintenance	Dompa RF-25 Km & Mathada godi-25 km	1.50
8	Modern Fire Fighting Equipment		0.00
9	Incentive to VSS/EDC	Dhenkanal Range-5 Nos. (VSS) & Kapilash-5 Nos.( EDC)	2.00
10	Monkey/Bear Management Team (MMT)	Dhenkanal Range-5 Nos. person (1 squad)	5.02
11	Deployment of Antidepredation Squad	Dhenkanal Range-10 Nos. person (1 squad)	19.03
12	Deployment of Animal Tracker	Dhenkanal Range-2 Nos. person (1 squad)	2.78
<b>Total:-</b>			<b>93.58</b>

<b>7. M/S Power Grid Corporation of India Ltd. For Construction of 400KV D/C Baripada Mendhasala Transmission Line - Angul District/Satkosia (WL) Division</b>			
SL. No.	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	4	5
1	<b>Outside the lease hold Area-</b> 1) Protection of forest including support to the VSS/boundary maintenance/pillar construction etc.		5.00
2	2) Fire protection for 10 years including fire lines/incentives to VSS/equipment/squads etc.		5.00
3	3) Purchase of two vehicle (1 for DFO, Angul office + DFO, Satkosia (WL) Divn), engagement of contractual drivers & POL etc. for 10 Years.		0.00
4	4) Creation of game tanks and renovation and maintenance of old game tanks, water bodies, wallowing grounds etc. in interior forest areas in both Angul and Satkosia WL Divn.		0.00
5	5) Habitat Improvement: Large scale plantation preferably with fodder, bamboo, fruit bearing species and development of grass land/meadows including watch and ward for 5 years in both Angul (T) and Satkosia (WL) divn.		7.50
6	6) Public awareness/Capacity Building in both Angul (T) and Satkosia WL Divn.		1.00
7	7) Protection/Anti-depredation squad with cost of etc. for 10 years in both Angul (T) and Satkosia WL Division.		3.42

8	8) Corpus funds for paying compassionate grant and wildlife depredation control measures at the time of exigencies for man wild animal conflict in both Angul (T) and Satkosia WL Divn.		0.00
9	9) Solar fencing & its maintenance		10.00
10	10) Immunization of livestock in both Angul (T) and Satkosia (WL) Divn.		0.00
11	11) Development of communication network/GIS based maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area/project impact area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL), Orissa in both Angul (T) and Satkosia WL Divn.		2.00
12	12) Pollution monitoring mechanism to be development in consultation with State Pollution Control Board to assess the impact of pollution in the area in the forest and wildlife in both Angul (T) and Satkosia WL Divn.		1.50
15	15) Unforeseen & miscellaneous in both Angul (T) and Satkosia (WL) Divn.		0.50
<b>Total:-</b>			<b>35.92</b>

<b>8. M/s Odisha Cement Plant - Cuttack District/Athgarh Forest Division</b>			
SL. No.	Component (P.O/1st Yr./2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. In lakh)
	2		
1	1- Gap Plantation @ 200 plants per ha. In Ranibania and in Subhasi RF100 ha. @Rs.32881.25 per ha.)	Ranibani & Subhasi RF	26.96
2	2- Creation of two number large water bodies in Subashi RF and Oringa RF @ 5.00 lakhs each.		5.50
3	<b>Man-Animal conflict:</b> 3- Elephant squad of 05 persons each has been made with the expenditure earmarked for 10 years. (9244.70 x 5 x 12 x 10)		18.76
4	4- Engagement of motivators, creation of awareness		1.00
5	5- Elephatn driving equipment, supply of crackers, search lights which will be implemented in Khuntuni range.		1.00
6	6- Creation of awareness through various activities. (Display of sign Boards in the Prominent plances of the road.		1.00
7	7- Deposit for compassionate grant (fixed deposit-interest only to be drawn for payment.		0.00
8	<b>Prevention of Forest Fire:</b> 8- Wages of fire watchers 02 nos. for 05 years @ 6500 for 4 months in a year.		0.26
9	9- Fire-fighting equipment.		0.00
10	10- Incentive to forest fringe villages.		1.00
11	11- Fire-line tracing in subhasi and Oringa RF.		3.00
12	12- Intelligence collection (fixed deposit-interest only to be drawn for payment).		0.50
13	13- Monitoring and evaluation.		0.50
<b>Total:-</b>			<b>59.48</b>

<b>9. M/s Bhubaneswar Power Plant - Cuttack District/ Athgarh Forest Division</b>			
SL. No.	Component (P.O/1st Yr./2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. In lakh)
	2		
1	Grass Seeding @ 15000/ Ha over 20 Ha. with Solar Fencing over 3 Km @ 1.50 Lakh per Km.	Suniamuhan RF	5.00
2	Stone and Massonary Check Dams.	Suniamuhan RF	2.50
3	Farm Forestry		0.50
4	Fuel Efficent Chullas (Solar)		1.00
5	Creation of Water Body	Suniamuhan RF	6.00
6	Anti Depredation Squad		3.00
7	Solar Fencing		3.00
8	Corpus Fund		1.00
9	Sinage and Awareness		0.50

10	Supply of Search Light		0.50
11	Monitoring and Evaluation		0.30
12	Purchase of Siron, Hotters etc..		1.00
13	Supply of Night Vision Cameras etc..		5.00
<b>Total:-</b>			<b>29.30</b>

<b>10. DAITARY &amp; DAITARY EXTENSION AREA (TOWNSHIP) M/S. OMC LTD. - Cuttack District/Cuttack Forest Division</b>				
SL. No.	Component (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. In lakh)
	1	2		
1	Wages of 10 fire watcher @Rs.4,500/- per month during 5 months a year over a period of 10 years			7.08
2	Fire fighting incentive to 5 villages @ Rs.25,000 each year.			1.25
3	Awareness Promotion (Exposure visits, Signages, Meetings and seminars, Prizes)			1.00
4	Corpus fund			10.00
5	Immunization of live - Stock			0.50
6	(a) Photo voltaic power fencing to safeguard along Railway track for 3 km distance (for both side 3+3-6km) @Rs.5.00 lakhs/km -4 Kms length			0.00
7	(b) Maintenance of Photo-voltaic Power fencing @Rs.0.3125 lakh/km/yr (for 8 year.			1.88
8	Safeguard along Road (Signages)			1.00
9	Bio-diversity park in Mahagiri DPF			5.00
10	Bald hill Plantation @ Rs.20.366/-lakhs per ha		Deuli of Dalijoda Range & Paikarapur inside Kantigadia PRF	7.1281
11	Contingencies and Miscellaneous			1.00
<b>Total:-</b>				<b>35.83</b>

<b>11. KALIAPANI CHROMITE MINES OF M/S. BALASORE ALLOYS LTD - Cuttack District/Cuttack Forest Division</b>				
SL. No.	Component (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. in lakh)
	1	2		
1	Enrichment AR over 40 Ha.			1.29
2	SMC in forest through LBCD(2 Nos)			0.00
3	Awareness Campaign			1.00
4	Bio-diversity Monitoring			1.00
5	Ant-Depredation Squad			9.00
6	Management of Interface of Human-animal Conflict			0.60
7	Infrastructure Support			10.00
8	Monitoring Supervision & Evaluation Cost			0.00
9	Veterinary Health Camp & Immunization Cattle			1.00
<b>Total:-</b>				<b>23.89</b>

<b>12. ESTABLISHMENT OF CEMENT GRINDING UNIT BY M/S. OCL LTD - Cuttack District/Cuttack Forest Division.</b>				
SL. No.	Component (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. in lakh)
	1	2		
1				

1	<b>Protection of Forests/deployment of squads</b> <b>(a) Engagement of one unit of Forest Protection</b> squad (10 persons) and one Unit of Elephant Protection squad (10 persons) for 10 years (20 x Rs.150 x 30x x 12 x 10 yrs) and cost of Fuel and hiring charges of vehicles @ Rs.9.00 lakh/ Yr x 2 x 10 years as per cost norms of CAMPA		38.06
	(b) Funding of 10 nos. of VSS for protection of forest and fire protection measures for 10 year @Rs.0.25 lakhs per VSS annually in phase wise (one VSS each year) for 10 years		1.00
2	Managemetn of interface between Human and Wildlife Anti-depredation equipments like Crackers, Handheld battery operated Loudspeaker, Spot lights, Verolite pistol (Flare Gun), Torch Lights and Uniform @ Rs.1.50 lakhs annually (Rs.1.50 lakh X 10 yrs)		1.50
3	<b>SMC measures</b> (i) Soil and Moisture conservation measures by erection of check dams and staggered trench in Kaliamba complete treatment of the block (L.S)		4.00
4	Fire Management (1.Fire watcher-10 Nos, 2-Fireline cutting-10 Km)		9.40
5	Awareness drive & signages		1.00
6	Infrastructure Development		3.00
7	Meeting of Monitoring Committee		0.50
<b>Total:-</b>			<b>58.46</b>

<b>13. ANGUL-DUBURI SUKINDA ROAD NEW BG RAIL LINK PROJECT BY EAST COAST RAILWAY, BBSR - Cuttack District/Cuttack Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Urban Plantation-10000 Nos.	Madhapur of Sukinda Range-5000 1-Nadiabhanga(P-I) 2-Nadiabhanga (P-II) 3-Press Club (P-III) 4-Kapileswar Mahabidyalaya (P-IV) of Tomka Range-5000	5.59
2	Medow Development in Dhaltangarh PRF		0.00
3	Renovation of Ponds		0.00
4	Wildlife Protection and Anti-depredation- Elephant Trackers	Dalijora Range / Sukinda Range	19.03
5	Uniform & Surveillance	Dalijora Range / Sukinda Range	0.60
6	Camp Equipment	Sukinda / Tomka Range	1.00
7	Fire Watchers	Sukinda / Tomka Range	17.17
8	Corpus Fund	Cuttack Forest Division	2.00
9	Hiring of vehicle with wages of Driver, Fuel	Sukinda / Tomka Range	4.92
10	Monitoring & Evaluation	Sukinda / Tomka Range	1.00
<b>Total:-</b>			<b>51.31</b>

<b>14. SUKINDA CHROMITE MINES OF TATA STEEL LTD - Cuttack District/Cuttack Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. in lakh)
	(P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Bald Hill-10 Ha.		2.04
2	Avenue Plantation		0.00
3	Creation of WHS		16.00
4	Creation of Fireline-10 Km.		2.00
5	Fire Fighting modern equipement		1.50

6	Provision of Fuel & maintenance		3.00
7	Corpus Fund		3.00
8	Anti-depredation Squad - 10 Nos X 11,410/-		19.03
9	Solar Fencing		0.00
10	(d) Infrastructure support provision of one vehicle (Model No.407)		0.00
11	(e) Fuel and maintenance of vehicles		3.60
12	(f) Rescue equipment's such as chains, ropes, cages, etc.		2.00
13	(g) Supply of modern equipment's GPS 4 nos. @ Rs.30,000 each, Digital camera 4 nos. @ Rs. 50,000 each, Binocular 2 nos. @ Rs.50,000 each camera trap 6 nos. @ Rs.25,000 each, Night vision binocular 1 nos. and night vision goggles 2 nos.		1.44
14	Awariness around forest fringe villages		1.50
15	Monitoring & Evaluation		1.00
16	Bio-diversity study		2.00
<b>Total:-</b>			<b>58.11</b>

<b>15. CONSTRUCTION OF RAILWAY LINE FROM JAKHAPURA TO STEEL PLANT SITE AT KALINGANAGAR BY TATA STEEL LTD - Cuttack District/Cuttack Forest Division</b>			
SL. No.	Component (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. in lakh)
1	2	3	4
1	Urban Plantation		18.07
2	Block Plantation-20 Ha.		1.33
3	Creation of water Harvesting structure/water Hole-2 Nos. of size 40m x 30m x3m @ Rs.4.00 lakh each.		0.00
4	Fireline creation over 5 Km		0.50
5	Fire fighting modern equipments		0.00
6	Anti-depredation Squad - 10 Nos X 11,410/-		19.03
7	Cost of Fuel, Wear & Tear for 1 vehicle		4.92
8	Compassionate Payment grant		3.00
9	Display of signage on the Railway Line		0.20
10	Monitoring Equipments		0.00
11	Rain Water Management		4.25
12	Research Activity		0.50
<b>Total:-</b>			<b>51.80</b>

<b>16. KALARANGI CHROMITE MINES OF M/S. OMC LTD- Cuttack District/ Cuttack Forest Division</b>			
SL. No.	Components (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. in lakh)
1	2	3	4
1	Engagemnet of 10 wildlife protection/Anti-depredation Squad (community Forester) from members of VSS / Gram Sabha		19.03
2	Creation of Awarness		2.00
3	Improvement to habitat from Wildlife- ANR - 45 Ha.		3.43
4	WHS with masonary spillover across perinal Nallhas		0.00
5	SMC- Check Dam		0.00
6	Straggered Trenches		0.00
7	Artificial saltlick		0.00
8	Development of Pasture along banks of Nallah		0.13
9	Fire Management		4.29
10	Incentive VSS		2.00
11	Immunisation of Cattle		0.50
12	Secret fund for informer		0.50
13	Distribution of Seedlings to 8 VSS		2.00
14	Monitoring of Evaluation Training		0.50

17. MAHAGIRI HROMITE MINES OF M/S. IMFA LTD - Cuttack District/Cuttack Forest Division			
SL. No.	Component (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Land acquisition for kendrapara corridor (Partly government, Partly revenue land) over 25 ha.		0.00
2	Corridor development over 25 ha. By planting qualifier species as elephant food/cover plants @ Rs.38,630/- + stone wall fencing @ Rs.10,000/- per ha.		0.00
3	Van Sahayak (2) @ Rs 8,940/- P.m for 1 years		2.15
4	Plantation over 50 ha. To boost food and cover for wild animals + stone wall fencing.		0.00
5	Game tank- 80 x 80m x 3m near Pimpudia village in Mahagiri DPF (1) and maintenance		0.00
6	Fire prevention incentive 10 villages for 10 years @ Rs.5,000/- per village.		1.00
7	Fire watchers (3) @ Rs.3,000/- each for 5 months in a year total for 10 years.		1.28
8	Fire line maintenance over 4 km. of 10m width @ Rs.0.10 lakh/km & maintenance @ Rs.0.50 lakh/Km and brush wood piles 100Nos. @ Rs.500 each.		1.20
9	Stone check dams over 5 km nala bed and maintenance for 9-years @ Rs.20,000/- per year.		1.00
10	Seeding of pelletised grass seeds and gully plugging over 50 ha. For 3 years.		4.00
11	Farm forestry 9 lakhs seedlings @ Rs.3,000/- per 1000 seedlings.		0.00
12	Eco-development: Micro credit to 30 SHGs. @ Rs.15,000 each.		0.00
13	Solar powered fence over 5 Km including maintenance.		0.00
14	Anti-depredation drive: Incentive to 7 villages including equipments.		0.00
15	Metal bins and alternate cropping 200 Nos. @ Rs.1,000/- @ Rs.30,000/- per year.		0.50
16	Corpus fund for immediate sanction of ex-gratia in the event of injury/death due to wildlife depredation		1.00
17	Secret fund.		0.50
18	Noise, dust, light pollution control		0.00
19	Immunization of villages cattle @ Rs.30,000/- per year.		0.50
20	Biodiversity monitoring & Development of communication network/GIS based maps Satellite maps on GIS domain should be procured every year to know the changing profile fo the project area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL) , Odisha.		2.00
21	Awareness Creation		0.50
22	Unforeseen & Miscellaneous.		1.00
<b>Total:-</b>			<b>16.63</b>

18. MAHAGIRI HROMITE MINES OF M/S. IMFA LTD - Cuttack District/Cuttack Forest Division			
SL. No.	Components (P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Bald Hill	Dalijora / Sukinda Range	41.8900
2	ANR Plantation-25 Ha.	Daitary DPF	6.5233
3	WHS / Pond in Mahagiri DPF	Pimpudia & Deogaon inside Daitary DPF	10.0000
4	LBCD	Sukinda Range	0.5000
5	Planting Ficus species - 1000 Nos	Dalijora / Sukinda Range	5.5000
6	Elephant proof Trench over 2.5 Km.	In Karanji PRF of Dalijora Range	19.6831
7	Fire line maint over 10 Km	Daitary DPF & Mahagiri DPF	0.5600
8	Development of Grass land / Medows at Dhaltangarh PRF	Dhaltangarh PRF	2.5000
9	Anti-depredation Squad-1 squad (10 Nos) for 7 months in a year	Sukinda / Tomka Range	8.1417
10	Purchase of GPS / Animal resque equipments	Sukinda / Tomka Range	2.0000
11	Research on animal behaviour / movement including	Sukinda / Tomka Range	0.5000

	equipments		
12	Monitoring & Evaluation	Sukinda / Tomka Range	0.5000
<b>Total:-</b>			<b>98.30</b>

<b>19. South Kaliapani Chromite Mines of M/s OMC Ltd- Cuttack District/Cuttack Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Engagement of 10 Wild life Protection /Anti-depredation Squad (Community Foresters) from the members of V.S.S/Gram Sabha for a period of 10 years including cost of training, uniforms, basic kits etc.	Sukinda Range	8.70
2	Awareness campaign, management of inter-face between man and elephant including hiring charges of vehicle, cost of equipments and POL etc. for anti-depredation measures	Sukinda Range	1.74
3	Improvement to habitat from wildlife Management point of view in the designated corridor identified in nearest vicinity as per GPS co-ordinate mentioned in the enclosed sheet @ Rs.22,200/- per ha.	Sukinda & Tomka Range	6.140
4	Creation of 1 No. of Water Harvesting Structure (WHS) across Aradapal Nala & cost of installation of a solar Power operated submersible pump with a pump house cum watcher's shed to feed the WHS during dry season.	Aradapal Nala of Sukinda Range	16.00
5	(a) Soil and moisture conservation measures by erection of check dams.	Sukinda Range	2.11800
	(b) Excavation of staggard trenches and gully plugging		0.00
6	Craton and development of 5 Nos. of artificial salt licks near the proposed WHS and near the perennial nalabanks inside Mahagiri DPF near village Kakudia, Panasia, Mahulkhala village and maintenace for 10 years	Sukinda Range	0.36
7	Dvelopment of pastures along the banks of Nala, near the WHS and inside Mahagiri DPF near village Mahulkhal, Kusumundia, Giringamali, kakudia & Panasia village	Sukinda Range	0.630
8	Fire Management the cost for different fire protection measures are as follows: (a) Clearance of fire lines in the fire prone sites around such as daitari & Mahagiri DPF forest blocks & wages of fire watchers in the zone of Influence. (b) Incentives to the members of 8 VSS located at strategic locations in extinguishing incidental fire (c) Purchase of firefighting drill, fire mapping and evaluation etc.	Sukinda Range	1.35
9	Incentive to 8 VSS located in the Z.I to protect the habitat in Daitari & Mahagiri DPF from theft, encroachment grazing, other biotic interferences, and preventing poaching and assisting community Fr/Wildlife protection squad & local forest staff in Anti-depredation and anti-poaching duties. (i) Cash award @ Rs.4,000 per annum. (ii) Supply of crackers etc. to the effected villagers to drive away wild elephant from crop raiding and depredation in the zone of influence on lump sum Rs.2,00,000.	Sukinda Range	0.52
10	Provision of 1 No. of multipurpose 3 storey watch tower with watcher shed to be constructed at Panasia as per GPS location mentioned in the enclosed sheet. Detail plan and estimate will be prepared at the time of execution of the work. On lump sum.	Sukinda Range	10.00
11	Cost of immunization of village cattle in the zone of influence	Sukinda Range	0.50
12	Provision for secret fund for the informers as per para 6.3.2.3 for collection fo information regarding illicit felling, poaching etc. and steady transmission to local forest staff for taking legal action.	Sukinda Range	0.20
13	Cost of free distribution of 2 year old saplings with fertilizers & pesticides a		0.00
14	Monitoring, evaluation, research and training including bio-diversity/bench mark study etc.		0.20
15	Provision of compassionate grant payment as per para 6.6.3.4.		1.00
<b>Total:-</b>			<b>49.46</b>

<b>20. MAHAGIRI HROMITE MINES OF M/S. IMFA LTD - Cuttack District/Cuttack Forest Division</b>			
SL. No.	Component	Location	Total Amount
	(P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		

			(Rs. In lakh)
1	2	3	4
1	Improvement of Forest Area like Silviculture operation, climber cutting etc.	Tomka Range	2.80
2	Two nos of large Water Bodies	Sukinda Range	11.20
3	Engagement of motivators & creation of Awareness	Sukinda & Tomka Range	0.20
4	Elephant driving equipments	Aradapal Nala of Sukinda Range	0.20
5	Creation of Awareness	Sukinda Range	0.20
6	Fire Watcher 2 nos for 4 months	Sukinda Range	0.687
7	Fire fighting equipments	Sukinda Range	1.00
8	Incentive to Forest fringe villages	Sukinda Range	0.10
9	Fireline tracing	Sukinda Range	0.25
10	Intelligence collection	Sukinda Range	0.10
11	Monitoring Evaluation	Sukinda Range	0.10
<b>Total:-</b>			<b>16.84</b>

<b>21. MAHAGIRI HROMITE MINES OF M/S. IMFA LTD - Cuttack District/Cuttack Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O / 1st Yr. / 2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Anti-poaching squad, vehicle, pol, survilance	Sukinda Range	19.420
2	AR plantation-50 HA.	Sukinda Range	17.188
3	Solar lighting, storage of grain, training to VSS members & incentives	Sukinda & Tomka Range	10.000
4	Fireline creation	Aradapal Nala of Sukinda Range	1.000
5	SMC	Sukinda Range	3.000
6	Altenate livelyhood for people	Sukinda Range	0.500
7	Cattle immunisation	Sukinda Range	0.500
8	Signage	Sukinda Range	1.000
9	Farm forestry-8000 nos two years old seedlings for distribution	Sukinda Range	2.000
10	Awareness creation	Sukinda Range	0.300
11	Othe unforeseen expenses	Sukinda Range	0.500
<b>Total:-</b>			<b>55.41</b>

<b>22. Rehabilitation and Up-gradation to 4 laning of Angul-Sambalpur section - Angul District/Athmallik Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	lantation of Fruit & Fodder Species on Both sides of Animal Under passes. (ANR Mode @600 plants per Ha)		3.18
2	Creation of Water holes		0.00
3	Creation of Water harvesting Structure		0.00
4	Soil & Moisture Conservation		0.00
5	Guarding the unguarded wells		0.00
6	Creation & Maintenance of Fire Lines		4.00
7	Construction of Staff barracks		0.00
8	(a) Modern Fire fighting equipments (Blower)		0.00
9	(b) Fuel & Maintenance		3.00
10	Deployment of Anti Depredation Squad		19.03
11	Fixation of Birds Nest		2.00
12	Public Awareness & involvement of VSS		0.00
13	Establishment & Maintenance of GIS Cell		0.00
14	Providing Camera Trap		0.00
15	Animal Rescue kit		0.00
<b>Total:</b>			<b>31.21</b>



<b>23. Four/ Six lanning, widening &amp; Strengthening of existing two lane of N.H. 215 within (Panikoili to Remuli-136km-11.892) - Keonjhar District/ Keonjhar (WL) Division</b>			
SL. No.	Sub-component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	ANR with gap plantation over 10 ha. @22, 200/- per ha.	Anandapur	0.40
2	Fire fighting equipments		0.00
3	Anti-poaching-cum-anti-depredation & fire protection squad		19.03
4	Logistics for the Squad		0.80
5	Creation of Awareness		0.40
6	Snake catching Sticks		0.00
7	Snake cages & Trapping nets.		0.00
8	Corpus fund		3.00
9	Solar Electric Fencing		3.00
10	Wages of Driver		0.00
11	POL for the vehicle		0.00
<b>Total:-</b>			<b>26.63</b>

<b>24. DAITARI EXTENSION AREA OF M/S. OMC LTD - Keonjhar District/ Keonjhar (WL) Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Studies on elephant habitat utilization corridors, population structure: a) Wages of 2Research scholar @ Rs.25,000/- per month x 60 months b) Wages of a Research Asst. @ Rs.15,000/- per month x 60 months c) Travel & contingencies @ Rs.4,000/- per month for five years.		6.00 1.80 0.48
2	(a) Enrichment planting 300ha @ Rs.115530.00/- per ha b) Agave plantation for 5km x 5 rows @ Rs.415690/ per km		22.82 2.31
3	Biodiversity studies & monitoring: (a) Wages of 2 Research Scholars @ Rs.25,000/- per month for 5 years. b) Wages of a Research Asst. @ Rs.15,000/- per month for 5 years. c) Travel & contingencies @ Rs.4,000/- per month for five years.		0.00 0.00 0.00
4	(a)Fire line 100km @ Rs 47,000/- per km. (b) Maintenance of fire line		0.00 2.98
5	Wages of fire watchers during 5 months		2.24
6	Fire fighting incentive		2.50
7	Elephant habitat & movement path maps preparation in the GIS domain.		2.00
8	Wages 25 Van Sahayaks over a period of 10 yrs.		26.82
9	Awareness Promotion (Exposure visits, Signages, Meetings and seminars, Prizes).		3.00
10	Anti-depredation Activities: (a) Anti-depredation squad 1 no. (Consisting of 5 persons) (b) Provision of equipments		6.98 1.00
14	Meadow development		6.99
15	Safeguard along Railway (Light Reflectors) 50 nos. @ Rs.20,000/- each including fixing charges.		0.25
16	Safeguard along Road (Signages).		1.00
18	Cratonb of 10 nos. of Salt licks in Rebena RF @ Rs.50,000/- each.		0.25
19	Construction of loose boulder check dams		10.00
<b>Total:-</b>			<b>99.41</b>

<b>25. Lower Indra Irrigation Project - Nuapada District/Khariar Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4

1	Enrichment plantation of fruit bearing species and NTFP species in the forest areas around the reservoir	LIP Project, Tikhali	3.39
			1.80
	<b>Total:-</b>		<b>5.18</b>

<b>26. Action Plan for Marine Life Conservation including Olive Ridley Conservation - Kendrapada District/Mangrove Forest Division (WL), Rajnagar</b>			
SL. No.	Component (P.O./1st Yr./2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. in lakh)
1	2	3	4
1	Demarcation of the boundary of Gahirmatha (Marine) Wildlife Sanctuary	Gahirmatha Wildlife Range	130.00
2	Provision of Sea worthy support boat.	Kujang Coast	30.00
3	Constitution of Marine <b>protection squad.</b>	Gahirmatha & Kujang	30.00
4	Capacity Building & Training of Front line staff	Wildlife Range	1.00
	<b>Total:-</b>		<b>191.00</b>

<b>27. Action Plan for Marine Life Conservation including Olive Ridley Conservation - Puri District/ Puri (WL) Division</b>			
SL. No.	Component (P.O./1st Yr./2nd Yr. Main. etc to be mentioned)	Location	Total Amount (Rs. in lakh)
1	2	3	4
1	(a) Establishment of Permanent Protection camp cum monitoring centre at Devi mouth (New Island).	Devi mouth	20.50
2	(b) provision of protection squads		12.00
3	Provision of Sea worthy support boat.		5.00
	<b>Total:-</b>		<b>37.50</b>

<b>28. Construction of Conveyor Corridor and formation of Mines access road of Baphimali Bauxite Mining project of M/s Utkal Alumina international Ltd - Rayagada District/Rayagada Forest Division</b>			
SI No	Component (P.O./ 1st Yr./2nd Yr. maint etc to be mentioned)	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	<b>1. Habitat Improvement:</b> a) Improvement of Forest cover (through Bald Hill plantation) over 7.337 ha. @ Rs.1,63,310/- per ha with 1600 plants/ha. (Wages rate of Rs.150/day)		1.32
2	Craton of Awareness through various activities..		1.00
3	<b>Prevention of Forest Fire:</b> a)Wages of 1 plantation watcher-cum-Fire Watcher throughout the year.		1.09
	b) Wages of 2 fire watchers from March to June		0.72
4	Corpus funds for grant of Compassionate payment		3.00
5	Monitoring and Evaluation		1.00
	<b>Total:-</b>		<b>8.13</b>

<b>29. Baphimali Bauxite Mine - Rayagada District/Rayagada Forest Division</b>			
SI No	Component (P.O./ 1st Yr./2nd Yr. maint etc to be mentioned)	Location	Total Amount (Rs. In lakh)
1	2	3	4

1	<b>Habitat Improvement:</b> 1(i) - ANR Practices and enrichment gap plantation- Udalsil RF- 50 ha. Dandabad RF & adjoining revenue forests-25 ha., Kandabindha RF-25 ha. <b>(Total- 100 ha. @ Rs.29,698/- per ha.)</b>		29.97
	(ii)- <b>Development of water hole/water harvesting structure (WHS)</b> - Udalsil RF-01 no. on LS Rs.6.00 lakhs.		6.00
	(iii)- <b>Fire Protection:-</b> (a) Construction of 01 no. of fire cum anti-poaching/anti- depredation watch tower with provision of solar light system and drinking water facility in Udalsil RF on LS Rs.8.00 lakh.		8.00
	(iv)- <b>Soil and moisture conservation measures in Dandabad, Udalsil &amp; Kandabindha RF-</b> (a) Check dams 1mt. Span-85 nos., 2mt. Span-45 Nos. and 3mt. Span-30 nos. = Rs.10,73,685/- or 10,74,000/- (b)- Contour bunding Rs.1,00,000/-.		5.00
2	<b>Wildlife Protection and Anti-depredation &amp; Fire fighting squad:</b> (a)- Cost of hired vehicle POL etc. and wages of 10 member squad-1 no. over the plan period 1 squad x Rs.19,03,000/- Squad/Annum.		19.03
3	<b>Eco-development and capacity building programme:</b> (a) Immunization of live stock of villages nearer to wildlife habitat @ Rs.0.50 lakh per Annum.		0.50
	(b)- Supply of Unnat Chula/LPG connection to the forest dependant people fo the impact area @ Rs.1600/- per each.		2.00
	(c) - Entrepreneurship development activities @ Rs.1.00 lakh per village/SHG.		2.00
	(d)- Decentralised nursery for livelihood of PODU dependent people by free distribution of fruit bearing tall saplings (2 year old) such as Mango, Jackfruit, Pineapple etc. to the forest dependant people for three years @ 5,000 Nos. per year for 3 years = 15,000 nos. @ Rs.26.76/- per seedling.		1.34
4	Celebration of improtant Wildlife events & distribution of prizes.		0.30
5	Monitoring, research, satellite survey including publication of I.E.C (research) materials etc. @ 0.5 lakh per Annum.		0.50
<b>Total:-</b>			<b>74.64</b>

### 30. Kodingamali Bauxite Mines - Rayagada District/Rayagada Forest Division

SI No	Component (P.O./ 1st Yr./2nd Yr. maint etc to be mentioned)	Location	Total Amount (Rs.in lakh)
1	2	3	4
1	Protection watcher/Banasahayak 5 Nos. for 1 year.		5.36
2	Plantation over 100 ha. With 10 years maintenance @ Rs.39.980/-per ha. In ZOI (Plantation ANR @ Rs.400 plantation per Ha.)		28.35
3	Soil & Moisture conservation		6.00
4	Soil & moisture conservation measures/check dams in Zol		6.00
5	Creation of water body (2 Nos.) and maintenance for 5 years & soil conservation measures/ponds/bird birth/temporary water holes/ wallowing grounds creation		12.00
6	Watch towers (2 Nos.)		0.00
7	Incentives to VSS for forest Protection etc.		0.50
8	Incentives to 5 villages co-ordinators.		1.50
9	Fire protection/ Line tracing		3.00
10	10- Fire watchers 10 Nos.		5.36
11	11- Salt lick and maintenance		0.00
12	12- Status survey/ monitorig/wildlife population. Development of commnication network/GIS based maps satellite maps on GIS domain should be procured every year to Know the changing profile of the project area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL), Odisha.		2.00
13	Social Farm Forestry		1.60
14	Podu Prevention/cash crop introduction		1.50
15	Awareness promotion		1.00
16	Cattle immunization		0.50

17	Corpus fund man animal conflict		1.00
18	Capacity building/ field visits		0.50
<b>Total:-</b>			<b>76.17</b>

<b>31. M/s Balita Iron Ore Mines of Dr. Sarojini Pradhan [Barbil Range] -Keonjhar District/ Keonjhar (T)Forest Division</b>				
SL. No.	Component (P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. In lakh)
	1	2		
1	Forest Protection/SMC/Habitat Development inside lease hold area		Bileipada	1.00
2	Purchase of POL		Barbil Range	1.20
<b>Total:-</b>				<b>2.20</b>

<b>32. M/s Khatau Narbheram &amp; Co. - [Barbil Range] - Keonjhar District/Keonjhar (T) Forest Division</b>				
SL. No.	Component (P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. In lakh)
	1	2		
1	Bio-Diversity Monitoring & Development of Communication network / GIS Base map, Satelite map on GIS domain every year for 10 year		Barbil Range	1.00
2	Unferseen Expenditure		Barbil Range	0.50179
<b>Total:-</b>				<b>1.50</b>

<b>33. Baitarani Iron Ore Mines of Dr. Sarojini Pradhan -[Champua Range] - Keonjhar District/Keonjhar (T) Forest Division</b>				
SL. No.	Component (P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. In lakh)
	1	2		
1	Block plantation with suitable fencing in suitable area including dumps on Terraces for stabilisation / Greenary before final back filling after mine closure		Baitarani B RF	1.12455
<b>Total:-</b>				<b>1.12</b>

<b>34. M/s Jajang Iron &amp; Mn. Of Rungta Mines Ltd. -[Champua Range] - Keonjhar District/Keonjhar (T) Forest Division</b>				
SL. No.	Component (P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		Location	Total Amount (Rs. In lakh)
	1	2		
1	Habitat Improvement with fodder & fruit bearing species, Block Plantation, ANR withgap Plantation, Meadow development, Bamboo Plantation/ SMC/ SVC, Salt licks etc		Jurudi Beat	1.61
2	Seedling of Palletised grass seeds after weed removal for 3 consucative years and W/W		Dhanurjayapur KF	3.47
3	Incentive to VSS		Patabila VSS	1.00
4	Grants to VSS establishing medicinal plant garden / Training		Champua Range	1.00
6	Anti-potching / Depredation squad with Fuel for 10 year		Champua Range	1.42
7	Monitoring & Evaluation		Jajang Iron & Mn. Mines	0.50
8	Awareness, Signage, Multimedia, alternative livelyhood		Champua Range	1.00
9	Unforeseen Expenditure		Champua	0.50

	Range	
<b>Total:</b>		<b>10.50</b>

<b>35. Gandhamardan Iron Mines Block-B of M/s OMC Ltd. [BJP Range] - Keonjhar Distirct/Keonjhar (T) Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs.in lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Eco-Development of Peripherial villages	Suakati, Ambadahar, Talakainsary Nitigatha, Danla, Urmunda, Jagar	1.00000
2	Anti-Depredation Squad	Anjar	0.49568
3	Equipment	Anjar	0.50000
4	Habitat Improvement / Gap Plantation, Deweeding 250 ha	Naupada, Gandhamardan PRF	2.61500
5	Elephant Tracker & Anti-potching squad	Anjar	1.52352
6	Fire Watcher	Anjar	2.00
7	Salt Licks 10 nos	Champey PRF- 1no, Suakati PRF-1no, Sidhamatha DPF-2nos, Sanghagara A DPF-1 no Dumurdihi PRF 1 No	0.60
8	Immunisation of cattle	Danla, Suakati, Urmunda, Nitigatha, Talakaisary	0.50
9	GIS Base MAP	Anjar	1.00
10	Monitoring & Evaluation	Anjar	0.30
11	Unforeseen Expenditure	Anjar	1.00
<b>Total:</b>			<b>11.53</b>

<b>36. Establishment of Iron Ore benification Plant &amp; Tailing Dam M/s BRPL [Barbil Range] - Keonjhar District/Keonjhar (T) Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>3</b>	<b>6</b>	<b>11</b>
1	Habitat Improvement , weed eradication, meadow development, GAP Planting etc [ 293 ha]	Sidhamath R.F., Karo R.F.	8.07
2	Anti-Depredation Squad - 1 No	Barbil Range	4.51
3	FireProtection Squad	Barbil Range	2.51
4	(Fire) POL, hiring of vehicle	Barbil Range	2.05
5	Incentive to villagers for fire prevention	Barbil Range	0.20
6	Ecological monitoring and research (incuding census, Digital MAP with computer accessories / GIS MAP	Barbil Range	0.50
7	Information, Education, Communication, Awareness including award	Barbil Range	1.00
<b>Total:</b>			<b>18.84</b>

<b>37. Dalki Mn mines of M/s BPME Ltd C/o- OMDC -Barbil Range - Keonjhar District/Keonjhar (T) Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Protection of forest including support to VSS/boundary maintenance etc.	Karo R.F.	2.50
4	Habitat improvement large scale plantation preferably with fodder, Bamboo, fruit bearing species & Devt. Of grass land/Meadows including watch & ward for-5 years at least over 50ha.	Uliburu RF, Thakurani RF	5.00
6	Public awareness/capacity Building	Barbil Range	0.50

7	Protection/Anti-depredation squad with cost of equipments, incentives etc=3000x4x12x10=14.40+equipments 1.80	Barbil Range	0.47
10	Immunization of livestock	Bolani (Haramatha)	0.50
11	Devt. Of communication network/GIS based maps satellite maps on GIS	Barbil Range	0.50
<b>Total:</b>			<b>9.47</b>

<b>38. M/s Sarada Mines [Barbil Range] - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Wages of 2 Protection Watcher	Barbil Range	1.44
2	Two anti-potching Squad & 1 Anti Depredation Squad, equiped with semi-permanent accommendation, Drining water facility, VHF Sets	Thakurani RF	4.19
3	Incentive to informer	Barbil	0.20
4	Farm Forestry & Community Forestry & their maitenance	Bileipada	3.00
5	Erection of educative signage	Barbil Range	0.30
6	Organisation of different competition , field trips and nature camps etc	Barbil Range	0.25
7	Purchase of anti-depredation equipments & tranquillising gun with drugs and other accessories	Barbil Range	0.77
8	Bio-diversity monitoring & Development of communication network /GIS bases map reg both dry seasons & wet seasons for 10 years.	Barbil Range	2.00
9	Unforeseen Expenditure	Barbil Range	0.20
10	Development of electric fence around 9 broken up mining patches & mainten for 10 years including extending its as and when area are open for mining on 7 patches out of 9.	Guali Section	2.00
<b>Total:</b>			<b>14.35</b>

<b>39. Katamati Iron Ore Mines by M/s TATA - Barbil Range - Keonjhar District/ Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Elephant Spot Light	Barbil Range	0.50
2	Habitat Improvement 100 ha	Thakurani R.F.	16.140
3	Fireline Creation & maitenance 5 Kms	Karo R.F.	0.20
4	Engagement of Fire Watcher & Equipment	Barbil Range	2.36
5	Engagement of Anti-poching Squad	Barbil Range	4.20
6	Salt licks Creation & Maitenance	Sidhamath R.F.	0.50
<b>Total:</b>			<b>23.90</b>

<b>40. Four &amp; Six lanning NH-215 from 0 to 163 kms (Panikoili-Remuli Section) of NHA I - Ghatagaon Range - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	ANR with Gap Pantation 200 plantn/ha Pipilia RF 140 ha (Now Required PO+ Pitting]		10.65
2	Elephant tracker cum Protecion Squad / Fire Watcher- no		5.40
3	Logistict such as Camping facility equipment / materials		1.00
	Fire Fighting Equipments		1.00
4	Equipment such as light, cracker, night vision		2.00
5	Awareness raising in Forest Fringe Villages		0.80

6	Wages of Driver		1.40
7	POL		1.20
<b>Total:-</b>			<b>23.45</b>

<b>41. Khandabandh Iron &amp; Maganeese Mines of TATA- Champua Range - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	ANR with Gap Pantation 678.234 Ha PO+Pitting	Balibandha RF & Laxmiposi RF	30.43
2	Creation of Large Water Body 2 No	Kalikaprasad RF	10.00
3	Fire Watcher 10 nos for Five months	Balibandha RF	4.29
4	Clearing Fireline	Baitarani A RF	3.00
5	Corpus Fund to be kept as a revolving Fund	Champua Range	10.00
6	Awareness raising in Forest Fringe Villages	Balibandh Sec. Ofc	1.00
7	Equipment to deal with elephant depredation	Champua Range	2.00
8	Engagement of Anti-poching Squad	Balibandh Sec. Ofc	11.00
9	Logistict such as transport, camping facility & equipment (Hiring of Vehicle for squad)	Champua Range	4.92
10	Intelligence Collection	Champua Range	1.00
<b>Total:-</b>			<b>77.64</b>

<b>42. Unchhabali Iron &amp; Mn Mines of Smt Indrani Patnaik - Champua Range - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Delineation of Corridor & Provision of signaging and hoading	Trainline Signage	0.40
2	Solar Power Fencing over 5 Kms. With solar system to act as elephant proof barrier.	Patuakudar	2.15
3	Provision of Tube well	Bamebari Sec.	0.50
4	Annual Repairing Cost @50000/- (VHF)	Bamebari Sec. Ofc	0.50
5	Incentive to 2 nos Villages @4000/-	Basantpur	0.36
6	Engagement of 2nos Tracker for 10 Years	Champua Range	0.23
7	Cost of POL, Supply of Spot Light / Cracker	Champua Range	0.20
<b>Total:-</b>			<b>4.34</b>

<b>43. Balada Block Iron Ore Mines of M/s Sirajuddin &amp; Co- Champua Range - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	ANR 178.39 ha	Kalikaprasad RF	9.12
2	Meadow Development 5 ha	Nandijhari DPF	1.46
3	Engagement of Motivator 2 Nos / Awareness	Bambeari Sec. Ofc	2.10
4	Anti-potching Squad 5 Nos of 10 Years	Bambeari Sec. Ofc	5.25
5	Tenting equipments & anti-depredation gears	Champua Range	0.80
6	Corpus fund	Champua Range	10.00
7	Solar fencing 2 Kms.	Naibuga RF	6.80
8	VSS Formation & Entry point activities 5 nos x 2 lakhs	Champua Range	2.00
9	Fire Watcher 5 Nos	Naibuga RF	2.15
10	Incentive for Fire prevension to 10 nos villagers	Kaliapal	1.00
11	Fire equipment	Champua Range	0.50
12	Fireline Tracing	Naibuga RF	0.86
13	Intelligence Collection	Champua Range	1.00

14	Supply of GPS, Elephant Focus Light, hooter, Mega Phones, Camp Equipment etc	Champua Range	1.00
<b>Total:-</b>			<b>44.04</b>

<b>44. Inganijharan Iron and Mn Ore Mines by M/s Bhanja Minerals Pvt. Ltd - Champua Range - Keonjhar District/Keonjhar (T) Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Plantation of fruit and fodder species and protection of Forests include creation of WaterBody	Baitarani A RF	2.10
2	Anti-Depredation equipments & Training / incentive to squad	Champua Range Area	0.20
3	Creation of Permanent / Temporary Water Hole with re-filling in summer	Baitarani A & B RF	2.00
4	Development of Communcation Network / GIS Based Maps, Satelite Maps for 10 Years (preferably using the GIS Lab of PCCFWL	Champua Range	1.00
5	Pollution Levels monitoring mechanism to be developed in consultation with SPC Board to assess pollution of water streams , forest area etc	Champua Range	0.50
6	Awareness Creation	Champua Range	0.50
7	Other Unforeseen Expenses	Champua Range	0.40
<b>Total:-</b>			<b>6.70</b>

<b>45. Putulipani Iron Ore Mines by M/s Gandhamardan Sponge Industries Pvt. Ltd. - BJP Range - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Protection of Forest including support to the VSS / boundary maintenance etc. Development of Anti-depredation / Anti-poaching squad (4 persons)	Anjar	4.50
2	Fire Protection for 10 years including wages of Fire Watcher (2 Persons)	Suakati	0.86
3	Habitat Improvement : Plantation preferably with fodder, Bamboo, fruit bearing species / Grass Land / meadows and de- weeding including WW	Naupada - Gandhamadan PRF	6.72
4	Public Awareness / Capacity Building	Suakati	0.50
5	Corpus fund	Anjar	2.00
6	Eco-Development / income generating activities	Suakati	1.00
7	Unforeseen Expenditure	Anjar	0.20
<b>Total:-</b>			<b>15.78</b>

<b>46. Bolani Iron Ore Mines of M/s SAIL - Keonjhar District/Keonjhar (T) Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Awareness campign with signages at strategic places in 10 Nos villages @10000/- per village per year	Forest Fringe villages near Sidhamatha, Karo, Thakurani, Uliburu, Baitarani "A" & "B" RF	1.00
2	Capacity Buildings & Procurement of anti-depredation items lick crakcers, torch etc, for villagers / VSS Members 10 Nos @20000/-	Barbil Range	2.00
3	Entry Point Activities - (a)Supply of Grain Bin in 10 villages @ 15 nos per villages @2000/-	Barbil Range	3.00



4	b) Construction of Storage godown 3 nos in 3 strategic villages @ 5 lakhs each	Barbil Range	15.00
5	c) Alternative livelihood initiatives like Honey Bee keeping, Sal plate making value, addition to NTFPs etc @5lakhs /peryear	Barbil Range	5.00
6	One Anti-depredation and Wildlife protection squad with 10 members	Barbil Range	17.94
7	One Fire Protection Squad with 10 member with hired vehicle for 5 months	Barbil Range	6.50
8	Purchase of firefighting equipment with 10 nos of fire blowers	Barbil Range	7.00
9	Wages of 10 nos fire watcher for five fire month	Barbil Range	4.20
10	Training to the fire watchers to be engaged and the villagers on fire fighting drills	Barbil Range	0.20
11	Construction of 3 Nos of watch towers with solar light and tube well facilities for drinking water	Uliburu RF near Haramath	20.00
12	Creation of Water Bodies 5 Nos	Uliburu RF near Haramath, Uliburu RF near Haramath, Uliburu RF, Sidhamath RF, Baitarani RF & Lakrghat RF near Rugudisahi	35.02
13	Soil moisture conservation measures in the catchment areas over small drainage within 1 mtr span with wire mesh.	Sidhamatha Rf, Baitarani RF, Karo RF, Kahraghati RF	3.14
14	Soil moisture conservation measures in the catchment areas over small nalas on the hill slopes with 2 mtr span with wire mesh	Sidhamatha Rf, Baitarani RF, Karo RF, Kahraghati RF	3.20
15	Soil moisture conservation measures in the catchment areas over small nalas on the hill slopes with 3 mtr span with wire mesh	Sidhamatha Rf, Baitarani RF, Karo RF, Kahraghati RF	3.46
16	Provision for rechargeable large long range powerful flash light / torch for supplying to the villagers for assisting in protection during patrolling, Wildlife protection and fire protection work 100 nos	Barbil Range	1.50
17	Driver Salary @17631 PM	Barbil Range	2.12
18	Health Camp for villagers of Forest Fringe areas	Barbil Range	0.50
19	Immunization of cattle in forest fringe villages	Barbil Range	0.50
20	Monitoring & Evaluation	Keonjhar Division	1.00
21	Payment towards cost of engaging one GIS Expert @ 25000/- per month	Keonjhar Division	3.00
22	Payment towards cost of Monitoring and evaluation procurement of latest satellite maps every year	Keonjhar Division	1.00
23	Contingency	Keonjhar Division	2.00
<b>Total:</b>			<b>138.27</b>

<b>47. Roida-I Iron Ore Mines of Mideast Integrated Steel Ltd. - Keonjhar District/ Keonjhar (T) Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Habitat Improvement, GAP Planting, SMC measures	Barbil Range	1.00
2	Awareness Promotion	Barbil Range	0.10
3	Fire Protection and protection of forest patches including creation of game tanks / bird bath / temporary water hole etc	Barbil Range	0.70
4	Income generating measures	Barbil Range	0.50
5	Immunisation of cattle	Barbil Range	0.10
6	Metal Bins	Barbil Range	1.00
7	Solar Light	Barbil Range	1.00
8	Development of Communication network / GIS based map / Satelite map on GIS Domain	Barbil Range	0.50
9	Unforeseen Expenditure	Barbil Range	0.10
<b>Total:</b>			<b>5.00</b>

<b>48. Patmunda Mn Mines M/s (P) Ltd. (Lease area-807.136 ha.) - Sundargarh District/Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Habitat Improvement both in project impact area including with fodder & fruit bearing species block plantation/ ANR with gap plantation with above species, meadow development, Bamboo plantation/Bamboo clumps silvicultural operation etc, soil & moisture conservation measures, wallowing grounds development, salt lick, watch tower, etc	Koira	5.00
2	Awareness promotion, meeting/ seminar with equipment of multimedia, signages about wild animals presence, training on alternate livelihood activities and supply of kits / machines etc.	Koira	0.96
3	i) Fire watcher 10 nos ii) Fire fighting Equipmet III) Incentive for fire prevention IV) fire prevention measures with fireline creation / maintenance, fire fighting equipment, incentives to VSS, fire watchers squads etc	Koira	1.50
4	Bio-diversity studies	Koira	2.00
5	Unforeseen expenditure	Koira	0.24
<b>Total:-</b>			<b>9.70</b>

<b>49. Narayanposhi Iron Mn. Mines of M/s.AMTC (P) Ltd. (349.263) - Sundargarh District/Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Habitat Improvement measures with fruit bearing and fodder species / Bamboo Plantation / meadow development / ANR/ staggered trenches in forest area	Karo RF	0.43
2	Creation of water sources in forest areas with wallowing grounds of the down side of spill way by creating muddy and silty area for wild animals to wallow and gambol	Koira	5.00
3	Equipment for 10 year Flash light 30 nos Megaphone-15 nos Mobile phone with SIM card 5 nos Fire cracker Soler light 25 nos	Koira	1.00
4	Creation of fire lines and maintenance of old lines / fire fighting equipment / fire fighting squad/ incentive to VSS prevention of fire as encouragement incentive	Koira	1.50
5	Check gate = 2 nos 1.0 Remuneration of VSS member = 2nos = 6.01	Koira	1.00
6	Livelihood activity promotion, training supplying of various kits/ machines / equipments/ self-help groups formation / micro credit seed money etc.	Koira	5.00
7	Awareness promotion, signages for wildlife etc	Koira	1.00
8	Biodiversity and animals status monitoring & development for communication network / GIS based maps Satellite maps of GIS domain should be procured from ORSAC every year to know the changing profile of the project area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL), Odisha	Koira	2.00
9	Unforeseen & miscellaneous	Koira	0.50
<b>Total:-</b>			<b>17.43</b>

<b>50. Barsuan - Talদিহি -Kalta(ML-130) Iron Mines M/s SAIL (Lease area-2486.383 ha.)- Sundargarh District/Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>

1	ANR With Stone wall fencing (300 ha) (4th year)	Kuliposh/ Tamra	2.58
2	Bamboo Plantation 500 ha (2nd year)	Kuliposh/ Tamra	8.20
3	Eradication of weed (200 ha)	Barsuan	5.00
4	Soil Conservation measures/ M. Check Dams (200 ha)	Barsuan	3.20
5	N. Counter trench (50 ha) from 3rd years	Barsuan	6.98
6	O. Gully Control-agave plantation (100 sites)	Barsuan	1.37
7	Fire Consequence M. Maintenance of fire line (100 km)	Barsuan	8.60
8	Engagement of fire watcher for 5 months (40 person)	Barsuan	17.18
9	O. Fire Fighting incentive (40 VSS)	Barsuan	8.00
10	Water harvesting Structure (WHS) water body 11 nos)	Barsuan	18.00
11	Development of Grass land (50 ha)	Barsuan	2.00
12	Awareness	Barsuan	3.00
13	Monitoring & evaluation	Barsuan	0.00
14	Habitat Improvement measures: Construction of Check dams 9 year 1-5) to Help retain water, spread moist ground and prevent spread of fire maintenance of check dams, Developmet of Meadows	Barsuan	5.00
15	Micro planning for habitat management	Barsuan	3.00
16	Establishment of 10 - Protection camps for each WLRZ. Each camp will have 10 persons who will carry out protection and related activities	Barsuan	22.00
17	Fire Control Measures through EDC involment	Barsuan	1.00
18	Expenses related to Organisation of meeting, Travel etc	Barsuan	1.00
19	Annual Review of activities by independent consultant	Barsuan	1.50
20	Monitoring of regeneration in forest floor (five plots in five WLRZone)	Barsuan	1.00
21	Survey and mapping of trees used by Gaint squirrel for nesting and feeding	Barsuan	0.50
22	survey and mapping of evidence of carnivores and herbivores	Barsuan	0.50
23	Survey and monitoring of invertebrate diversity	Barsuan	0.50
24	survey and identification Orchid flora with host trees and locations	Barsuan	0.50
25	monitoring of vehicles movement and visitor profile	Barsuan	0.50
26	Research through local institution/Organization (research personnel: two research fellows (One RF academic qualification in commerce IR and Management ; I RF a Biologist)( per fellw, fellowship+ HRA Rs25,000/- PM with 7% increase every year) with two field assistants (local youth, knowledge of area matriculate (Rs7,000/- PM per person with 7% increase every year); Travel (Rs15,000/- year) and cost of insurance for life and health (Rs. 30,000/- per year with 7 % increase per year ); and misc contingencies	Barsuan	8.20
27	Elephant approach-proof concrete base around electricity poles to be constructed vy concrete villageers 30 structures / year	Barsuan	5.00
28	Support to remove danger from shagging of electricity supply lines	Barsuan	1.00
29	Reward to villagers for participation in peaceful elephant escort-out operation	Barsuan	0.50
30	Community level discussion for biodiversity management (6 nos / year)	Barsuan	1.00
31	Assistance for setting up green shops 5 number (2nd year onwards)	Barsuan	1.00
32	Assistance for picnic outlets- 5 number (92nd year onwards)	Barsuan	1.00
33	Assistance for developing guide trekking routes 2 nos (1st year onwards)	Barsuan	1.00
34	Publication of brochures, guide booklets, training of tourist guide camp attendant, camp-coock and other categories person	Barsuan	0.50
<b>Total:-</b>			<b>140.30</b>

<b>51. TRB from Mines of M/s Jindal Steel &amp; Power Ltd.(Lease area -207.787 Ha.) - Sundargarh District/Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>		<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
1	Habitan Improvement by developing grass lands Plantation of fruit bearing and fodder species in the gaps and barren areas of the suitable govt. and privat lands @ Rs.30,000/- per ha covering 100 ha.	Toda RF	0.43
		Toda RF	0.43

2	Farm forestry and distribution of seedlings to villagers Rs.1 lakhs per year for 10 year	Barsuan	1.50
3	Monitoring of water, dust and noises pollution of a species team under the supervision of DEO in consultation with pollution control board-1 lakhs per year	Barsuan	1.00
4	Incentive to informants and intelligence collection	Barsuan	1.09
5	Miscellaneous	Barsuan	0.50
6	Unforeseen expenditure	Barsuan	1.00
<b>Total:-</b>			<b>5.95</b>

**52. San Indpur Iron & bauxite Mines of M/s Rungta Sans (P) Ltd (lease area 147.10 Ha.) - Sundargarh District/Bonai Forest Division**

SL. No.	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Enrichment Plantation over 50 ha with fruit and fodder species @ Rs.25,000/- fencing Rs.13,000/- = 38,000/- per ha	Koira	0.43
2	Training, meeting, seminars @ 0.50 per year	Koira	1.00
3	Development of communication network / GIS based maps Satellite maps of GIS domain should be procured from ORSAC every year to know the changing profile of the project area in both dry season and wet season for 10 year preferably using the GIS lab of PCCF WL odisha	Koira	2.00
4	Contingencies & unforeseens	Koira	0.50
<b>Total:-</b>			<b>3.93</b>

**53. M/s Visal Metallics (P) Ltd. (Lease area-16.647 ha.) - Sundargarh District/Bonai Forest Division**

SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	ANR in Dantpat East RF @ Rs.32,466/- per ha with maintenance up to 10th year	Bonai	0.50
2	Forest Fire prevention measures inside Buffer Zone including cost of fire fighting equipment, fire line maintenance and awareness programme for 10 year @ Rs.1.0 lakh per year	Bonai	1.00
3	Maintenance of RF boundary line-cum-fire line of dantpat east RF @ Rs.2,000/- per km for 3 time within 10 year span	Bonai	0.12
4	(b) Distribution of fuel efficient chullahs spread over 4 year @ Rs.350/- per chulla	Bonai	1.75
<b>Total:-</b>			<b>3.37</b>

**54. Kanther-Koira Mn. Mines of M/s Rungta Mines (P) Ltd.(73.653 Ha.) - Sundargarh District/Bonai Forest Division**

SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	ANR in low scrub hillocks near Sargigarh wirh Barbed wire fencing	Segasahi	0.17
2	Unforseen & contingencies	Koira	0.50
<b>Total:-</b>			<b>0.67</b>

<b>55. Nadidihi Iron &amp; Mn. Mines, M/s BICo, Ltd (73.855 Ha.) - Sundargarh District/Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
1	ANR for resstroation of habitat over 30 ha @ Rs. 21,325 + fencing Rs.13,000/- = Rs.34,325/- per ha	Koira	0.25
2	Enrichment Plantation in Karo-Karampada Corridor 25 ha @ Rs25,000/- per ha	Karo-Karampada	0.70
3	Tracker for anti-depredation squad 5 nos @ Rs.5,000/- P.M	Koira	5.15
4	Fire line 4 km % maintenance @ Rs.15,000/- per km and Rs.5,000/- per km	Koira	0.20
5	incentive to VSS 5 nos. for fire protection @ Rs20,000/- each	Koira	1.00
6	Awareness promotion	Koira	0.50
7	Monitoring and evaluation	Koira	0.50
8	Unforeseen & miscellaneous	Koira	0.50
<b>Total:-</b>			<b>8.80</b>

<b>56. Teherei Mn. Mines M/s BICo. Ltd. (137.46 ha.) - Sundargarh District/Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
1	ANR Hillock near Sargigarh (4th year)	Segasahi	0.43
2	Fire line creation and maintenance / incentive to VSS/Fire watcher	Koira	0.17
3	Seeding of grees in black and scrub/open forest	Koira	1.00
4	Incentive to VSS	Koira	0.50
6	Biodiversity monitoring & development fo communication network	Koira	1.00
7	Awareness promotion	Koira	0.30
9	Unforeseen & miscellaneous	Koira	0.25
<b>Total:-</b>			<b>3.65</b>

<b>57. Koira Iron Ore Mine, Essel Mining - Sundargarh District/ Bonai Forest Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
1	Enrichment plantation 30 ha. With cleaning @ Rs.0.40 lakh/ha.	Koira	2.18
2	Grass land development 20ha. @Rs.0.30 lakh/ha. With weeding over 2 year	Koira	2.00
3	Game tank creation and maintenance (6.00+2.00)	Koira	0.00
4	Salt lick (5) @ Rs.0.05 lakh each/year	Koira	0.50
5	Contour trenches 3 x 0.5 x0.5m on rapidly eroding slopes with swing on bunds	Koira	0.00
6	Fire watcher (3) @ 0.40each/mont for 5 months (Rs.0.60/lakh/year) x 10 year	Koira	0.86
7	Fire line 10 m wide over 5 Km @ Rs.20,000/ plus maintenance @ Rs.0.20 lakh/year	Koira	0.44
8	Fire lighting incentive (4 VSS) @ Rs.0.10 lakh/Year	Koira	0.40
9	Base line studies pon biodiversity during 1st year & monitoring during 4th, 7th and 10th years	Koira	2.00
10	Elephant depredation squad (1) @ Rs.2.00 lakh/year	Koira	2.06
11	Corpus fund		0.00
12	Solar street light (5) @Rs.0.20 lakhs each + maintenance	Koira	0.75
13	Barrack for housing of protection staff on mobile duty		0.00
14	Forest cover monitoring through GIS lab in CWLWs office vis-à-vis spread/extent of mines	Koira	2.00
15	Promotion of awareness	Koira	0.50
16	Unforeseen & Contingencies	Koira	1.00

<b>58. Raikela Iron Mines of M/s National Enterprises - Sundargarh District/Bonai Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Anti-Depredation Squad (10) @Rs.1.80 per year x 120 months	Barsuan	13.91
2	Fire line 10.00 Km @ 33,000/- per km & maintenance @ Rs.10,000/- per km including making of brush wood piles	Barsuan	1.00
3	Fire watcher (10) @@Rs 4,500/-x 5 months x 10 year)	Barsuan	4.29
4	Elephant Trackers (2 nos) @ Rs.6,000/-x 10 year	Barsuan	2.06
6	Safeguard along Road (Signages)	Barsuan	0.20
7	Water body (1 nos) Rs.6.00 lakhs in Khandadhar RF including maintenance	Barsuan	0.50
8	Monitoring committee	Barsuan	0.10
<b>Total:</b>			<b>22.06</b>

<b>59. Tantra Mines of M/s Korp Resource Ltd - Sundargarh District/Bonai Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Plantation & maintenace with fruit and fodder bearing species along with soil conservation measures in nallas etc.	Barsuan	2.50
2	Solar electric fencing		0.00
3	Anti-poaching/depredation squad with daily wage watchers/staff/infrastructure etc for 10 years including trackers/equipments like spot light, crackers etc.	Barsuan	2.06136
4	Protection of forest/fire including improvement in vegetation	Barsuan	0.50
5	Game tank/Salt lick		
6	Corpus Fund		
7	Awareness promotion for wildlife conservation and reduction of noise	Barsuan	0.25
8	Development of communication network/GIS based maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area/project impact area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF (WL), Odisha		
9	Monitoring & Evaluation		
10	Unforeseen expenditure	Barsuan	0.25
<b>Total:-</b>			<b>5.56</b>

<b>60. Raikela &amp; Trantra Iron Ore mining of M/s Penguin Trading Agency Ltd. - Sundargarh District/ Bonai Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Habitat improvement both in project impact area including with Fodder & fruit bearing species block plantations and ANR with gap plantations with above species, meadow development, Bamboo plantations/bamboo clumps silvicultural operations etc. soil & moisture conservation measures, wallowing grounds development, salt licks, watch towers etc.	Barsuan	0.00
2	Assisted Natural Regeneration of qualifier species @ Rs.25,000/+ stone fencing Rs.15,000/- per ha. Over 50 ha.	Barsuan	8.60

3	Salt lick (6) @ Rs.5,000/-each	Barsuan	1.00
4	Under farm Forestry 3 lakh seedlings are to be distributed in peripheral villages to augment food/fodder firewood/timber supply in the region.	Barsuan	2.86
5	<b>Fire Protection-for 10 years</b> c) Fire Watcher (3) for 5 months @ Rs.2,700/----- <b>Rs.4.00 lakhs</b> d) Fire line (10Kms) @ Rs.10,000/- per Km. + Maintenance Rs.5,000/- per Km. - Rs.5.50 lakhs or say----- <b>Rs.5 lakhs</b> e) Fire incentinve (5 villages) @ Rs.18,000/- each----- <b>Rs.9 lakh</b> <b>Rs.18.00 lakhs</b>	Barsuan	3.40
6	<b>Anti-depredation measures-10 years</b> a) Trackers (2) whole time @ Rs. 4,000/PM ----- <b>Rs.9.60 lakh</b> b) Solar light(24) @ Rs.10,000/----- <b>Rs.2.40 lakh</b> c) Elephant watch (1) @Rs.0.80 lakhs/year ----- <b>Rs.8.00 lakhs</b> <b>Total-----Rs.20.00 lakhs</b>	Barsuan	4.64
<b>Total:-</b>			<b>20.50</b>

<b>61. Oraghat Iron Mine of M/s Rungta Sons (P) Ltd. - Sundargarh District/Bonai Forest Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Assisted natural regeneration for restoration of Habitat	Koira	5.38
2	Water Retention Dam-1	Koira	12.00
3	Salt lick 10 nos	Koira	2.00
4	Fireline creation and maintenance/ incentive to VSS/fire watcher	Koira	5.00
5	Community managed solar power fencing over 6 kms	Koira	12.00
6	Van Sahayak-2nos	Koira	2.16
7	Awareness promotion	Koira	0.50
8	Monitoring & Evaluation	Koira	2.00
9	Unforeseen expenditure	Koira	0.30
<b>Total:-</b>			<b>41.34</b>

<b>62. Gomardihi Dolomite Quarry of Tata Steel Ltd. - Sundargarh District/Rourkela Division</b>			
Sl. No.	Component	Location	Total amount (Rs. In lakh)
	(P.O. /1st yr./2nd Yr. etc. Mentioned)		
1	Artificial regeneration over 50 ha ANR with gap plantation @ Rs.22,200/- ha.	Gudiali RF	3.80
2	Maintainance of Reserved Forest Boundary 36kms @ Rs.4,500/km		0.00
3	Creation of two water bodies in the treatment area @ Rs.10 lakhs each.		0.00
4	Deployment of Fire Watchers 6 nos.	Division	2.58
5	Fire Fighting equipments		0.00
6	Clearing of 20kms fire line @ Rs.4000/- km.		0.80
7	Provision of Corpus fund		10.00
8	Creation of awareness		1.00
11	Anti-poaching-cum-Anti-depredation squads 10 persons (Rs.5000/- x 5 nos x 12 months x 10 yrs)	Division	10.31
12	Logistic Support	Division	5.00
13	Collection of Intelligence to curb Wildlife offences	Division	0.75
14	Monitoring & evaluation	Division	1.00

15	Provision of POL and contingencies	Division	5.00
<b>Total:-</b>			<b>40.24</b>

<b>63. Rourkela to Raigarh400KV DC transmission line by PGCIL Ltd. - Sundargarh District/ Rourkela Division</b>			
<b>Sl. No.</b>	<b>Component (P.O. /1st yr./2nd Yr. etc. Mentioned)</b>	<b>Location</b>	<b>Total amount (Rs. In lakh)</b>
1	Anti-depredation squads	Division	10.31
2	Solar powered fencing -	Division- (18.35Km.)	10.00
3	Fire watchers	Division	2.15
4	Fire control equipments	Division	0.75
5	Salt-lick	Division	0.40
6	Awareness promotion		0.50
7	ANR	Datni RF	3.81
8	SMC	Division	
9	Radio telemetry studies elephant - movement and habitat utilization in pattern with monitoring provision	Division	5.00
10	Provision for hardware	Division	2.00
11	Provision for wildlife treatment equipment	Division	1.60
12	Capacity building of forest staff		0.00
13	Solar street light		0.00
<b>Total:</b>			<b>36.51</b>

<b>64. Biramitrapur to Barkote NH-23 - Sundargarh District/ Rourkela Division</b>			
<b>Sl. No.</b>	<b>Component (P.O. /1st yr./2nd Yr. etc. Mentioned)</b>	<b>Location</b>	<b>Total amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Improvement of Forest area on Silvicultural Operatio, Cliber cutting in kukia RF (100 hax 5 x 280)		9.46
2	Creation of large water bodies 2 Nos.		0.00
3	Engagement of Motivator, Creation of awareness		0.45
4	Elephant driving equipments, supply of crackers, search light		0.40
5	Creation of awareness through various activities (display signboard)		0.40
6	Wages of fire watcher-2Nos. For 5 months, 2years		3.50
7	Fire fighting equipments		2.00
8	Incentive to Forest Fringe Village		0.20
9	Fire line tracing		0.50
10	Creation of bird nest and bird bath along road side		21.68
11	Creation of bird nest and bird bath in Forest area		7.75
12	Intelligence collection		0.20
13	Monitoring Evaluation		0.30
<b>Total:-</b>			<b>46.84</b>

<b>65. Rimuli to Rajamunda NH - Sundargarh District/Rourkela Division</b>			
<b>Sl. No.</b>	<b>Component (P.O. /1st yr./2nd Yr. etc. Mentioned)</b>	<b>Location</b>	<b>Total amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Creation & maint. of waterbdies	Jharbeda RF	3.30



2	Weed eradication	Thelakudar RF	2.77
3	Pltn. of fruit bearing trees-2500 plants	Banki Range	1.00
4	Procurement of camera	Division	2.00
5	Provision of camping	Division	3.00
<b>Total:-</b>			<b>12.07</b>

<b>66. State Highway Sambalpur to Rourkela - Sundargarh District/ Rourkela Division</b>			
<b>Sl. No.</b>	<b>Component (P.O. /1st yr./2nd Yr. etc. Mentioned)</b>	<b>Location</b>	<b>Total amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Preparation and fixing of 100 nos of artificial nests@500		0.50
2	Creation and maint. of water hole		0.40
3	Provision of animal confinement cages		0.50
<b>Total:</b>			<b>1.40</b>

<b>67. Gopalpur -Jharsuguda Rail Line Project of SE Railway - Sundargarh District/ Sundargarh Division</b>			
<b>SL.No.</b>	<b>Component (P.O/1st Yr./2nd Yr. Main etc. to be mentioned)</b>	<b>Locations</b>	<b>Total Amount (Rs.in lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	ANR Pltn. 17-18	Gopalpur-100 Hemgir-50 (4th year maint.)	1.36
2	ANR Pltn 16-17	Hemgir Garjanpahad RF (5th year Maint.)	0.45
3	Wages for fire watcher	Gopalpur Range	1.29
4	Incentive to forest fringe villages	Gopalpur Range	0.20
5	Fire line tracing	Gopalpur Range (10 Rkm)	0.29
6	Wages of Anti-Poaching Squad	Gopalpur Range	5.15
7	Provision of hired vehicle	Gopalpur Range	3.12
8	Logistics such as fuel, Search light, weapons, Campgning materials	Gopalpur Range	0.50
<b>Total:-</b>			<b>12.37</b>

<b>68. Rourkela-Raigarh 400 KV D/C Transmission line by PGCI Ltd. - Sundargarh District/ Sundargarh Division</b>			
<b>SL.No.</b>	<b>Component (P.O/1st Yr./2nd Yr. Main etc. to be mentioned)</b>	<b>Locations</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Anti-Depredation Squad	Sundargarh/ Ujalpur/ Bargaon Range	19.03
2	Solar power fencing	Bargaon Range- (2 Km.)	6.75
3	Fire watcher	Ujalpur Range	2.15
4	Fire Control Equipment	Sundargarh/ Ujalpur/ Bargaon Range	1.50
5	Salt licks	Sundargarh/ Ujalpur/ Bargaon Range	1.00
6	Awareness Promotion	Sundargarh/ Ujalpur/ Bargaon Range	1.50
7	ANR -Plantation	Hemgir Range (50 ha.)	3.80

8	Contingency	Sundargarh/ Ujalpur/ Bargaon Range	0.11
<b>Total:-</b>			<b>35.84</b>

<b>69. Langiberna Lime Stone &amp; Dolomite OCL Ltd. - Sundargarh District/Sundargarh Division</b>			
SL.No.	Component	Locations	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main etc. to be mentioned)		
1	2	3	4
1	Enrichment plantation (AR) 10 ha. Jhandapahar and Mandira RF with vegetative fencing @Rs.62,860/- per ha.		0.00
2	Avenue plantation 3.0 KM (6 RKM) from Ranchi Road Chhak to Lanjiberna @ Rs.78,232/- per RKM		0.00
3	Bamboo plantation 5 ha. in beneficiary land of 8 villages @Rs.21.390/- per ha.		0.36
4	Farm forestry 0.50 lakh seedlings @ Rs.7.73/ per seedling		0.64
5	Fire line 2 km and maintenance @Rs.25,000/- per Km.		0.25
6	Protection & fire prevention incentive to 10 villages @Rs.5,000/- per year		0.25
<b>Total:-</b>			<b>1.50</b>

<b>70. Rehabilitation &amp; Upgradation of Tileibani- Sambalpur Section of NH-6 - Deogarh District/Deogarh Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main etc to be mentioned)		
1	2	3	4
1	<b>P.O. For 2018-19:</b> planting of fruit and fodder species	Pradhanpat-5ha, Rambhadevi-5ha	1.20
2	Fencing around plantation		0.25
3	Improvement of waterhole	throughout Division	0.80
4	Deployment of antidepredation squad (year round)		9.05
5	Monkey/bear management unit (8month/yr)		5.10
6	modern fire fighting equipment		6.00
7	cattle immunization programme		0.60
8	public awareness programme		0.30
<b>Total:-</b>			<b>23.30</b>

<b>71. Rehabilitation &amp; Upgradation of Bhojpur Chhatabar Section - Deogarh District/Deogarh Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	<b>P.O. For 2017-18:</b> Silvipasture	Pravasuni RF-10ha Kansar Rf-10 ha	5.03
2	Development of medow/grassland	Distributed in the Division as per availability of space	1.50
3	Instillation of watchtower	Pradhanpat RF	11.00
4	Construction and mentenance of underpass	Pradhanpat RF	2.00

5	Saltlick		0.20
6	Fixing artificial Nest		2.00
7	Awareness camp		0.20
8	Combating Monkey menace		0.20
9	Creation of WHS	Rambhadevi RF	4.00
<b>Total:-</b>			<b>26.13</b>

<b>72. Rehabilitation &amp; Upgradation of Binjabahal-Tileibani Section of NH-6 - Deogarh District/ Deogarh Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	ANR gap planting @200 plant/ha	distributed over entire Division	46.44
2	creation of a GIS cell in Division office including salary of DEO		3.00
3	Waterbody/Game tank	malyagiri RF	4.00
4	Desiltation of existing watrebody		6.00
5	Gully plugging	Badtaila RF-120ha	7.17
		pravasuni-80ha	4.78
6	Small checkdam 2 mtr span		1.42
7	Small checkdam 3 mtr span		1.13
8	VHF network	Deogarh,Barkote ,pallahara	2.00
9	Purchase of LED long range rechargable torchlight		2.25
10	Antidepredation squad		17.44
11	Deployment of Fire watcher for five month	Deogarh,Barkote ,pallahara	8.69
12	Firefighting squad with hired vehicle	Deogarh,Barkote ,pallahara	7.89
13	purchase of POL for blower		1.65
14	Training of VSS members		0.60
15	Solar LED light		2.00
16	Solar LED Street light		1.00
17	Watch tower	pravasuni RF	20.00
18	Awareness camp		0.80
19	Monitoring and evaluation and preaparation of GIS based map		0.50
<b>Total:-</b>			<b>138.76</b>

<b>73. Gopalpur Jharsuguda Railine Porject by S.E Rly. - Jharsuguda District/Jharsuguda Division</b>			
<b>SL. No.</b>	<b>Component</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Wildlife Protection (a) Wages of Anti-poaching-cum-Anti-depredation squad, 5 persons.	Jharsuguda Range	5.16
2	(b) Logistics such as Fuel, Search Lights, Weapons ans Camping materials etc.	Division office	1.00
3	Water holes for Bird bath	Jharsuguda Range	0.20
4	Monitoring and elephant tracking	Brajrajnagar/ Belpahar	13.15
5	Anti depredation equipment		0.00
<b>Total</b>			<b>19.51</b>

<b>74. Rourkela to Raigarh 400 KV D/C transmission line by PGCIL - Jharsuguda District/Jharsuguda Division</b>				
<b>SL. No.</b>	<b>Component</b>		<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>			
<b>1</b>	<b>2</b>		<b>3</b>	<b>4</b>
1	(a) Anti-depredation squads 3 nos. (one each in Sundergarh/Rourkela/Jharsuguda Division) each squad having 10 nos. of local youth will be engaged @ Rs.4500/- per month for 10 years (Rs.54 lakhs per Division x 3)		Belpahar/ Brajrajnagar	13.13
	(b) One hired vehicle (Scorpio) with POL etc to be supplied by PGCIL to Jharsuguda Division @ Rs.40,000/- per month x 120 months		Divn.Office	4.80
2	Corpus fund (Rourkela-10 Sundergarh-10, Jharsuguda-10 lakhs)		Divn.Office	1.94
3	<b>Solar powered fencing</b> around crop fields in badly affected villages 10 km in each Division @ Rs. 3.00 lakh/km + Rs.10,000/-for maintenance for nine years x 3 Division		Belpahar	3.00
4	<b>(a) Fire Watchers</b> (Sundergarh-5), Rourkela-5, Jharsuguda-5 nos. for 5 months @ Rs.4,500/- each		Belpahar	2.15
	<b>(b) Fire control equipments</b> Rs.5.00 lakh per Division (5.00 lakhs x 3 Division)		Belpahar/ Brajrajnagar	0.50
5	Water Harvesting Structure @ Rs. 10.00 lakh per WHS, one in each Division			0.00
6	<b>Salt-licks</b> 10 nos. @Rs.50,000/- each (Sundergarh-4 , Rourkela-4 and Jharsuguda-2 nos.)		Belpahar	0.50
7	<b>Awareness promotion</b>		Belpahar/ Brajrajnagar	1.00
12	Contingencies & unforeseen			0.40
<b>Total</b>				<b>27.42</b>

<b>75. Samaleswari Coal Project of MC - Jharsuguda District/ Jharsuguda Division</b>				
<b>SL. No.</b>	<b>Component</b>		<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
	<b>(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)</b>			
<b>1</b>	<b>2</b>		<b>3</b>	<b>4</b>
1	Habitat improvement by developing grass lands, plantation o fruit bearing and fodder species in the gaps and barren areas of the suitable govt. and private lands @Rs.65,000/- per ha. covering 100ha. + 10 ha. meadow @Rs.15,000/- per ha. (maintenance for 7 years)		Brajrajnagar	8.87
2	<b>Soil and moisture conservaation</b> measures, check dams on the nallahs, water ways, rivulets etc.		Brajrajnagar	1.00
3	( c) Crop manipulation and introduction of derpedation resistant species of crops for 10 years.		Brajrajnagar	1.00
4	Income generation activities (eco-development in the villages)		Brajrajnagar	2.00
5	<b>Farm forestry and distribution of seedlings</b> to villagers Rs.1 lakh per year for 10 years.		Brajrajnagar	1.00
6	<b>Awareness promotion</b> Rs.1 lakh per year for 10 years		Brajrajnagar	1.00
7	<b>Monitoring</b> of water, dust and noise pollution fo a special team under trhe supervision fo DFO in consultatio with Pollution Control Board-1 lakhs per years.		Brajrajnagar	1.00
8	<b>GIS based maps</b> and posting of pillars around project area Satellite maps on GIS domain should be procured from ORSAC every year to know the chaning profile of the project area in both dry season and wet season-1 lakh per year for 10 years. + assessment of wildlife status in the area every year.		Brajrajnagar	2.00
9	Fast moving vehicles for monitoring patrolling including POL for 10 years.		Brajrajnagar	1.50
10	Fire prevention measures-1 lakh per year		Brajrajnagar	1.00
11	Incentives to informants and intelligence collection.		Brajrajnagar	0.00
12	Garbage disposal		Division Office	0.50
13	Pollution study and analysis (Water, air & noise) under supervision of DFO and guidance by the Pollution Control Board, Bhubaneswar		Brajrajnagar	1.00
14	Delineation of corridor and provision fo signage and hoardings, Reforestaton & relocation of corridors.		Brajrajnagar	0.50
15	Infrastructure for interpretation/aids equipments, drinking water facility, purchase of spotlights in crackers, maintenance un-foreseen expenditruue etc. for		Brajrajnagar	1.00

	interpretation & depredation control.		
16	<b>Training workshop of villagers</b> and leading youth of locality on wildlife menaces and their management with incentive schemes against activities damaging the habitat such as grazing and fire. It is proposed to award adjoining VSS/EDC through incentive for protecting the forest and conservation the wildlife from grazing and fire @Rs.10,000/- per year (for 10 years -3camps/year + (For training workshop)	Brajrajnagar	0.50
17	Cost of seeds/ horticultural plants to encourage surrounding villages to drive the pattern of cropping to reduce elephant menace.	Brajrajnagar	0.50
18	Miscellaneous	Brajrajnagar	0.20
19	Unforeseen expenditure	Division Office	1.00
<b>Total:-</b>			<b>25.57</b>

<b>76. Chhuinpali Quartzite mine by TATA Refractory - Jharsuguda District/Jharsuguda Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	2	3	4
1	Habitat Improvement and enrichment Plantation over 50 ha. @ 30,000/- per ha.		0.67
2	Fire watchers-2 Nos. (3000 x 2 x 5 x 10 years)		0.00
3	Incentive for fire prevention		0.00
4	<b>Anti-poaching squad</b> (3000 x 4 x 12 x 10 yr)		0.00
5	Intelligence collection		0.00
6	Hire charges of Boat for patrolling in surrounding Reservoir area		1.50
7	General provision for equipments, vehicle, mobility, other logistics etc.		1.00
8	Unforeseen		0.61
<b>Total:-</b>			<b>3.78</b>

<b>77. Aluminium Smelter Plan by Aditya Aluminium - Samablpur District/Sambalpur Division</b>			
SI No	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. Etc to be mentioned)		
1	Development of fragmented patch of forest to connect different forest blocks through assisted natural regeneration (ANR) practices and plantation of fruit/fodder/palatable species at the rate of 1000 plant per ha. To lure the elephants, @50,990.00 ha. For 275 ha. In the forest corridor (Annexure-1). <b>(200 Ha)</b>	Jhargati-Garpati RF & Tangarpah VF	5.59
8	Biodiversity monitoring & Development of communication network/GIS based maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF(WL), Odisha.		2.00
10	Measure to improve Green cover in the Corridor peripheral areas with farm forestry, health camps for local people in project impact area of 10kms radius and their improvement in the areas with <b>Awariness promotion</b> , meetings/seminars with <b>equipments</b> of multimedia, engagement of <b>motivators, singnages about</b> wild animal presence, training on alternate livelihood activities and supply of kits/machines etc. to local villagers on <b>corridor</b> periphery		5.00
11	<b>Fire prevention measures</b> with firelines creation/maintainance, fire fighting equipments, incentives to VSS, fire watchers, squads etc.	Rengah	4.00
12	Unforseen expenditure		1.00
<b>Total:-</b>			<b>17.59</b>

<b>78. Talabira I OCP - Sambalpur District/ Samabalpur Division</b>			
SI	Component	Location	Total Amount

No	(P.O/1st Yr./2nd Yr. Main. Etc to be mentioned)	(Rs. in lakh)
1	<b>Inside Leasehold area</b> Plantation with fodder, bamboo, fruit bearing species including watch and ward	0.00
2	Salt lick with maintenance	0.00
3	Forest Protection (Van Sahayak)	1.20
4	Moisture Conservation and WHS along the existing Nallah water channel	0.00
5	Solar Fencing to avoid straining of wild animals into mining area	3.00
6	Public Awareness about mining and wildlife	0.30
7	Watch & Ward for fire prevention	0.86
8	Weed Control	0.00
9	<b>Outside Leasehold area (Buffer Zone)</b> (a) Game Tank for 2 years	6.00
10	(b) Salt lick for 2 years	0.00
11	Plantation for 100 ha. (Food & Coverage)	5.70
12	Seeding of Grass-100 ha. (for 2 years)	1.50
13	Van Sahayak-2 Nos	2.06
14	Moisture Conservation (Contour trench and Check dam)	2.00
15	Public Awareness and Capacity Building	0.40
16	Fire prevention (5 watchers) for 5 months and Incentive to VSS (for 2 years)	2.15
17	Watch Tower	0.00
18	Anti depredation Squad	2.06
19	Corpus Fund	1.00
20	Livelihood Improvement and Microcredit to VSS/SHG	2.00
30	Pollution control and monitoring mechanism to be developed in consultation with State Pollution Control Board.	1.00
31	Unforeseen & miscellaneous.	0.30
<b>Total:-</b>		<b>31.53</b>

<b>79. 4 Laning of Angul-Sambalpur Section (NH-42) - Sambalpur District/Sambalpur Division</b>			
SI No	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. Etc to be mentioned)		
1	2	3	4
1	Planting of food and fodder species (ANR) with 600 plants/per ha.		2.00
2	Creation of Water Body (WHS)		5.00
3	Construction of Water Hole		0.00
4	Guarding against unguarded wells		0.00
5	Solar Fencing		0.00
6	Construction of Barrack		0.00
7	Deployment of Anti depredation squad		14.10
8	Creation of Public Awareness		0.15
9	Incentives to VSS		0.20
10	Publication and Distribution of IEC materials		0.20
17	Sinking of Tree well		1.50
18	<b>20% Cost escalation</b>		<b>4.49</b>
<b>Total:-</b>			<b>27.64</b>

<b>80. 4 Laning of Tilebani-Sambalpur Section (NH 06) - Sambalpur District/Sambalpur Division</b>			
SI No	Component	Location	Total Amount (Rs. in lakh)
	(P.O/1st Yr./2nd Yr. Main. Etc to be mentioned)		
1	2	3	4
2	Deployment of Anti depredation squad		12.07
5	Plantation on both sides of AUP		5.00
<b>Total:-</b>			<b>17.07</b>

<b>81. Talarira II &amp; III (OCP) of M/s NLC India Ltd. - Sambalpur District/Sambalpur Division</b>			
SI	Component	Location	Total Amount

No	(P.O/1st Yr./2nd Yr. Main. Etc to be mentioned)		( Rs.in lakh)
1	2	3	4
1	Enrichment of Habitat. ANR with Gap plantation @200 plants	Moulabhanja RF	12.12
2	Creation of water Harvesting Structure	Jharghati-Garpati RF	11.20
3	Soil & Moisture Conservation	Moulabhanja RF, Jharghati-Garpati RF	7.00
4	Avenue Plantation over 24 RKM		15.74
5	Fire line maintainance	Moulabhanja RF	0.42
6	Providing Blowers		3.00
7	Maintenance of Blower		0.50
8	Fire Watcher		0.80
9	Protection against Ungarded well		3.00
10	Nest. (With bamboo)		0.16
11	Placing of Roosting poles.		0.60
12	Fixing of Roosting Wires		0.15
13	Cylindrical Wire mess with Bamboo stand		0.10
14	Development of Birds Habitat	From Bhogara Dunguri to Mines Fringe	2.62
15	Deployment of anti Depredation Squad		17.94
16	Construction of a Staff Barrack with logistic support		20.00
17	Construction of a Watch Tower	Moulabhanja RF	20.00
18	Animal Rescue Kit		3.00
19	Incentive to VSS		0.50
20	Awareness Camps		0.20
21	Printing & distribution of IEC materials		0.30
<b>Total:-</b>			<b>119.35</b>

<b>82. Rehabilitation and Up-gradation to 4-Laning of Angul- Sambalpur Section (KM112-to 265) NH 42 (Now NH-55) - Sambalpur District/Rairakhol Division</b>			
Sl.No.	Components	Location	Total Amount (Rs.in lakh)
	(P.O/1st Year/2nd Year/Main. Etc to be mentioned)		
1	Fruit & Fodder Plantation (2nd year maintenance.)		5.12
2	Creation of WHS		20.00
3	Elephant proof Trench		42.00
4	Fire Line creation		3.34
5	Guarding of Unguarded Wells		7.5
6	Construction of Barrack		0.00
7	Deployment of Fire fighting squad		12.00
8	Anti depredation squad		38.06
9	Birds Nest		9.33
17	Public Awareness		0.30
<b>Total:-</b>			<b>137.65</b>

<b>83. Aluminium Smelter Plant &amp; Captive Plant by M/s Aditya Aluminium - Sambalpur District/ Bamra WL Division</b>			
SL. No.	Component	Location	Total Amount (Rs. In lakh)
	(P.O/1st Yr./2nd Yr. Main. etc to be mentioned)		
1	Development of fragmented patch of forest to connect different forest blocks through assisted natural regeneration (ANR) practices and plantation of fruit/fodder/palatable species at the rate of 1000 plant per ha. To lure the elephants, @50,990.00 ha. For 275 ha. In the forest corridor (Annexure-1). (75 Ha.)		7.70

	<b>Creation of 7 nos. of water holes/water harvesting structure (WHS)</b> by erecting strong dams on seven nso of streams on the proposed corridor (about 22 km) for the elephants (Annexure-II)/with spillways and wallowing grounds created down stream of spillway with slushy & muddy patch created as a wallowing ground for wild animals to wallow & gambol.		0.00
	<b>Soil and moisture conservation</b> measures by creating 125 nos. of check dams on the Nallas along the proposed corridor (Annexure-III) with provision of developing wallowing grounds where ever possible for wild animals in down stream moist areas.		0.00
	<b>Creation of 7 Nos. of artificial salt licks</b> and including maintenance for five years by the side of 7 nos. of WHS constructed along the corridor for the elephant (Annexure-IV)		0.00
	Development of grass lands/pastures if necessary with rotational opening with solar electric fencing and planting with grassess as suggested above over all suitable patches both by seeding, <b>meadow development</b> , uprooting of weeds and maintaining meadows for 10 years on sustained basis.		0.00
	Maintenance of corridor by <b>training VSS members</b> including incentives, <b>remuneration of trackers</b> , remuneration of communicatin squad. Cost of two <b>vehicles, wages of drivers</b> , maintenance of vehicle, awareness camps, publicity, and <b>corpus funds etc</b> , to curb depredation probles , (Annexure-VI), Crime cell, intelligence collection, incentives to informers etc. <b>(Except item No. 5,6,7,8 &amp; 9 of Annexure-VI)</b>		1.37
	Excavation of staggered trenches inside ANR plantation over 275 ha. as a measure fo soil & moisture conservation (Annexure-VII) <b>(75 Ha.)</b>		1.36
	Biodiversity monitoring & Development of communication network/GIS based maps Satellite maps on GIS domain should be procured every year to know the changing profile of the project area in both dry season and wet season for 10 years preferably using the GIS lab of PCCF(WL), Odisha.		0.00
	Cost of Barriers to be created like stone wall <b>fencing/solar electric fencing/trenches</b> with or without lining etc. all along the corridor fo 30-35 kms length on both sides (As the entire adjoining patches or very near to highly industrialised areas fo the Sambalpur/Jharsuguda districts) at vulnerable points to avoid straying of elephants in to the habitations especially in areas adjoining to the densely populated/industrialised areas.		4.00
	Measure to improve Green cover in the Corridor peripheral areas with farm forestry, health camps for local people in project impact area of 10kms radius and their improvement in the areas with <b>Awarness promotion</b> , meetings/seminars with <b>equipments</b> of multimedia, engagement of <b>motivators, singnages ahout</b> wild animal presence, training on alternate livelihood activities and supply of kits/machines etc. to local villagers on <b>corridor</b> periphery		1.00
	Unforseen expenditure		0.52
	<b>Total:-</b>		<b>15.95</b>



## Part-III

### Annexure III-I

#### Site-wise details of Block Plantation

Block Plantation @ 1600/palnt/Ha (creation). Rs.86336/Ha. as per wage rate Rs.298/- per day

SI No.	Name o f Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Dhenkanal	Kandhara RF	20	N-20-39-03.6	E-85-10-56.3
		<b>Total-</b>	<b>20</b>		
		<b>Circle Total-</b>	<b>20</b>		
<b>Bhubaneswar Circle</b>					
1	Khurda	Bhusandpur DPF	25	19-56-53.55	85-26-59.32
		Chakadapathara DPF	25	19-52-32.0	85-16-03.0
		Solari DPF	25	19-49-56.9	85-13-40.4
		Duburi DPF	25	20-9-39.7	85-17-14.9
		<b>Total-</b>	<b>100</b>		
2	Nayagarh	Kaliamba RL	20	N - 20 06 15.70	E - 84 54 42.60
		<b>Total-</b>	<b>20</b>		
3	Puri WL	Restoration of FANI ravaged area in Balukhanda-Konark Sanctuary in Balukhanda RF	60	N19° 50' 56.0"	E 85° 54' 12.0"
		<b>Total-</b>	<b>60</b>		
4	Chilika WL	Jhinkaria DPF	10	N-19027'14.60"	E-85006'05.67"
		<b>Total-</b>	<b>10</b>		
5	Bhadrak WL	Deula	3	20.968382	86.593898
		Khadalpokhari	6	20.552743	86.49419
		Bodak Sasan	6	20.934302	86.574733
		Bandarisahi	3	20.988284	86.627279
		Chunida	3	20.986400	86.479410
		Kalei	1	21.00196	86.481010
		Kodabaruan	1	21.104940	86.552810
		Kanjiapala	2	20.881720	86.413300
		Rajendrapur	2	21.002925	86.331370
		<b>Total-</b>	<b>27</b>		
		<b>Circle Total-</b>	<b>217</b>		
<b>Berhampur Circle</b>					
1	Baliguda	Sambeda	15	N-19-56-53.1	E-83-34-52.6
		Dhudusi	10	N-19-52-51.7	E-83-34-53.30
		Padelipadar	10	N-19-50-28.0	E-83-45-12.0
		Srirampur	5	N-19-42-56.8	E-83-53-59.2
		Bearmaha	5	N-19-425-25.7	E-83-53-33.9
		Tikarigaon	5	N-19-45-57.8	E-83-52-43.1
		<b>Total-</b>	<b>50</b>		
2	Boudh	Thatipali VF	15	N 20 43 50.2	E 83 58 42.6
		Kalarajhuli VF	8	N 2047 57.62	E 83 53 11.79
		<b>Total-</b>	<b>23</b>		

3	Gh. South	Kanakapali, Badua PRF, Aska Range	5	N 19 40 19.9	E 84 37 05.0
		Panchubhuti ' A' RF, Buguda Range	5	N 19 57 42.3	E 84 51 45.6
		Nadiamba, Bhaliamala in Pandiripada RL, Polasara Range	5	N 19 47 17.1	E 84 55 35.5
		Ora , Badagada ' B' UDPF, Badagada Range	5	N 19 41 25	E 84 28 02
		<b>Total-</b>	<b>20</b>		
4	Berhampur	Pipilapadara	10	N 19 18 44.1	E 84 32 84.0
		<b>Total-</b>	<b>10</b>		
		<b>Circle Total-</b>	<b>103</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Khutgaon KF	20	N 22 11 04.0	E 84 01 05.0
		<b>Total-</b>	<b>20</b>		
2	Rourkela	Bhainsamunda RF	10	N22 02 38.7	E84 45 42.1
		Badpurnapani	10	N21 51 56.2	E84 54 27.3
		Dudi	10	N22 09 48.5	E84 36 08.7
		Gangore RF	10	N22 24 50.9	E85 03 12.6
		<b>Total-</b>	<b>40</b>		
		<b>Circle Total-</b>	<b>60</b>		
<b>Baripada Circle</b>					
1	Baripada	Singimara VF	40	N21 57 53.4	E86 56 17.3
		<b>Total-</b>	<b>40</b>		
2	Balasore WL	Begunia	10	21.3351	86.482088
		Uparadiha	20	21.3337	86.4036
		<b>Total-</b>	<b>30</b>		
		<b>Circle Total-</b>	<b>70</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Karlapada	20	N20 05 20.9	E83 06 28.5
		Rangapadar	55	N20 05 59.9	E83 38 45.3
		Turlakhaman	20	N20 16 16.8	E83 19 59.4
		Goindimunda	20	N20 00 24.1	E82 49 10.1
		Dudkel	10	N20 03 29.1	E82 49 33.6
		<b>Total-</b>	<b>125</b>		
2	Kalahandi South	Teliguda	50	N 19 35 43.4	E082 36 11.3
		<b>Total-</b>	<b>50</b>		
3	Subarnapur	Ranijhula	20	N20 38 46.00	E83 38 29.00
		Bisalpali	15	N20 00 13.39	E84 06 15.74
		Gadgadbahal	10	N20 58 02.21	E83 45 44.46
		Kaudiamunda	30	N20 59 18.03	E83 43 58.08
		<b>Total-</b>	<b>75</b>		
4	Bolangir	Maharapadar	20	N20 48 58.5	E82 52 54.0
		Debriamunda	20	N20 35 51.21	E82 45 35.72
		Jamchuan	10	N20 41 04.23	E82 46 28.75
		Tentulikhunti	20	N20 21 02.5	E83 06 55.2
		Desil	10	N20 21 16.0	E83 04 13.9
		<b>Total-</b>	<b>80</b>		
5	Khariar	Gujki PRF-Tikhali	10	20.381846	82.661913
		Palsipani	10	20.409029	82.696468

		Koilakhala-Dongargaon	10	20 05 50.0	82 26 21.5
		Adipita-Malpada	10	20 08 55.2	82 30 53.6
		<b>Total-</b>	<b>40</b>		
		<b>Circle Total-</b>	<b>370</b>		
<b>Koraput Circle</b>					
1	Koraput	Musaput	30	N18.90929	E82.69318
		Kerenga	20	N18.75745	E82.979219
		Tikiriguda	40	N 18.918753	E 82.902282
		Bhitarpoda	20	N18.77265	E 83.09517
		Bijaghata	15	N 18.807652	E 83.033957
		Lundrukona	15	B19.10493	E 83.30960
		Suniwalasa	20	N18.492200	E82.752400
		Redhaput	30	N18.474900	E82.923900
		Podei	20	N18.397227	E82.636145
		Podeising	20	N18.32908	E82.682607
		Cheptamata	10	N18.38763	E82.78525
		Bada Petta	25	N18.741898	E82.567697
		Gonthiguda	25	N18.53489	E82.40228
		<b>Total-</b>	<b>290</b>		
2	Jeypore	Andori	20	18.69157	82.51020
		Chilimal	20	18.66554	82.33470
		Sandhaguda	15	19.00361	82.68972
		Pondasguda	10	19.12389	82.76528
		Kermi	10	19.0016	82.6888
		<b>Total-</b>	<b>75</b>		
3	Nabarangpur	Betajharan RF	50	N19.40967	E82.51817
		Photakote RL	10	N19.33228	E82.55737
		Kochegam (Singisari RF)	30	N19.516750	E82.183917
		Badagam (Podagad RF)	30	N19.545361	E82.082250
		Dangariguda (Beheda RL)	20	N19.792417	E82.239139
		Godegam PRF	20	N19.42868	E82.33988
		Koilari RF	20	N19.51243	E82.35539
		Chepitiamba (Deobandh PRF)	10	N19 33 31.9	E82.29.45.6
		Tangini (Deobandh PRF)	10	N19 36 49.3	E82.27.25.3
		<b>Total-</b>	<b>200</b>		
4	Malkangiri	Kamarguda	10	N18.112853	E82.119780
		Khalpadar	5	N18.126513	E82.126241
		Hataguda	10	N18.0555	E82.1315
		Gotigda	20	N18.253438	E82.135721
		Chitapari	20	N18.134507	E82.073238
		Rangamguda	20	N18.161302	E82.073238
		<b>Total-</b>	<b>85</b>		
		<b>Circle Total-</b>	<b>650</b>		
		<b>GRAND Total -</b>	<b>1490</b>		

## Annexure III-II

### Site-wise details of ANR Plantation

Site wise details of ANR Plantation @ 200 Plant/Ha (creation). Rs.26962 as per wage rate Rs.298/- per day

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	Longitude
<b>Angul Circle</b>					
1	Angul	Para PRF	100	20.84475	84.82097222
		Katada RF Comptt-I	50	20.88959	84.79356
		Similipathar RF Comptt-03	50	20.945062	84.830145
		Bramhanbil RF	100	21.03829	84.95328
		Durgapur RF	50	20.937563	84.97888
		Kurudu PRF, Compt 1	50	20.74779	84.92929
		Kanheijena RF	50	21.03566667	85.11058333
		Langalkhol RF	50	21.10625	85.22872222
		Badakathia RF	50	21.03005556	85.02022222
		Biripal RF	50	21.25025	84.9445
		<b>Total-</b>	<b>600</b>		
2	Athmalik	Nuagaon RF Compt No-4&5	100	20 50 19.19	84 27 06.6
		Kutulisinga RF Compt No-4	50	20 47 03.0	84 37 42.1
		<b>Total-</b>	<b>150</b>		
3	Dhenkanal	Godabulua RF	100	N-20°34'48.37"	E-085°39'36.48"
		Kandhara RF	50	N-20.57722	E-85.26676
		Koi Rf	150	N-20-39-03.6	E-85-10-56.3
		Nischinta RF, near Chadakamara	50	N-20°47'9.6"	E-86°1'11.6"
		Jiridamali RF	100	N-20-58-22.5	E- 85-37-09.3
		Ranjagarh RF near Baradakota	200	N-21-06-42.2	E- 85-40-44.7
		Bhiarpur RF	100	N- 20° 54' 08.5"	E- 850 48' 15.2"
		Tipilei	100	N-20-56-52.1"	E-85-42-31.5"
		Balibo RF	150	N- 20° 55' 07.8"	E- 850 53' 04.2"
		<b>Total-</b>	<b>1000</b>		
4	Athgarh	Deobhuin RF, Compt. No. 5	50	N 20 30 13.10	E 85 09 85.50
		Deobhuin RF, Compt. No. 2	100	N 20 33 14.80	E 85 08 21.70
		Deobhuin RF, Compt. No. 9	50	N 20 32 42.85	E 85 10 28.80
		Deobhuin RF, Compt. No. 12	50	N 20 31 33.90	E 85 11 02.60
		Deobhuin RF, Compt. No. 16	50	N 20 34 30.10	E 85 11 46.50
		Karada RF, Compt. No. 2	50	N 20 28 05.4	E 85 22 51.4
		Belapada RF	50	N 20 24 19.3	E 85 24 33.9
		Talachandragiri RF, Compt. No. 1	50	N 20 27 56.1	E 85 14 58.2
		Haladiaseni RF, Compt. No. 4	100	N 20 29 04.9	E 85 19 53.5
		Baudabanakhandi RF	100	N 20 28 51.5	E 85 40 00.6
		Kalichaballav R.F	100	N 20 29 52.5	E 85 29 00.6
		Sorisapala RF	50	N 20 30 01.3	E 85 31 37.3
		Subasi RF	50	N 20 31 57.5	E 85 44 33.4
		Adala RF	50	N 20 33 16.2	E 85 40 11.5
Khalakhala RF	100	N 20 29 55.3	E 85 42 55.0		
		<b>Total-</b>	<b>1000</b>		
5	Cuttack	Oaujhar inside Dalijora RF	70	20 38 17.7	85 50 24.7
		Rangamatia near Dalijora RF	80	20 37 46.4	85 52 30.1

		Barimula PRF	50	20 40 08.8	86 03 10.1
		Kolha PRF	50	20 42 27.2	85 54 41.5
		Kalakala PRF	50	20 41 21.9	85 57 55.5
		Mahavinayak RF	50	20 42 25.8	86 05 40.4
		Nalida PRF	50	20 41 50.9	86 00 56.3
		Panchavaya PF	50	20 35 19.3	85 59 49.8
		Karanji PRF	50	20 39 22.4	85 54 20.7
		<b>Total</b>	<b>500</b>		
		<b>Circle Total-</b>	<b>3250</b>		
<b>Bhubaneswar Circle</b>					
1	Khurda	Mal RF C/19	50	19-57-56.9	85-13-12.7
		Bhusandpur DPF	50	19-56-36.49	85-26-37.58
		Kunjari DPF	50	19-53-23.4	85-20-11.9
		Rengal PRF	50	20-06-51.4	85-42-27.0
		Mandalsingh DPF	100	20-8-39.0	85-12-24.8
		<b>Total-</b>	<b>300</b>		
2	Nayagarh	Palva RF C/1	50	N - 20 12 10.0	E - 84 51 45.0
		Hatimunda RF C/14	50	N - 20 17 6.30	E - 85 00 13.70
		Palva RF C/7	50	N - 20 09 37.40	E - 84 55 16.72
		Ratadei RF C/2	50	N - 20 08 0.48	E - 84 50 59.69
		Ragadimada RF C/3	50	N - 20 13 35.48	E - 84 53 17.59
		Gochha RF C/8	50	N - 19 54 56.00	E - 84 59 46.00
		Gochha RF C/18	50	N - 19 56 43.00	E - 84 57 11.00
		Banijhari PRF	100	N - 19 58 7.46	E - 85 04 53.92
		Gochha RF C/14	50	N - 19 96 31.46	E - 85 128498
		Gochha RF C/10	100	N - 19 56 34.08	E - 85 02 20.59
		Malati Pahada	100	N - 20 04 09.31	E - 85 08 4.80
		Sukaramala PRF	50	N - 20 05 0.94	E - 85 12 04.98
		Matia Extn.	50	N - 20. 371951	E - 84.910997
		Naradigochha - Matia Extention	100	N - 20 39 71.39	E - 84 93 60.76
		Sikharapur RF	100	N - 20 14 15.09	E - 85 06 46.01
		<b>Total-</b>	<b>1000</b>		
3	Chilika WL	Nandighar DPF	35	N-19028'43.61"	E-85005'46.69"
		Talakhola PRF	100	N-19034'28"	E-85006'37"
		<b>Total-</b>	<b>135</b>		
4	Puri WL	Restoration of FANI ravaged area in Balukhanda-Konark Sanctuary in Liakhia PRF	50	N190 52'21.73" N190 52'20.16" N190 51'38.32" N190 51'41.37"	E 0860 01'17.44" E 0860 01'28.93" E 0860 01'21.91" E 0860 01'23.31"
		<b>Total-</b>	<b>50</b>		
5	Rajnagar WL	Jatadharatanda PRF	50	N 86°31'-30.45"	S 20°10'-46.39"
		Marichipur P.F (Nadiakhia)	30	N 20°18'-45.98"	S 86°28'-52.25"
		<b>Total-</b>	<b>80</b>		
		<b>Circle Total-</b>	<b>1565</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Gumagada RF (near Pakanagaon)	75		
		Gumagada RF( near Bhuktakanali)	50	N 20 24 48.9	N 84 15 32.8
		Gumagada RF( near Gumagada)	75		
		Dadaki RF (near Singapada)	100	N20 28 27.8	E84 09 24.0

		Mallikpada RF (near Hatimasa)	100	N20 28 07.8	E84 07 22.1
		Ganjuguda PRF( near Pradhanpada)	100		
		Kahjuripada RF (near Kunda)	100	N20 26 39.7	E84 25 49.8
		Dakpala "B"RF near Mularujangi	100		
		Ranipathar RF,( Compt-08 near Krandimaska)	75	N20 31 4.4	E84 18 28.1
		Ranipathar RF,( Compt-6 near Ranipathar)	75	N20 33 53.9	E84 22 14.5
		Donga RF (near Kakendri)	50	N20 36 30.4	E84 19 38.1
		Ragaguda PRF( near Ragaguda)	100		
		Brutanga"S"RF (near Pakhalakhia)	100	N 20 18.86 4	E 84 25.84
		Gochhapada RF (near Taragabali)	100	N 20 24 03	E 84 06 54.2
		Gochhapada RF (near Bisipadar)	100	N 20 24 51.1	E 84 11 51.1
		Bandhagada A PRF (near Taladandikia)	100	N 20 45 00.7	E 84 11 42.7
		Nuapadar RF (Near Nuapadar)	150	N 20 18 32.8	E 84 00 40.2
		Gerupada E RF( near Gerupada)	50	N 20 18 23.6	E 84 06 33.2
		Baghanadi RF (near Penapanga)	100	N 20 28 38.6	E 83 56 26.0
		Baghanadi RF( near Burungibali)	100	N 20 27 57.8	E 84 02 09.7
		Balandapada S PRF (near Kalampadar)	100	N 20 26 25.2	E 83 49 41.4
		Gochhapada RF (near Balampadar)	100	N 20 23 44.5	E 84 11 51.4
		Gutingia B RF	100	N20 13 40.6	E 84 13 01.9
		Retudi	50	N 20 07 32.1	E84 25 00.8
		Pradhanpada	50	N 20 13 48.2	E 84 23 53.8
		Sikabadi PRF (near Gudrisahi)	100	N19 59 12.1	E84 17 16.0
		Karada PRF (near Achintapur)	50	N19 56 12.5	E84 16 48.5
		Ganjuguda PRF( near Dumudupanga)	50	N20 02 25.6	E84 15 34.8
		Lendrikia RF (near Pukimaha)	100	N19 59 19.6	E84 15 20.4
		<b>Total-</b>	<b>2500</b>		
2	Baliguda	Terlemaha	75	N-19-39-21.7	E-84-06-24.1
		Mahagudi RF	75	N-19-42-41.2	E-84-02-50.0
		Katingia	50	N-19-38-26.1	E-84-13-24.7
		Sadapanga	50	N-19-57-32.2	E-84-03-46.8
		Muchhudipanga	100	N-19-45-06.9	E-84-02-22.4
		Morenj	50	N-19-57-27.8	E-83-55-3.2
		Jimarigaon	100	N-20-09-58.7	E-83-53-02.8
		Pokharibandha	50	N-20-18-27.2	E-83-43-42.5
		Padasahi	50	N-20-13-53.4	E-83-50-4.0
		Bataguda	50	N-19-51-09.0	E-83-42-22.0
		Bondaka	50	N-19-48-29.02	E-83-42-08.7
		Bondiguda	50	N-19-50-36.9	E-83-50-08.0
		Sraliguda	50	N-19-45-25.0	E-83-43-59.0
		Landabali	50	N-19-54-47.7	E-83-44-49.7

		Jarna	50	N-20-05-03.9	E-83-36-01.7
		Balki	50	N-20-04-10.1	E-83-41-40.6
		Batabadi	50	N-20-01-32.0	E-83-42-27.0
		Samisaru	50	N-19-52-53.50	E-83-34-50.10
		Bariguda	50	N-19-51-49.8	E-83-40-26.3
		Kadapana	50	N-19-55-13.1	E-83-36-56.3
		Batipada	50	N-19-58-24.7	E-83-35-40.7
		Munduti	100	N-19-56-30.6	E-83-33-55.9
		Siringia	50	N-20-09-30.9	E-84-08-53.3
		Pidiki	75	N-20-04-14.0	E-84-09-32.4
		Pirigada	25	N-20-06-09.8	E-84-05-38.6
		Kubermunda	50	N-20-10-14.8	E-83-57-55.5
		<b>Total-</b>	<b>1500</b>		
3	Boudh	Jamukhol RF Compt. No. VIII	100	N20 39 25.3	E84 14 40.4
		Nagarjuna RF Compt. No. II	100	N20 43 41.83	E84 11 25.84
		Sindurbhadi RF C/3	70	N20 43 57.5	E83 59 38.4
		Penajore RF C/2	100	N20 40 02.5	E83 54 32.1
		Mundeswar RF Comt. No. 21, 22	100	N20 33 10.59	E84 30 06.60
		Mundeswar RF Comt. No. 39	100	N20 34 29.92	E84 30 23.74
		Aragarh RF Comt. No. 5		N20 38 16.95	E84 31 32.81
		Aragarh RF Comt. No. 9	50	N20 40 48.13	E84 30 32.83
		Arakhapadar RF Comt. No.4	50	N20 33 50.40	E84 37 47.40
		Sanakalarakotha V.F.	50	N 20 35 54.9	E 83 41 30.2
		PutputigarhR.F Compt no -4, near Dumalpakhal	100	N 20 35 41.6	E 83 48 48.2
		Sulia R.F	50	N 20 41 50.4	E 83 48 44.8
		Padhel RF, Compt. No. 3	50	N 20 30 57.2	E 83 46 51.8
		Podhal RF, C/10	80	N20 24 53.1	E84 29 40.1
		<b>Total-</b>	<b>1000</b>		
4	GH. North	Darpangia RF C/9	50	N 20 02 17.3	E 84 27 38.5
		Gallery RF C/11	50	N 20 03 08.1	E 84 30 24.1
		Tiliki RF C/4	150	N 19 53 02.28	E 84 30 53.6
		Kalimaba RF C/2	50	N 19 50 01.4	E 84 33 49.0
		Kalimaba RF C/4	50	N 19 54 42.7	E 84 32 39.0
		Ragada RF C/5	50	N 19 49 27.5	E 84 30 02.2
		Vinjigiri RF C/1	50	N 19 46 50.9	E 84 30 36.9
		Dumudumi West	50	N 19 47 24.7	E 84 34 01.9
		Chandragiri RF C/3	50	N 20 08 21.1	E 84 37 11.4
		Gallery RF C/23	50	N 20 00 55.6	E 84 34 45.3
		Ghogada RF C/5	100	N 20 11 24.2	E 84 47 39.1
		<b>Total-</b>	<b>700</b>		
5	Gh. South	Banabali, Gadagada DPF, Aska Range	100	N 19 38 43.3	E 84 40 21.5
		Khirida, Mallijhara I DPF, Aska Range	50	N 19 587666	E 84 565994
		Ramapali, Chapudia DPF, Aska Range	50	N 19 41 28.0	E 84 31 50.4
		Kirtipur, Aska Range	50	N 19 539479	E 84 69829
		Hatigada, Aska Range	50	N 19 32 57	E 84 29 33
		Kiriamba RF, Compt. No.6 , Buguda Range	60	N 19 51 27.7	E 84 53 19.1
		Kumarsuni RF, Buguda Range	30	N 19 49 41.20	E 84 41 40.50

		Tangarai RF, Buguda Range	30	N 19 46 29.2	E 84 41 29.3
		Panchubhuti " A" RF, Buguda Range	30	N 19 57 38.5	E 84 51 25.1
		Kadapada RF, Buguda Range	30	N 19 54 44.03	E 84 46 58.08
		Kadapada RF, Buguda Range	30	N 19 54 40.0	E 84 46 44.1
		Kiriamba RF, Compt. No.10 , Buguda Range	30	N 19 49 14.1	E 84 48 55.0
		Nigiri RF, Buguda Range	30	N 19 52 29.1	E 84 44 33.8
		Kiriamba RF, Compt. No.03, Buguda Range	30		
		Badalchhapur, Pandiripada RL, Polasara Range	50	N 19 46 51.0	E 84 57 16.0
		Sunadei, Purunapani Daburia PRF, Polasara Range	50	N 19 40 18.0	E 84 51 21.0
		Balarampur, Badagada'A' UDPF, Badagada Range	50	N 19 37 00.52	E 84 26 43.02
		Dhanapur, Badagada Range	50	N 19 39 20.09	E 84 19 35.24
		Barapada, Badagada'A' UDPF, Badagada Range	50	N 19 30 48.87	E 84 23 43.41
		Ora , Badagada ' B' UDPF, Badagada Range	50	N 19 41 27	E 84 27 57
		<b>Total-</b>	<b>900</b>		
6	Berhampur	Nuapada	50	N19 21 32.9	E84 40 38.1
		Baniamari	50	N19 14 24	E84 40 12
		Mitrapur	40	N19 16 19	E84 40 44
		Malakutapalli	50	N 19 27 14.6	E 84 39 57 .7
		Karakhali	50	N 19 14 17.0	E 84 36 47 .0
		Gati Ambagam	50	N 19 15 17.0	E 84 26 54 .0
		Birabarapalli	40	N 19 15 17.0	E 84 26 54 .0
		Mathura-2	40	N 19 22 15.6	E 84 31 19 .4
		Burubandha	50	N 19 24 35.3	E 84 29 38 .9
		Moreibadi	100	N19 17 51 .3	E84 37 05.4
		Pipiliguda	50	N19 27 45.0	E84 32 29.0
		Nimapalli	50	N 19 27 40.8	E 84 31 44 .5
		Sanaghati (Sanaghati DPF)	20	N 19 33 03.1	E 85 05 07.4
		Mareinuagam (Bhallery, comp-5)	30	N 19 43 12.3	E 85 07 47.8
		Narayani (Bhallery,comp-12)	25	N 19 41 03.1	E 85 10 11.4
		Jatiakhola (Jogia-1)	25	N 19 30 12.0	E 85 01 53.6
		Mahulabada	50	N 19 08 18.6	E 84 30 55.9
		Kenduguma	50	N 19 10 04.7	E 84 22 41.4
		Dabada-50 Ha	50	N 19 02 03.1	E 84 29 06.8
		Raogaon	50	N 19 04 34.7	E 84 28 54.2
		Phatakasingi	30	N 18 59 45.1	E 84 28 24.1
		Puriasahi	50	N 19 01 51.0	E 84 24 46.1
		<b>Total-</b>	<b>1000</b>		
7	Paralakhemundi	Betingi	50	N-19 30 23.1	E-84 20 59.2



		Near Markada village	150	N-18 49 55.42	E-84 06 59.59
		Near Burjiguda	50	N-18.821299	E-84.139838
		Nalaghat	75	N-19.472757	E-83.986574
		Adava	75	N- 19 30 00.5	E- 84 10 33.4
		Near Bhaliaganda inside Ratanga UDPF	50	N-19 12 39.09	E- 84 12 19.08
		Near Ringisingi inside Leoba UDPF	50	N-19 03 55.82	E- 84 08 56
		Near Kapilipadar inside Chapulikirima UDPF	50	N-19 16 46.95	E- 84 05 21.08
		Near Taramangada inside Kijanga W UDPF	50	N-19 07 13.06	E- 84 04 6.73
		Dambapur	50	N 18 57 09.75	E 84 09 29.83
		Soura Bhaliasahi	50	N 19 00 42.84	E 84 09 05.11
		Tureisahi	50	N 18 53 40.32 E 84 16 12.42	N18 53 17.254 E 84 16 10.302
		Sekharapur	50	N 18 48 05.26 E 84 20 19.73	N 18 48 3.27 E 84 20 19.59
		Kanakata	50	N 19 11 35 04 E 84 21 24 03	N 19 13 41 1 E 84 15 51 0
		Kurtala	50	N 19 14 17 09 E 84 18 46 07	N 19 13 41 1 E 84 15 51 0
		Dungdung	50	N 18 94 99 38 E 84 33 08 87	N 19 56 36.67 E 84 19 22.99
		Badamasing	50	N 18 94 30 02 E 8435 00 81	N 18 95 39 13 E 84 22 37 20
		Majhisahi	50	N 18 05 46 54 E 84 23 98 32	N 19 04 27 262 E 84 16 17 043
		Chanchadakhata	50	N 19 14 75 42 E 84 32 0 88	N 19 04 27 262 E 84 16 17 043
		Laxmipur	50	N 19 14 485 E 84 26 09 68	N 19 04 27 262 E 84 16 17 043
		Dabaraguda	50	N 19 26 50 61 E 84 18 81 12	N 19 24 07 82 E 84 19 42 39
		<b>Total-</b>	<b>1200</b>		
		<b>Circle Total-</b>	<b>8800</b>		
<b>Sambalpur Circle</b>					
1	Jharsuguda	Katikela RF	50	N-21-47-14.77	E-84-04-41.78
		kandakuda DPF	50	N-21-54-44368	E-83-51-56.27
		Ullap PRF	50	N-21-51-0.10	E-83-52-34.20
		Jhargaon B	50	N-21-84-25.90	E-83-30-26.40
		Mahulmunda PRF	50	N-21-49-37.60	E-84-12-02.52
		<b>Total-</b>	<b>250</b>		
2	Sambalpur	Dumerchuan-Mundher RF	100	N-21-19-45	E-84-05-08
		Jharghati-Garpati RF	50	N-21-35-27	E-84-07-38
		Tabloi-Deogaon RF	50	N-21-12-05	E-83-59-46

		Chhamunda-Kusamura RF	50	N-21-19-47	E-84-09-51
		<b>Total-</b>	<b>250</b>		
3	Rairakhol	Redhakhol Range/ Kholgarh RF	100	21 06 34.54	84 23 05.70
		Redhakhol Range/ Hatidhara RF	50	21 07 18.0	84 24 13.5
		Charmal Range/ Berhampura PRF	50	21 04 24.02	84 10 48.0
		Charmal Range/Charmal KF	50	21 06 00	84 14 10.7
		Naktideul Range/ Rail RF	100	21 06 56.0	84 35 02.2
		Naktideul Range/ Landimal RF	50	21 14 13.04	84 36 23.04
		Badmal Range/Mochibahal PRF	200	21 08 28.17	84 08 02.65
		<b>Total-</b>	<b>600</b>		
4	Bargarh	SDBR RF	100	N-21-28-57.1	E-83-23-53.3
		SDBR RF	100	N-21-28-57.7	E-83-24-04.2
		Dechuan RF	100	N-21-609445	E-83-530315
		Padhanpali VF	100	N-21-18-13.0	E-83-24-30.8
		Maleikhaman RF	100	N-21-13-50.0	E-83-15-10.0
		Ghess PRF	100	N-21-11-38.3	E-83-15-59.1
		Gandhamardan PRF	200	N-20-56-43.8	E-82-59-33.1
		Adwal PRF	100	N-21-00-16.1	E-82-51-44.2
		Gandhamardan PRF	100	n-20-56-22.5	E-82-55-49.9
		<b>Total-</b>	<b>1000</b>		
5	Bamara WL	Ushakothi RF Compt No.17	50	21 26 44.25	84 18 43.71
		Binjipali RF Compt No.6	50	21 35 19.4	84 14 31.3
		Udsung Titobahal KF	50	21 33 21.78	84 13 45.48
		Kinabaga B DPF	50	21 59 54.54	84 30 57.2
		Pravasuni RF	50	21 39 41.32	84 29 15.97
		Kurmimunda DPF	50	21 52 41.46	84 20 39.5
		<b>Total-</b>	<b>300</b>		
		<b>Circle Total-</b>	<b>2400</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Runga RF	50	N 22 19 14.9	E 84 16 47.8
		Gireldungri RF (Athkosia)	40	N22 13 47.0	E83 58 14.4
		Jorajam RF(Athkosia)	50	N22 10 28.4	E83 54 54.0
		Budajharan RF(Athkosia)	50	N22 12 07.7	E83 59 21.1
		Litiapani DPF	100	N22 11 57.2	E83 41 13.8
		Kurumkel RF	100	N22 06 33.0	E83 46 07.0
		Dhangergudi	60	N22 12 01.4	E83 46 30.2
		Jamkani RF	150	N 22 04 46.5	E 83 39 37.0
		Dheknapani	100	N21 48 57.1	E83 43 59.0
		Kalijapathar DPF	50	N 22 18 25.7	E 84 23 09.2
		Panchora (Nuagaon DPF)	50	N 22 15 51.38	E 84 23 57.48
		Kharika munda RF	50	N 22 13 39.59	E 84 12 61.55
		Runga RF (Kumbahal)	100	N22 13 39.59	E84 12 6.186 55
		Runga RF (Ranibuda)	50	N22 14 36.91026	E84 13 20.67286
		<b>Total-</b>	<b>1000</b>		
2	Rourkela	S. Chirobeda	150	N22 09 50.7	E84 55 35.0
		Rutkupedi RF	150	N22 09 14.9	E84 48 27.7
		S. Champajharan RF	100	N22 04 20.0	E84 56 52.7
		Jharbeda RF	100	N22 03 58.6	E85 02 48.2
		Chatam RF	50	N22 06 17.0	E84 37 18.7
		Chatam RF	50	N22 09 16.7	E84 32 44.1

		Haldipani RF Sagjore Compartment	50	N22 11 37.7	E84 41 74.2
		Bagdega RF	80	N22 19 35.2	E84 59 11.5
		Lindidiri RF	70	N 22 22 09.5	E85 03 20.2
		S. Chirobeda RF	50	N 22 12 04.5	E85 01 56.2
		Jhandapahad RF	50	N22 20 3 93	E84 32 12.25
		Ghagari RF	50	N22 21 52.8	E84 41 52.6
		Banglopahad RF	50	N22 22 55.9	E84 56 45.1
		<b>Total-</b>	<b>1000</b>		
3	Bonai	Raipiri RF	200	N21 51 11.36	E84 34 51.15
		Amrudhi RF	50	N21 53 10.24	E85 02 34.99
		Lunga RF	20	N21 41 49.66	E85 02 06.39
		West Dandapat	30	N21 40 48.98	E84 51 14.37
		Bhadimara PRF	20	N21 43 02.19	E84 45 57.43
		Kantamuda	100	N21 55 00.00	E84 31 30.00
		Balai	50	N21 57 54.00	E84 37 00.00
		Sarkunda RF & PRF	80	N21 51 28.83	E85 11 07.95
		Toda RF	50	N21 52 17.77	E85 11 34.37
		<b>Total-</b>	<b>600</b>		
4	Deogarh	Khajuria RF	100	N21 42 23.4	E84 39 12.2
		Kundheigola PRF near Kapagola	30	N 21 13 36.7	E 84 52 27.4
		Kankarkhol PRF near Chandposhi	30	N 21 22 06.9	E 84 44 31.4
		Rambhadevi RF near Jharamunda	30	N 21 25 2.041	E84 49 36.594
		Tarang PRF	30	N 21 16 47.3	E 84 36 10.8
		Kankarkhol PRF near Similita	30	N 21 19 49.528	E 84 47 52.129
		Rabanakucha, Barkote	100	N21 39 17.33	E84 48 12.03
		Pradhanpat RF near Kantapali	50	N21 35 43.9	E84 46 35.1
		Tamkia RF near Jamardihi	100	N21 29 27.8	E85 14 55.1
		Malyagiri RF near Rohira	50	N21 20 18.7	E85 14 21.4
		Malyagiri RF near Boitasarei	50	N21 19 02.6	E85 15 45.6
		<b>Total-</b>	<b>600</b>		
5	Keonjhar	Basantapur R.F-Keonjhar Range	50	N-21 31 43.47	E-85 40 18.22
		Raghunathpur-Keonjhar Range	50	N-21 36 26.4	E-85 43 03.6
		Belda R.F-Keonjhar Range	50	N-21 42 06	E-85 40 00
		Jadipada R.F-Keonjhar Range	50	N-21 46 29.4	E-85 39 49.7
		Raikala R.F-Keonjhar Range	100	N-21 50 56.44	E-85 37 1.69
		Padmapur RF near Bhalupahadi--Patna Range	100	N-21 43 06.5	E-85 47 49.6
		Poipani RF near Dhobapitana--Patna Range	50	N-21 35 38.3	E-85 46 40.7
		Masinabila RF- Ghatgaon Range	50	N-21 28 49.5	E-85 52 48.7
		Nalapanga RF- Ghatgaon Range	50	N-21 24 39.1	E-85 42 46.1
		Ghatgaon Rf- Ghatgaon Range	50	N-21 23 00	E-85 53 00
		<b>Total-</b>	<b>600</b>		
		<b>Circle Total-</b>	<b>3800</b>		
<b>Baripada Circle</b>					
1	Baripada	Singimara VF	100	N 22 01 33	E 86 55 45
		<b>Total-</b>	<b>100</b>		
2	Karanja	Jambani RF	100	21 52 29.5	85 51 29.3
		Digposi RF	50	22 5 14.7	85 49 52.8
		Jamunti RF	75	21 58 53.5	85 48 52

		Kenjhora RF	25	21 41 49	86 3 27.4
		Paudia RF	50	21 46 37.2	86 5 40.1
		Taramara RF	50	21 27 37.9	86 9 14.4
		Bisipur RF – I	50	21 43 11	86 7 6
		Badbil RF	50	21 29 50.1	86 12 0.8
		Purunapani RF	50	21 34 35.1	86 6 20.3
		Jadbil RF	50	21 36 41.1	86 6 6.8
		Noda RF	50	21 17 25	86 11 7
		Satkosia RF Compt. No. 20	50	21 25 22.1	86 13 6.2
		Goudiabahali RF	50	21 24 55	86 11 9
		Satkosia RF Compt. No. 14	50	21 22 28.6	86 13 20.7
		<b>Total-</b>	<b>750</b>		
3	Rairangpur	Ramghar Asurghaty	50	22 14 16.84	86 14 24.72
		<b>Total-</b>	<b>50</b>		
4	Balasore WL	Kalajudi (Baradiha)	50	21.848833	87.128806
		Arabandha	20	21.341944	86.405626
		<b>Total-</b>	<b>70</b>		
5	Keonjhar WL	Santoshpur RF Coupe No. BTN-III Compt. 17	250	21° 20' 29.13"	860 6' 33.35"
		Atei RF Coupe No. SGP-III Compt.56	450	21° 18' 24.81"	850 57' 29.33"
		Rebana RF Coupe No. DNT-III Compt.5	300	21° 15' 28.12"	850 41' 31.07"
		Rebana RF Coupe No. PRS-III Compt.41	300	21° 9' 53.92"	850 53' 48.57"
		Palaspal PRF Coupe No. SNP-III Compt.	200	21° 16' 37.14"	850 46' 9.38"
		<b>Total-</b>	<b>1500</b>		
		<b>Circle Total-</b>	<b>2470</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Bhatangpadar	50	N19 52 01.2	E83 15 11.3
		Suknabhata	50	N19 59 35.0	E83 19 32.0
		Sinjharan	50	N19 54 23.6	E83 06 03.3
		Khangarguda	50	N19 50 8.1	E83 06 12.8
		Gachkhola	50	N19 53 08.0	E83 06 14.0
		Ampada	50	N19 52 42.8	E83 06 51.1
		Lebed	100	N20 00 11.1	E83 02 08.4
		Ramud	50	N20 15 36.1	E83 33 15.5
		Turchi	50	N20 14 47.8	E83 27 22.2
		Goudkela	50	N20 10 47.2	E83 27 22.2
		Chandanpinda	50	N20 12 51.0	E83 32 57.9
		Jurakhman	50	N20 09 43.4	E83 36 01.7
		Gopalpur	100	N20 18 22.2	E83 30 33.3
		Urladani RF	100	N20 06 28.8	E83 33 35.8
		Chochobahali	150	N20 08 28.4	E83 29 50.8
		Kamei	50	N20 06 02.6	E83 25 01.3

		Bankel	100	N20 00 39.0	E83 23 44.6
		Tundla	100	N20 16 45.0	E83 21 43.1
		Sourapadar	150	N20 11 15.8	E83 16 55.8
		Singhjhara	200	N20 15 16.1	E83 17 48.1
		Rengali	100	N 20 13 33.2	E 83 16 13.1
		Dampadar	150	N20 13 51.2	E83 21 49.7
		Jodabandh	150	N20 12 05.2	E83 19 28.3
		Phoiripani	50	N20 01 10.3	E82 45 47.2
		Badbhuin	50	N20 03 46.1	E82 45 47.2
		Sahajbahlipada	50	N20 00 36.0	E82 45 35.5
		Jamjharan	50	N20 01 13.2	E82 53 23.5
		Sikuan	100	N20 07 43.4	E82 56 30.1
		Mahendrapur	100	N20 06 40.6	E82 56 12.7
		Ramchandrapur	100	N20 03 12.8	E82 58 00.9
		<b>Total-</b>	<b>2500</b>		
2	Kalahandi South	Pratappur	100	N19 46 21.8	E83 23 53.4
		Sindhilahali	100	N19 50 50.4	E83 19 56.5
		Tarangel	100	N19 41 49.8	E83 16 41.8
		Sargiguda	100	N19 57 17.3	E83 22 23.6
		Gobardhanpur	50	N19 59 23.0	E83 23 23.9
		Karla VF	50	N20 00 15.4	E83 21 57.8
		Mohangiri PRF	100	N19 32 43.50	E83*10'27.95"
		Kandulguda VF	100	N19 32 21.45	E83*14'43.74"
		Taragaon VF	215	N19*39'38.46"	E83*04'12.16"
		Siliejore	350	N19 45 33.6	E82 12 47.8
		Chandpur	100	N19 22 58.1	E82 47 17.0
		Ainlabhta	50	M19 29 78.3	E82 42 10.1
		Koliamunda	50	N19 32 35.2	E82 39 42.5
		Kolkipadar	50	N19 31 09.7	E82 39 36.3
		Kandagarh	300	N19 33 38.9	E082 37 20.5
		Nuagaon	200	N19 32 51.1	E082 37 45.8
		Ampani	200	N19 34 17.3	E082 36 17.6
		Garjan RF	100	N19.828798	E82.99247
		Jerka RF	200	N19 45 19.0	E825854.0
		Jerka RF		N19 44 17.0	E825951.0
		Jakespadar (Singari RF)	100	N19.54964	E82.91928
		Srimaska	100	N19.619575	E82.984181
		Pandigaon (Singari RF)	100	N19.57433	E82.89778
		<b>Total-</b>	<b>2815</b>		
3	Subarnapur	Badjore	100	N20 34 24.09	E83 41 30.08
		Polbandh	50	N20 35 35.05	E83 35 52.01
		Raipali	50	N20 52 28.70	E83 42 47.23
		Bajikhola	50	N20.85854	E83.69776
		Patrapali	50	N21.136227	E83.884064
		Lastala	50	N20 58 33.9	E83 55 10.00
		Krushnapur	50	N21 05.54	E83 58.56
		Sindhol	50	N21.09010	E83.86549
		Kotsamalai	50	N21.021388	E83.965170
		Kasalpur	100	N20 56 05.00	E84 11 58.07
		Duleswar	100	N20 55 11.04	E84 15 02.09
		Amarpali	100	N20 01 47.06	E84 03 24.05

		Naktamunda	80	N20 58 27.24	E83 45 38.74
		Banjipali	100	N20 59 02.29	E83 43 21.15
		Beheramal	20	N21 05 43.01	E83 35 56.08
		<b>Total-</b>	<b>1000</b>		
4	Bolangir	Kharsel RF	50	N20 42 57.00	E83 23 34.0
		Bijlimunda (Bonda RF)	100	N20 38 52.23	E83 24 51.4
		Madhupur (Bhimdunguri RF)	50	N20 33 42.60	E83 33 15.6
		Chhatardandi RF Chhatarang	50	N20 23 51.8	E82 49 26.40
		Chhatardandi RF Talchakel	50	N20 24 10.7	E82 49 51.7
		Sarpani RF Muribahal	50	N20 26 47.2	E82 42 10.2
		Bagada	50	N20 32 02.8	E83 29 24.5
		Padampur	50	N20 35 33.2	E83 27 45.3
		Gaddwar	50	N20 36 02.5	E83 24 32.3
		Budelghuma	50	N20 35 16.7	E83 27 30.3
		Baraputa RF	50	N20 47 10.1	E82 53 37.8
		Chandli RF	100	N20 43 46.9	E82 48 24.1
		Dhusamunda	50	N20 29 33.2	E82 51 16.0
		Dholmandal	50	N20 31 38.8	E82 45 53.5
		Masina	25	N20 39 32.78	E82 44 53.74
		Lathore	50	N20 37 59.72	E82 47 14.48
		Dhaurakhaman	75	N20 37 39.9	E82 49 23.5
		Sandhimunda	75	N20 40 28.1	E82 55 14.7
		Rengali	75	N20 38 17.2	E82 52 55.4
		Kantapali	150	N20 56 53.2	E83 36 46.0
		Tengera	50	N20 30 09.1	E83 03 22.8
		Satbahani	50	N20 24 13.9	E83 07 47.1
		Budharaja RF (Khola)	50	N20 52 10.6	E83 06 16.5
		Bankodo RF	50	N20 46 52.2	E83 03 16.8
		Sandhijhore	50	N20 35 19.0	E83 12 06.0
		Runimahul	100	N20 29 24.9	E83 22 36.7
Landapathar	100	N20 32 56.8	E83 17 29.8		
Patamara	100	N20 29 22.3	E83 12 55.8		
Bhatipada	200	N20 23 13.1	E83 10 37.4		
		<b>Total-</b>	<b>2000</b>		
5	Khariar	Choura A PRF-Klamnpaniguma	50	20.160963	82.783221
		Bajini PRF- Kamarkhunti	50	20.345916	82.579946
		Bajini PRF- Mahulpada	50	20.31284	82.586309
		Kodal DPF-Dumerjore	100	20.26206	82.68961
		Pipalpani PRF-Kenduguda	50	20.27352	82.65047
		Lambipani PRF-Kuligaon	50	20.37499	82.67451
		Dharamsagar PRF	50	20.407347	82.685041
		Barkote Extn PRF-Bisibahal	50	20.52663	82.55222
		Kantapali-Ranidungri PRF	50	20.655842	82.674957
		Karamahul-Tandel B	50	20.47516	82.684766
		Forfod	50	20 52 40.85	82 27 44.31
		Salepada	70	20 43 17.78	82 40 3.58
		Goppur	30	20 83 73.3	82061058
		Musrangi	50	20 47 12.66	82 22 44.74
		Dalipakhna	50	20 48 4.74	82 21 33.20
		Choulmachi PRF-Sunarisikuan	50	20 09 18.9	82 42 10.1
		Chereipani PRF-Haldikhol	50	20 01 40.5	82 40 48.8

		Chereipani PRF-Karlapani	50	20 04 50.8	82 40 35.3
		Chereipani PRFGgantiguda	50	20 06 11.6	82 41 33.0
		Koilakhala-Talakote	50	20 05 20.1	82 25 47.8
		Koilakhala-Tankamal	50	20 03 40.4	82 28 35.0
		Adipita-Gadiajore	50	20 08 39.3	82 29 40.1
		Koilakhala-Dongargaon	50	20 04 09.9	82 31 11.7
		Masankunda PRF	100	20 57 51.7	82 39 15.8
		Singhpur PRF	50	21 03 36.8	82 37 50.4
		Dhumabhata	50	20 54 40.4	82 37 24.1
		<b>Total-</b>	<b>1400</b>		
6	Sunabeda WL	Bhatabandhali	50	N20 33 20.0	E82 28 30.0
		Thelkobeda	50	N20 31 33.0	E82 29 17.0
		Gurjibhata	50	N20 37 10.0	E82 28 32.0
		Bharribanji	50	N20 39 54.1	E82 30 53.9
		Mulchenbahali	50	N20 41 28.0	E82 30 19.0
		Raitalbandh	50	N20 42 56.1	E82 28 18.7
		Chandanpur	50	N20 41 02.0	E82 31 52
		Sagunbhadi	50	N20 39 53.8	E82 24 57.6
		Upkapani	50	N 20 38 39.3	E82 22 25.6
		Rajakendu	50	N20 38 16.9	E82 23 13.3
		Bhachhadhara	50	N 20 35 56.0	E 82 20 50.0
		Sahajpani	50	N20 42 26.0	E82 25 53.0
		Chereichuan	50	N20 32 50	E82 32 2
		Siletpani(Gindelghati)	50	N20 36 55.2	E82 31 54.6
		Michhapali	50	N20 35 17.2	E82 32 41.3
		Dhorlamunda	50	N20 28 20	E82 34 18
		<b>Total-</b>	<b>800</b>		
		<b>Circle Total-</b>	<b>10515</b>		
<b>Koraput Circle</b>					
1	Rayagada	Arbi PRF	150	19.33157	83.51487
		Buduni PRF	70	19.27764	83.44080
		Barijholra RF	50	19.1844454	83.31166
		Rafukona RF	150	19.11826	83.23084
		Kurumulumunda PRF	70	19.10180	83.21154
		Kosupadu PRF	60	19.11446	83.49212
		Ludrupudi	50		83.350401
		Upper Sajja	50	19 25 20.7	83.350401
		Sankesu	50	19 24 08.5	83.364691
		Bhitar Jhola	100	19 17 19.8	83.364691
		Renga	25	19 22 52.0	
		Sergiguda	25		83.120465
		Basangamali	200	19.301619	
		Bhitar Duluki	100	19.208837	83.038999
		Balkapai	100	19.309359	83.218142
		Bijaghati	75		
		Chanapukali	75	19.26634	83.16949
		Jambaguda	50	19.26380	83.16070
		Dalmaeridi	50	19.17800	83.14710
		Tarabadi	50	19.18710	83.14270
		Thuagudi	50		
		Dulerigaon	50	19.45754	83.52523

		Baniponga	50	19.72121	83.47399
		Purunapani	50	19.67013	83.61702
		Purunapani	50	19.78220	83.57450
		Karkamarka	50	19.77698	83.54440
		Maligaon	50	19.82814	83.54178
		Bakalaka	50	19.88643	83.49669
		Kathabadi	50	19.89826	83.46997
		Jodingi	50	19.89826	83.46997
		Kankubadi	50	19.88201	83.50402
		Gumudiguda PRF	100	19.88201	83.50402
		Pedakonda RF	100	19.77307	83.49227
		Loba RF	50	19.3631.6	83.4949.5
		Thuagudi PRF	50	19.44869	83.49472
		Bududimal RF	50		
		Kujendri A RF	50	18.968972	83.746056
		G. Gulumunda RF	100	19.064132	83.861958
		Kalamguda DPF	100	19.224535	83.907568
		Dhenduguda PRF	50	19.238738	83.917635
		Jalanidhi PRF	50	19.10684	83.74223
		Siriguda RF	50	19.14916	83.74540
		Thatuni RF	50	19.18417	83.70284
		Devala RF	50	19.30417	83.65611
		Naira RF	50		
		<b>Total-</b>	<b>3000</b>		
2	Koraput	Bidaghati	50	N18.831634	E.82.646081
		Dakra	50	N18.81225	E82.79870
		Bondaguda	50	N18.77008	E82.83806
		Sargighati RF	100	N19.04470	E83.14369
		Laxmipur Alias Nalachua	100	N18.979712	E83.12202
		Ambiliput	50	N19.08102	E83.26339
		Musulimunda	50	N18.92269	E83.11359
		Naranga	50	N18.8469	E83.11359
		Kesili	50	N18.75498	E83.21702
		Subai B PRF	50	N18.61527	E82.78552
		Kulab PRF	50	N18.654496	E82.768864
		Nandapur Ext. PRF	50	N18.599391	E82.686256
		Bangarigudi Ext. PRF	50	N18.401190	E83.033889
		Bailiguda	70	N18.33055	E82.658451
		Barangopalli RF	70	N18.40686	E82.63242
		Chatua RF	60	N18.35116	E82.75068
		Jayantagiri	50	N18.57592	E82.41574
		<b>Total-</b>	<b>1000</b>		
3	Jeypore	Chanchadapadar	30	18.9733	82.6751
		Birifulgumma	30	19.1393	82.7748
		Pakhanaguda	20	19.0183	82.4915
		Turunjiguda	20	18.9624	82.7337
		Hatibari	30		
		Ghodaghat B PRF	20		
		Ghatagumar	25	18.82241	82.58997
		Dirbiguda (Ghatabagra)	50	18.90547	82.46989
		Podapadar	25	18.49042	82.34189
		Sahanimunda	70	18.65981	82.44061



		Tenghguda	30	19.0201	82.2433
		Kodolimunda	30	18.9228	82.3792
		Dangarapalli	20	18.9644	82.3488
		<b>Total-</b>	<b>400</b>		
4	Nabarangpur	Kantasar, Maidapur PRF	100	N19.47747	E82.62700
		Kantasar, Maidapur PRF	50	N19.50347	E82.63178
		Merei- Maidapur PRF	50	N19.43986	E82.64669
		Kusumbandh VSS-Baigam RF	50	N19.51192	E82.42582
		Singhiguda PRF	50	N19.39772	E82.35708
		Batar PRF	50	N19.39704	E82.40090
		Chargam VSS, Bijapur RF	50	N19.537921	E82.346211
		Kasipani (Panabeda PRF)	100	N19.75325	E82.52853
		Kongra (Panabeda PRF)	50	N19.68839	E82.47739
		Palaspani (Panabeda PRF)	50	N19.77919	E82.52772
		Ichhapur	100	N19 40 48.2	E082 26 57.9
		Banuaguda	50	N19 32 35.6	E082 28 23.7
		Maniaguda	50	N19 33 16.4	E082 29 14.5
		Padeiguda PRF	150	N19.23212	E82.29320
		Boraguda (Beheda RL)	50	N19.94058	E82.19694
		Hatibena PRF (Debagan)	50	N19.85206	E82.02542
		Naktisimada (Hatigam RF)	50	N19.99628	E82.03869
		Madiabeda	100	N20.03431	E82.06661
		Hatigam RF	100	N20.02697	E82.09047
		Putanada (Revenue land)	50	N19.97592	E82.20225
		Saitipadar (Podagad RF)	100	N19.570000	E82.178528
		Ijarguda (Malbeda PRF)	50	N19.489944	E82.134750
		Rajpur PRF	100	N19.534139	E82.088167
		Kochegam (Singisari RF)	100	N19.516750	E82.183917
		Hirapur (Podagada RF)	50	N19.619603	E82.102868
		Attigam RF	100	N19.252922	E82.240833
Rajoda RF	50	N19.231421	E82.268656		
Podabasa PRF (WPP)	100	N19.260311	E82.334831		
		<b>Total-</b>	<b>2000</b>		
5	Malakangiri	Kanangi	40	N.18.125251	E 82.090883
		Nuaguda	40	N 18.1911738	E 82.034560
		Dalpatiguda	30	N 18.577521	E 82.182675
		Chedenga	50	N 18.585141	E 82.118632
		Kulabeda	30	N 18.604989	E 82.217553
		Pedaguda	30	N 18.39531	E 82.09792
		Sarangpalli	30	N 18.66361	E 82.156388
		Dariguda	30	N 18.08895	E 81.81969
		Duduguda	40	N. 18.22069	E 81.73523
		Badenguda	30	N 18.08767	E 81.59067
		Irlagundi	40	N 18.159699	E 81.624994
		Suliapadar	30	N 18.299058	E 81.982743
		Dangaskhal	30	N 18.349359	E 81.776518
		Megazine	40	N 18.126513	E 82.126241
		Anjariaguda	40	N 18.097863	E 82.140888
		Similipadar	40	N 18.0539	E 82.1256
		Teakpadar	40	N 18.099625	E 82.222740
		Palam	20	N 18.116446	E 82.079346

	Jadaput	30	N.18.039312	E 81.978707
	Koyaguda	20	N 17.935695	E 81.654747
	Nilakota	30	N 17.85206	E 81.58639
	Gharsapalli	30	N 17.85086	E 81.53803
	Kotaguda	30	N 17.83167	E 81.41472
	Muraliguda	30	N 17.88000	E 81.46917
	<b>Total-</b>	<b>800</b>		
	<b>Circle Total-</b>	<b>7200</b>		
	<b>Grand Total-</b>	<b>40000</b>		

### Annexure – III-III

#### Site-wise details of Bald Hill Plantation

Site wise details of Bald Hill Plantation @ 1600/plant/Ha Rs.2.16340 as per wage rate Rs.298/- per day

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Athgarh	Phulabadi PRF	10	N 20 27 51.7	E 85 38 07.0
		Khalidhipi Janisahi PRF	10	N 20 23 48.6	E 85 14 55.0
		<b>Total-</b>	<b>20</b>		
		<b>Circle Total-</b>	<b>20</b>		
<b>Bhubaneswar Circle</b>					
1	Nayagarh	Mahulaberana RL	25	N - 20 20 09.76	E - 85 13 32.94
		Gholahandi RL	25	N - 20 21 85.30	E - 84 57 24.90
		Bagharagadi Pahada	15	N - 20 06 43.76	E - 85 05 10.13
		Bhandarapahada	20	N - 20 01 53.80	E - 85 03 15.73
		Bhalumundia RL	15	N - 20 00 25.61	E - 84 58 50.10
		<b>Total-</b>	<b>100</b>		
		<b>Circle Total-</b>	<b>100</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Chakapad RF, (Compt-18 near Sunapanga )	10	N 20 16 27.6	E 84 31 02.0
		<b>Total-</b>	<b>10</b>		
2	Berhampur	Nakamudia	10	N19 12 53.4	E84 39 26.4
		Narayani	10	N 19 41 18.5	E 85 10 10.8
		<b>Total-</b>	<b>20</b>		
3	Paralakhemundi	Sara	10	N- 18.99 72.14	E- 83.81 33.38
		R.Udayagiri (R.Udayagiri W UDPF)	5	N -19 8 0.24	E -84 8 45.13
		Near Ketung inside Manikapur UDPF	5	N-19 04 38.06	E-84 07 23.59
		Near Souri inside Kijanga E UDPF	5	N- 19 04 6.16	E- 84 03 6.04
		Jallanga	4	N 19 01 25.25	E 84 09 47.71
		Champapur	6	N 18 57 49.40	E 84 08 58.63
		Galaganda	20	N 18 93 47 75	E 84 24 64 64
		Bursunda	10	N 18 97 89 49	E 84 35 45 75
		Taralasing	10	N 19 04 50.67	E 84 27 04 96

		Damba	20	N 19 12 04.24	E 84 23 60 35
		<b>Total-</b>	<b>95</b>		
		<b>Circle Total-</b>	<b>125</b>		
<b>Rourkela Circle</b>					
1	Keonjhar	Padmapur RF --Patna Range	10	N-21 43 33.7	E-85 47 20.3
		<b>Total-</b>	<b>10</b>		
		<b>Circle Total-</b>	<b>10</b>		
<b>Baripada Circle</b>					
1	Balasore WL	Along the Kuldiha-Hadgarh-Similipal Elephant Corridor	40.00	21 <sup>0</sup> 19' 55.28"	86 <sup>0</sup> 25'22.20"
		<b>Total-</b>	<b>40</b>		
		<b>Circle Total-</b>	<b>40</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Pirdungguda	15	N19 48 44.6	E83 13 11.1
		Jambahali	10	N20 14 18.9	E83 31 26.6
		Gokuleswar	15	N20 08 24.4	E83 09 24.8
		<b>Total-</b>	<b>40</b>		
2	Kalahandi South	Mardiguda VF	30	N19*566.89"	E83*044358"
		Junapani	30	N 19 24 27.1	E82 49 02.3
		Badchhatrang	20	N19 28 26.5	E82 54 25.5
		Kaudola	20	N 19 37 59.5	E082 39 30.5
		Kumudabahal	25	N19.60416	E82.97529
		Bhitarpadar	15	N19.31053	E82.91489
		<b>Total-</b>	<b>140</b>		
3	Subarnapur	Chudakhai	80	N20 39 60.00	E83 39 56.00
		Bhalusukha	40	N20 39 27.00	E83 39 59.00
		Ramei	20	N20 39 41.00	E83 42 42.00
		<b>Total-</b>	<b>140</b>		
4	Bolangir	Kursud (Dangar)	20	N20 10 53.3	E82 57 47.1
		Chinched	10	N20 30 08.6	E83 31 54.8
		Sangurjibhata	20	N20 40 38.84	E82 44 15.22
		Bangabahal	15	N20 56 24.8	E83 34 40.4
		Suapada	15	N20 25 17.6	E83 09 07.5
		Rengatasil	15	N20 42 21.5	E83 14 04.1
		Brahmani	15	N20.477679	E083.304329
		<b>Total-</b>	<b>110</b>		
5	Khariar	Thelkodungri VF	10	20.33454	82.70222
		Choura PRF- Jogibahal	10	20 05 16.6	82 41 48.1
		Chereiapani PRF-Karlapani	10	20 07 06.5	82 42 37.1
		Bhalukona	5	20 54 40.4	82 37 24.1
		<b>Total-</b>	<b>35</b>		
		<b>Circle Total-</b>	<b>465</b>		
<b>Koraput Circle</b>					
1	Rayagada	Buduni PRF	10		
		Baleswar FB	10		
		Pandrapada	10	19.460557	83.261508
		Kusapai	10	19.31356	83.292449
		Bartibali	15		
		Tentulipadar	30		
		Kerenja	15		
		<b>Total-</b>	<b>100</b>		
2	Koraput	Mosiput	15	N18.780173	E82.699198

		Sargighati	15		
		Kharikona	15		
		Badatema	15	N18.58337	E.82.891369
		Suniwalasa	10	N18.53094	E82.99168
		Haridaguda	20	N18.44675	E82.75956
		Puki (Badapetta)	10	N18.756683	E82.582837
		<b>Total-</b>	<b>100</b>		
3	Jeypore	Parol	20	18.72723	82.52906
		Pondasguda	10	19.0016	82.6888
		Champapadar	10	19.0775	82.73611111
		<b>Total-</b>	<b>40</b>		
		<b>Circle Total-</b>	<b>240</b>		
		<b>Grand Total-</b>	<b>1000</b>		

### Annexure-III-IV

#### Site-wise details of Bamboo Plantation

Site wise details of Bamboo Plantation @ 400/plant/Ha (creation). Rs.48857 as per wage rate Rs.298/- per day

Sl No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Angul	Balanga RF Compt No-4	20	20.69780556	85.00475
		Machhakuta KF	10	21.05119444	84.83041667
		<b>Total-</b>	<b>30</b>		
2	Athmallik	<b>Dhandatopa Range</b> HRF Compt. No. 8	30	20 45 42.7	84 39 33.8
		<b>Total-</b>	<b>30</b>		
3	Athgarh	Baudabanakhandi RF	30	N 20 28 51.5	E 85 40 00.6
		Deulia RF	10	N 20 34 23.4	E 85 41 59.8
		<b>Total-</b>	<b>40</b>		
		<b>Circle Total-</b>	<b>100</b>		
<b>Bhubaneswar Circle</b>					
1	Nayagarh	Guriabari RF	30	N - 20 20 28.16	E - 85 05 17.49
		<b>Total-</b>	<b>30</b>		
		<b>Circle Total-</b>	<b>30</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Krandibali East RF( near Majhipada)	20	N20 22 05.3	E 84 06 12.3
		<b>Total-</b>	<b>20</b>		
2	Baliguda	Tuakala	10	N-19-55-52.0	E-83-36-49.2
		Gohili	10	N-20-02-25.5	E83-38-59.0
		Nilimajhiguda	10	N-19-44-26.5	E-83-49-06.19
		<b>Total-</b>	<b>30</b>		
3	Gh. North	Darpangia RF C/8	<b>30</b>	N 20 01 29.3	E 84 27 47.2
		<b>Total-</b>	<b>30</b>		
4	Paralakhemundi	Ambliamba	50	N-19 31 15.1	E-84 21 08.2

		Near Gothakeli	50	N-19 21 34.8	E-84 24 36.1
		Champapur	35	N 18 53 18.71	E 84 23 53.25
		Satabhouni	30	N 18 54 28.93	E 84 18 36.29
		Gandahati	20	N 18 52 56.466	E 84 15 51.408
		Near Simiri inside R.Udayagiri W UDPF	10	N-19 12 29.04	E-84 06 58.55
		Near Budhisila R.Udayagiri S PRF	10	N-19 08 13.92	E-84 08 2.76
		Near Ketung inside Manikapur UDPF	5	N-19 04 44.43	E-84 07 36.52
		Near Attarasingi inside Manikapur UDPF	5	N- 19 05 90	E- 84 09 01
		Near Naudipadar inside Chapulikirima UDPF	15	N-19 07 13.06	E-84 01 22.01
		Laxmipur	25	N-19 14 4.85	E-84 26 1.42
		Beding	25	N-19 08 38.84	E-84 30 28.79
		Kanakata	25	N-19 11 6.7	E-81.31 05.5
		Patusahi	25	N-19 25 07 61	E-84.18 23.77
		Engarsing	50	N-19 00 61 60	E-84.22 43.03
		<b>Total-</b>	<b>380</b>		
		<b>Circle Total-</b>	<b>460</b>		
<b>Sambalpur Circle</b>					
1	Bargarh	Adwal PRF	50	N-21-04-05.8	E-82-55-15.6
		<b>Total-</b>	<b>50</b>		
		<b>Circle Total-</b>	<b>50</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Garjanpahad RF	40	N21 58 20.7	E83 39 55.8
		<b>Total-</b>	<b>40</b>		
		<b>Circle Total-</b>	<b>40</b>		
<b>Baripada Circle</b>					
1	Balasore WL	Swarnachuda	10	21.2758	86.4616
		Menakasa	10	21.8816	87.177
		<b>Total-</b>	<b>20</b>		
		<b>Circle Total-</b>	<b>20</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Porgel RF	100	N20 00 57.5	E83 25 47.8
		<b>Total-</b>	<b>100</b>		
2	Bolangir	Jhinkidunguri	30	N20 27 34.0	E83 13 12.8
		<b>Total-</b>	<b>30</b>		
3	Khariar	Latabanji PRF	15	20.424542	82.673415
		Anupgarh-Tandel-C	10	20.554164	82.697601
		Khairpadr	15	20 06 17.4	82 32 48.5
		<b>Total-</b>	<b>40</b>		
4	Sunabeda WL	Gundrupani	15	N20 36 23.0	E82 27 11.0
		Godhus (Babapada)	15	N20 40 05.6	E82 26 15.7
		<b>Total-</b>	<b>30</b>		
		<b>Circle Total-</b>	<b>200</b>		

Koraput Circle					
1	Jeypore	Jhodanga	25	18.73759	82.42088
		Kukudakata	15	19.14555556	82.75555556
		in side Malchama RF	10	19.02647	82.41633
		<b>Total-</b>	<b>50</b>		
2	Nabarangpur	Bankasargi RF	10	N19.25411	E82.49326
		Tohora(Beheda RL)	10	N19.80400	E82.228194
		<b>Total-</b>	<b>20</b>		
3	Malkangiri	Jhileruguda	30	N 18.471845	E 81.88694
		<b>Total-</b>	<b>30</b>		
		<b>Circle Total-</b>	<b>100</b>		
		<b>Grand Total-</b>	<b>1000</b>		

### Annexure –III-V

#### **Fodder & Fruit Bearing Plantation**

**Site wise details of Fodder & Fruit Bearing Plantation @ 1600/plant/Ha Rs.34376 as per wage rate Rs.298/- per day**

SI No	Name of the Division	Location	Area	Geo Co-ordinates	
<b>Angul Circle</b>					
1	Angul	Balanga-4	10	20 69 20	84 99 4.44
		Balanga-8	10	20 67 91.11	85 04 28.33
		Nuakheta-2	10	20 63 13.61	85 10 65.27
		Nuakheta-9	10	20 63 13.61	85 10 65.27
		Katada-1	10	20 99 43.33	84 80 98.61
		Badhar	10	21 00 5.55	85 02 82.22
		<b>Total-</b>	<b>60</b>		
2	Dhenkanal	Khankira RF	10	N-20-43-36.60	E-85-55-58.56
		<b>Total-</b>	<b>10</b>		
3	Athgarh	Baniabandha RF	20	20 38 50	85 48 27.6
		Baudabanakhandi RF	25	20 28 51.5	85 40 00.00
		<b>Total-</b>	<b>45</b>		
4	Cuttack	Ambilijhari PRF	5	20 37 41	85 51 34
		<b>Total-</b>	<b>5</b>		
		<b>Circle Total-</b>	<b>120</b>		
<b>Bhubaneswar Circle</b>					
1	Nayagarh	Pokharigocha RF	5	20 44 35.9	84 77 88.8
		Bankamunda RF	11	26 26 39.3	84 58 56.5
		<b>Total-</b>	<b>16</b>		
		<b>Circle Total-</b>	<b>16</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Deulidihi VF	6	22 95 18	83 45 10.2
		Maniaghathi VF	10	22 98 04	83 44 01.2
		<b>Total-</b>	<b>16</b>		

2	Rourkela	Tumkela VF	20	21. 49 43.5	84 55 31.2
		Sagadiaposh VF	10	21 54 43.1	84 57 11.0
		Bandhan Nali	10	21 51 55.1	84 54 13.9
		Badpurunapini	10	21 51 56.2	84 54 27.3
		Kuarmunda	10	22 16 12	84 47 17.8
		Kalunga	10	22 11 12.8	84 46 39.2
		Kacharu	10	22 16 49.5	84 50 16.3
		Birda	10	22 04 37.7	84 45 43.1
		Kalepur DPF	10	22 24 55.5	85 02 36.1
		Bhadarpur KF	13	11 21 07.68	84 42 01.20
		Jayedega KF	25	22 20 15.66	84 40 48.65
		<b>Total-</b>	<b>138</b>		
3	Bonai	Dhenkiam RF	10	21 59 54.5	84 49 43
		Sirigida RF	10	22 00 17	84 34 21
		Toda RF	10	21 53 1.06	85 06 20.55
		Raipiri PRF	10	21 53 9.48	84 37 40.23
		Budhapahad KF	10	21 42 52.4	84 56 52.7
		San-dalki KF	10	21 39 24.2	84 45 39.7
		<b>Total-</b>	<b>60</b>		
		<b>Circle Total-</b>	<b>214</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Goudkela	20	N20 21 40.8	E83 54 99.4
		Dangsurpipadi	10	N20 08 05.87	E83 32 32.65
		<b>Total-</b>	<b>30</b>		
2	Kalahandi South	Korlapat	10	19 46 1.7	83 04 24.2
		Kiapadar	10	19 43 36.7	83 03 48
		<b>Total-</b>	<b>20</b>		
3	Subarnapur	Sialiuri	30	20 47 28.4	83 44 18.6
		Arda	20	20 35 3.0	83 40 09.6
		Jamkhol	20	20 52 14.11	83 42 34.42
		<b>Total-</b>	<b>70</b>		
4	Bolangir	Ghati RF(Gaikhai)	4	N20 57 01.8	E83 31 14.7
		<b>Total-</b>	<b>4</b>		
5	Khariar	Jogbhata	20	20 10 27.7	82 26 35.5
		Sialiti	16	20 04 58.2	82 32 20.9
		Botha	15	20 55 31.1	82 3742.3
		Barakothi	10	21 01 39.0	82 40 35.2
		<b>Total-</b>	<b>61</b>		
		<b>Circle Total-</b>	<b>185</b>		
<b>Koraput Circle</b>					
1	Rayagada	Ambadala	5	19 84 67.3	83 51 48.7
		<b>Total-</b>	<b>5</b>		
2	Jeypore	Janiguda	10	19.06689	82.507903
		<b>Total-</b>	<b>10</b>		
		<b>Circle Total-</b>	<b>15</b>		
		<b>Grand Total-</b>	<b>550</b>		

## Annexure-III-VI

### Site-wise details of Block Plantation (2nd Year maintenance)

**2nd Year maintenance of Block Plantation @ 1600/palnt/Ha Rs.28773 as per wage rate Rs.298/- per day**

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Dhenkanal	Ambithi RF	30	N-20 41 08.8	E85° 09' 10.0
		Balipasi RF	40	N-20° 48' 55.7	E-85° 58' 0.72
		Khalpal RF	10	N-20°-58' 43.7	E-85° 17' 34.1
		Talcher Border RF	20	N-21° 03' 37.4	E-85° 12' 12.6
		<b>Total-</b>	<b>100</b>		
2	Cuttack	Padiabandha in Binchana PF	17	20 39 01.3	85 58 42.7
		Kamarda	10	21 03 40.87	85 50 22.32
		Bahali Sahi	30	21 03 44.42	85 50 35.53
		Odisha Baniyahidhia (Adjacent to Jagatsinghpur Municipality area)	3	20.22811	86.18749
		Bhadigotha inside Bandhapali PRF	10	20 40 23.06	86 00 36.6
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>170</b>		
<b>Bhubaneswar Circle</b>					
1	Khurda	Rameswar DPF	20	19-59-29.20	85-31-26.89
		Nalsingh DPF	10	20-01-11.58	85-29-41.72
		Chakadapathar DPF	10	19-52-17-3	85-14-33.0
		Jharan DPF	10	19-48-15.48	85-04-47.28
		Jharan DPF	10	19-49-05.12	85-04-17.62
		Parikansari Revenue land, Khata No. 253, Plot No. 135 & 145	20	19-47-57.75	85-12-53.44
		Tangeni Revenue land	10	20-04-47.64	85-44-45.64
		Biswanath Rev.forest	10	20-04-54.73	85-44-07.40
		<b>Total-</b>	<b>100</b>		
2	Nayagarh	Kusadhipi RL	20	N - 20 04 00.53	E - 85 00 25.32
		Kalamba RL	20	N - 20 06 15.70	E - 84 54 53.00
		Narayanprasad RL	10	N - 20 23 31.60	E - 85 00 02.00
		Paturia RL	15	N - 20 23 48.30	E - 85 55 04.60
		Jakeda RL	15	N - 19 59 37.63	E - 85 09 55.02
		Khajuribania RL	10	N - 20 17 11.00	E - 84 48 47.10
		<b>Total-</b>	<b>90</b>		
3	Puri WL	Samarei Sasan	10	N-20 05 38.6	E-85 51 51.1
		Tikina	10	N-19 51 34.18	E-86 01 20.10
		<b>Total-</b>	<b>20</b>		
		<b>Circle Total-</b>	<b>210</b>		
<b>Berhampur Circle</b>					
1	Baliguda	Kilangi PRF	10	N-19-54-18.5	E-83-45-25.3
		Desughati	10	N-19-56-32.47	E-83-33-57.57
		<b>Total-</b>	<b>20</b>		
2	Boudh	Bijapadar V.F	15	N20 44 47.5	E84 12 32.7
		Tarbha V.F	15	N20 44 57.8	E84 09 44.9



		Jadapal V.F	20	N20 41 18.63	E84 03 07.23
		Gopalpur V.F & Gochar	20	N20 43 9.86	E83 57 05.19
		Benges Gochar Land	10	N20 33 05.1	E83 45 24.4
		Badaasur V.F	10	N20 30 05.4	E83 45 37.5
		Gansangudi V.F	10	N-20 41 19.02	E-84 06 19.9
		<b>Total-</b>	<b>100</b>		
3	Gh. South	Khariguda in Badagada-A UDPF of Badagada range	5	84 19 05.0	19 40 13.0
		Srirampalli in Srirampalli PRF of Badagada range	5	84 21 47.0	19 41 38.0
		Sadangipalli in Badagada-B UDPF of Badagada range	5	84 28 06.0	19 36 17.0
		Ora in Badagada-B UDPF of Badagada range	5	84 28 01.0	19 41 17.0
		Gokulapur in Srirampalli PRF	25	84 20 36.0	19 40 09.0
		Kharikuti, Asurabandha Beat, Pipalapanka RF	15	84 20 09.6	19 48 10.5
		Purunapani Daburia in Polasara Range	5	84 51 8.16	19 42 5.24
		Bhabarada East Beat	15	84 52 13.4	19 44 32.3
		Tangarei RF	5	84 53 12.9	19 47 56.3
		Panchubhuti 'A' RF, Comptt. No. 4	10	84 53 12.9	19 55 27.1
		Karchulli 'B' RF	5	84 52 53.2	19 54 38.6
		<b>Total-</b>	<b>100</b>		
4	Berhampur	Sundarapur	10	N19 23 22.0	E84 54 28.7
		Kumbajhari	10	N19 22 25.5	E84 42 6.9
		Betajhari	10	N19 15 57.1	E84 39 51.5
		<b>Total-</b>	<b>30</b>		
		<b>Circle Total-</b>	<b>250</b>		
<b>Sambalpur Circle</b>					
1	Jharsuguda	Naxapali VF	25	N-21-54-57.73	E-84-10-49.72
		Bhatlaida VF	25	N-21-50-50.02	E-84-12-14.7
		<b>Total-</b>	<b>50</b>		
2	Bargarh	Barikel	20	N-21-12-6.963	E-83-40-49.746
		Jhanjpahad PRF	20	N-21-05-52.1	E-83-12-07.7
		Hardatal VF	15	N-20-57-17.8	E-82-58-44.5
		<b>Total-</b>	<b>55</b>		
		<b>Circle Total-</b>	<b>105</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Ardadungri (Kodbahal)	20	N-21-59-56.9	E-83-38-22.3
		Beheramunda RF (Daghora)	10	N-21-52-35.4	E-83-35-29.1
		Garjanpahad RF (Daghora)	10	N-21-52-58.3	E-83-40-35.9
		Madhupur	10	N-22-01-47.7	E-84-15-44.4
		Sribhabanpur DPF	30	N-22-03-04.1	E-83-56-01.6
		Jhulendihi KF	10	N-22-03-47.3	E-83-52-18.1
		Kulabira KF	10	N-22-04-43.2	E-83-48-05.1
		<b>Total-</b>	<b>100</b>		
2	Rourkela	Ganjur	10	22 25 19.3	85 03 46.5
		Santoshpur	10	22 15 23.1	84 87 52.4
		Bhainsamunda	10	22 02 39.76	84 45 19.51
		<b>Total-</b>	<b>30</b>		
3	Bonai	Bijakuli-Beldihi DPF	20	21 47 19.6	84 53 0.4
		Budhabhuin (Khandadhar PRF)	10	21 36 5.83	85 8 24.63

		Bandhabhuin (Mahulpada RF)	10	21 36 5.83	85 8 24.63
		<b>Total-</b>	<b>40</b>		
4	Deogarh	Kankarkhol PRF	25	21 19 24.647	84 43 51.142
		Kankarkhol PRF	25	21 19 56.909	84 43 25.804
		Kankarkhol PRF	25	21° 20' 20.031	84° 42' 18.542
		Tarang PRF	25	N 21 16 20	E 84 34 5
		<b>Total-</b>	<b>100</b>		
		<b>Circle Total-</b>	<b>270</b>		
<b>Baripada Circle</b>					
1	Baripada	Dighi RF	20	N22 57 59	E86 37 53.3
		Tatapada RF	20	N21 41 42.6	E86 00 34.9
		Belakuti RF	10	N21 389 47.3	E86 42 24.4
		<b>Total-</b>	<b>50</b>		
2	Karanja	Jambani	5	21 21 57	86 15 44
		Salchua	5	21 18 9.64	86 10 12.87
		Khejuria RF	10	21 32 26.2	86 8 18.6
		Khuntakota	10	21 37 46.3	86 6 54.5
		Hindola RF	10	22 3 28.9	85 43 56.6
		Buruhatu	10	22 4 45	85 48 43.4
		Naksara RF	10	22 6 8.5	85 48 55.7
		Hatisalbeda RF	10	21 44 17.7	86 4 21.6
		Paudia RF	10	21 46 43.5	86 5 39.1
		Mahuliasoli RF	5	21 54 2.1	85 50 42.8
		Mahadev Deuli RF	5	21 54 3.8	85 50 42.1
		Near village Chadban	5	22 1 44.2	86 5 45.4
		Budhipat DPF (Near village Pahadpur)	5	22 1 15	86 1 30.1
				<b>Total-</b>	<b>100</b>
		<b>Circle Total-</b>	<b>150</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Karlapada	20	20° 5'46.30	83° 6'34.41
		Borguma	10	N20.154656	E82.941552
		Purnapani	15	N20 05 26.6	E83 01 18.0
		<b>Total-</b>	<b>45</b>		
2	Kalahandi South	Niyamgiri RF	50	N 19 68 33.4	E 83 37 38.4
		Nachniguda RF	50	N 19 65 53.5	E 83 34 87.7
		<b>Total-</b>	<b>100</b>		
3	Subarnapur	Adakasa	20	N21 02 49.38	E083 42 04.92
		Anandapur	15	N20 58 11.28	E083 41 37.26
		Badbahali	20	N20 47 23.37	E83 43 57.57
		Bandhpali	25	N20 46 57.62	E83 44 45.82
		Badtenda	20	N 20 36 16.18	E83 36 22.30
		<b>Total-</b>	<b>100</b>		
4	Bolangir	Bankeda V.F., Balangir Range	15	N20 39 11.1	N83 23 22.3
		Tandamunda V.F., Balangir Range	20	N20 37 14.3	N83 30 37.0
		Ghagurli Beat (Bender-II), Lathore Range	15	N20 63 08.6	E82 83 72.7
		Muribahal, Muribahal Range	20	N20 23 39.1	E83 03 10.2
		Phulmunda VF, Patnagarh Range	20	N20 46 02.4	E83 05 59.5
		Dumerpita VF, Patnagarh Range	10	N20 29 35.5	E83 15 50.3
		<b>Total-</b>	<b>100</b>		

5	Khariar	Kampur	10	N20.162316	E82.678831
		Kumudi PRF (Doto)	20	N20 10 51.7	E82 37 43.3
		Lanji VF	10	N20 15 29.9	E82 40 32.6
		Jhitki VF	30	N20 58 55.5	E82 36 00.1
		Barakothi VF	10	N 21 00 17.5	E 82 40 09.3
		Mahattamtora	20	N 20 53 01.5	E 82 33 41.8
		<b>Total-</b>	<b>100</b>		
		<b>Circle Total-</b>	<b>445</b>		
<b>Koraput Circle</b>					
1	Koraput	Baraguda	20	N19.824292	E82.953021
		Marichamal	20	N18.83963	E82.968465
		Utkapadu	20	N19.05885	E83.78842
		Podei	20	N18.39572	E82.63894
		Siprujholla	20	N18.37353	E82.61619
		<b>Total-</b>	<b>100</b>		
2	Jeypore	Tentulipadar	10	18.3662	82.4542
		Biriguda	10	19.7078	82.4122
		Chikatsil	10	19.2203	82.6140
		Mohulbhatta RF	7	18.5337	82.3741
		Ghatgumar PRF ( N.Bagra)	10	18.4651	82.3349
		Sindhigaon PRF	5	18.8720	82.9343
		Kadalimunda RF	3	18.5522	82.2245
		Kerimiti-I VF	5	18.8720	82.9343
		Handikhal (Goipadar VSS)	10	18.7472	82.3162
		Sargipadar	10	18.5917	82.4046
		Totapada	10	18.364761	82.28484
		Talagunji	10	18.434968	82.30076
		<b>Total-</b>	<b>100</b>		
3	Nabarangpur	Betajharan RF	20	N19.41306	E82.52122
		Photakote RL	20	N19.55911	E82.92142
		Umrahandi VSS, Patri PRF	20	N19.45102	E82.44054
		Singari RF (Gotiguda)	20	N19.546139	E82.18100
		Hatibena PRF	20	N19.87275	E82.02344
		<b>Total-</b>	<b>100</b>		
4	Malkangiri	Singalbanchha	20	18.545799	82.176550
		Ranginiguda	20	18.305283	82.160568
		Tumapadar	20	18.335152	82.160912
		Batanwada	20	18.21364	81.535690
		Kamarguda	10	18.126978	82.124609
		Rajukonda	10	18.112500	82.104170
		<b>Total-</b>	<b>100</b>		
		<b>Circle Total-</b>	<b>400</b>		
		<b>GRAND Total -</b>	<b>2000</b>		

## Annexure III-VII

### Site-wise details of ANR (2nd Year maintenance)

2nd Year Maintenance of ANR Plantation @ 200 Plant/Ha Rs.7871 as per wage rate Rs.298/- per day

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	Longitude
<b>Angul Circle</b>					
1	Angul	Antulia Tabada- 6	100	20.80516	84.852
		Devinagar PRF	50	21.00653	84.8252
		Simlipathar RF-1	50	20.58376	84.4827
		Katada RF Comptt-1	50	20.89192	84.7904
		Bramhanbil RF	50	21.03829	84.95328
		Kanheijena RF	100	21.05963	85.10243
		Pathuria Petachira RF	100	20.99305	85.19903
		<b>Total-</b>	<b>500</b>		
2	Athmalik	Kusumkuhuri RF Compt. No.1	50	20 39 15.8	84 40 19.3
		<b>Total-</b>	<b>50</b>		
3	Dhenkanal	Korian RF	50	N-20°40'49.6"	E-85° 33' 15.5"
		Bega RF	25	N-20° 46' 19.39"	E-85° 57' 59.83"
		Lahada B RF	50	N-20° 45' 06.87"	E-85° 50' 34.84"
		Maulabhanja RF	50	N-20° 55'-48.2"	E-85° 40' 32.8"
		Anantapur RF	50	N-21° 00' 18.8"	E-85° 27' 13.0"
		Suniamaru RF	100	N-20° 53' 14.7"	E-85° 32' 43.8"
		Dolia RF	50	N-21-06- 11.6	E-85-24-53.6
		Kandhara RF	50	N-20°-35' 55.1"	E-85° 13' 11.1"
		Koi R.F.	75	N- 20° 39' 14.1"	E- 85° 10' 41.2"
		<b>Total-</b>	<b>500</b>		
4	Athgarh	Kumaranga RF	100	N 20 24 34.5	E 85 27 04.8
		Talachandragiri RF, C/1	100	N 20 28 04.0	E 85 12 59.4
		Khalakhala RF	100	N 20 30 01.0	E 85 43 27.1
		Adala RF	100	N 20 34 08.5	E 85 40 00.3
		Deobhuin RF, C/1	50	N 20 33 46.1	E 85 08 44.0
		Deobhuin RF, C/9	50	N 20 31 19.9	E 85 12 32.3
				<b>Total-</b>	<b>500</b>
5	Cuttack	Inside Karanji PRF	100	20 40 4.12	85 54 36.42
		Kamarda	100	21 03 23.83	85 50 08.95
		Rathapada	100	21 04 51.16	85 58 58.41
		Deulakana	100	21 05 24.13	85 58 20.38
		Pitajhar	100	21 03 23.98	85 57 41.95
		<b>Total</b>	<b>500</b>		
		<b>Circle Total-</b>	<b>2050</b>		
<b>Bhubaneswar Circle</b>					
1	Khurda	Patia RF, C/5	100	19-56-41.47	85-17-48.99
		Mandalasingh DPF	100	20-12-21	85-16-05
		Sandha DPF	100	19-53-35.1	85-12-15.2
		Bankad RF, C/4	100	19-51-22.78	85-05-0.02
		Mal RF, C/6	50	19-59-47	85-15-25

		Mal RF, C/14	50	19-57-29.5	85-10-15.3
		<b>Total-</b>	<b>500</b>		
2	Nayagarh	Hatimunda RF C/10	100	N - 20 14 17.51	E - 85 06 55.98
		Sulia RF	50	N - 20 07 20.40	E - 84 58 46.00
		Palva RF	50	N - 20 09 34.80	E - 84 55 32.90
		Hatimunda RF	50	N - 20 17 16.40	E - 84 57 58.70
		Pokharigochha RF C/5	50	N - 20 16 59.17	E - 84 47 15.11
		Guriabari RF	50	N - 20 20 07.90	E - 85 05 29.00
		Gochha RF	50	N - 19 58 18.96	E - 84 59 03.24
		Gochha RF C/18	50	N - 19 56 11.23	E - 84 57 34.56
		Makarapalli PRF	50	N - 20 04 28.36	E - 84 49 04.68
		<b>Total-</b>	<b>500</b>		
4	Chilika WL	Pitaisal PRF	100	N-19°29' 25.58"	E-85°11'54.55"
		Jhinkaria DPF	50	N-19°27' 31.55"	E-85°06'31.32"
		Nandighar DPF	50	N-19°28' 55.55"	E-85°06'58.33"
		<b>Total-</b>	<b>200</b>		
5	Puri WL (@600 Plant/Ha.)	Balukhanda-Konark wildlife sanctuary	400	19 49 38.5	85.56 36.6
		<b>Total-</b>	<b>400</b>		
		<b>Circle Total-</b>	<b>1600</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Dindragaon	100	20 21 58.4	84 08 58.2
		Katimaska	100	20 31 44.1	83 51 17.4
		Pandrisuga	100	20 25 17.3	84 23 19.8
		Panganaju	100	20 12 44.61	84 18 59.51
		Gundabaju	100	20 05 15.1	84 24 03.8
		Padangi	100	20 10 56.5	84 10 48.6
		Penagoberi	100	20 10 15.5	84 15 48.7
		Mallicksahi	100	20 31 31.4	84 18 50.0
		<b>Total-</b>	<b>800</b>		
2	Baliguda	Subarnagiri	200	N-19-53-06.9	E-83-47-47.6
		Rusimal RF	100	N-19-41-22.08	E-84-10-49.24
		Katingia APRF	100	N-19-40-56.8	E-84-09-46.57
		Karjandi	100	N-20-00-17.7	E-83-33-19.54
		Serchengeda	100	N-19-59-52.56	E-83-30-8.27
		Mundimaska	100	N-19-54-02.4	E-83-32-43.1
		Tumudibandha	100	N-19-57-55.6	E-83-42-04.5
		<b>Total-</b>	<b>800</b>		
3	Boudh	Bankamundi R.F C/3	100	N20 40 00.71	E84 20 24.73
		Panchara RF, Compt. No. 3	50	N20 43 13.09	E84 02 25.2
		Penajore RF, Compt. No. 5	50	N20 38 09.5	E83 59 34.4
		Aragarh RF C/6	50	N20 38 36.21	E84 31 44.42
		Arakhpadar RF C/4	100	N20 33 57.4	E84 37 59.0
		Padhel RF Compt. No. 4	50	N20 30 24.0	E83 46 54.4
		Padhel RF Compt. No. 5	50	N20 29 41.0	E83 46 55.8
		Putputigarh RF Compt. No. 5	50	N20 39 47.02	E83 48 06.53
		<b>Total-</b>	<b>500</b>		
4	GH. North	Gallery RF C/5	50	N 20 59 32.0	E 84 32 23.5
		Gallery RF C/6	50	N 19 57 29.6	E 84 32 42.1

		Gallery RF C/7	50	N 19 59 33.0	E 84 33 34.0
		Gallery RF C/8	50	N 19 59 50.6	E 84 34 32.1
		Gallery RF C/15	50	N 20 01 30.5	E 84 33 09.2
		Gallery RF C/17	50	N 19 95 81.34	E 84 57 11.92
		Kaliamba RF C/5	50	N 19 51 33.6	E 84 35 08.4
		Kaliamba RF C/6	50	N 19 52 29.2	E 84 34 24.2
		Kaliamba RF C/4	50	N 19 50 50.7	E 84 33 30.2
		Kaliamba RF C/2	50	N 19 52 11.7	E 84 31 11.0
		<b>Total-</b>	<b>500</b>		
5	Gh. South	Nagiri RF	100	84.731	19.87272
		Kiriamba RF, Compt. No. 10	100	84.84749	19.83756
		Sodaka 'A' DPF near Sodaka Village	100	84 46 29.8 84 46 28.5	19 44 19.0 19 44 15.4
		Sodaka 'A' DPF	100	84 46 43.64	19 44 31.20
		Sakatapalli in Mundapita RF, Comptt. No.2	100	84 21 16.9	19 44 58.6
		<b>Total-</b>	<b>500</b>		
6	Berhampur	Baniamari RF	100	N19 13 17.0	E84 41 30.8
		Ramaguda RF	100	N19 16 14.4	E84 40 17.2
		Ramaguda RF	100	N19 17 10.2	E84 41 40.0
		Baniamari RF	100	N19 15 03.6	E84 40 13.4
		Babool PRF	50	N19 34 00.7	E85 01 57.8
		Bhallery PRF	50	N19 41 02.2	E85 09 50.7
		<b>Total-</b>	<b>500</b>		
7	Paralakhemundi	ORA RF near Champa Ghati	50	N 19 17 48.3	E 84 20 42.0
		N.Jhalarsingi (Chapulikirama UDPF)	50	N 19 14 28.8	E 84 04 42.6
		Surangi (Sargi Sahi PRF)	50	N 19 03 38.2	E 84 05 36.6
		Tabarada UDPF	50	N 19 04 57.5	E 84 05 52.3
		Atarasing (Manikapur UDPF)	50	N 19 05 45.6	E 84 09 31.4
		Palapur Keredango UDPF	50	N 19 09 17.5	E 84 00 02.1
		Gopalapur	50	N 19 00 63.09	E 84 16 33. 22
		Bhaliasahi	50	N 19 01 38.6	E 84 15 5.73
		Balipur	50	N 18 95 28.1	E 84 16 41.9
		Lorha	50	N 18 93 9.09	E 84 16 06.2
		Krushnapur	50	N 18 91 00.5	E 84 15 90.83
		Gramteli	150	N 18 89 89.7	E 84 17 6.9
		Maringi	100	N 18 81 0.6	E 84 33 0.6
		<b>Total-</b>	<b>800</b>		
		<b>Circle Total-</b>	<b>4400</b>		
<b>Sambalpur Circle</b>					
1	Jharsuguda	Ghagdurngri RF	100	N-21-59-43.78	E-84-22-11.10
		Banrai-A-PRF	100	N-22-00-36.40	E-84-18-04.68
		Pitamal PRF	100	N-21-57-09.12	E-84-08-23.41
		Lamdungri PRF	50	N-21-54-48.23	E-84-20-50.51
		Lariapali DPF	50	N-21-46-01.23	E-84-17-04.96
		Badkhalia PRF	50	N-21-50-13.28	E-84-09-26.2
		Mahulmunda PRF	50	N-21-50-20.3	E-84-06-22.1
		<b>Total-</b>	<b>500</b>		
2	Sambalpur	Dumerchuan-Mundher RF	150	N 21 20 23.1	E 84 04 50.6

		Jaduloisingh-Gunjaghar RF	50	N 21 17 52.57	E 84 00 41.24
		Dumerchuan-Mundher RF	50	N 21 23 17.31	E 84 02 24.56
		Ghichamura Phuljhar RF	100	N 21 41 40.4	E 84 5 49.2
		Chhamunda RF	50	N 21.32.040	E 84.17.604
		Parsalikhaman RF	100	N 21.35.095	E 84.34.532
		<b>Total-</b>	<b>500</b>		
3	Rairakhol	Kholgarh R.F	50	21 05 25.91	84 21 55.35
		Kholgarh R.F	50	21 06 20.76	84 18 27.49
		Kholgarh R.F	100	21 04 41.24	84 19 32.29
		Hatidhara R.F	100	21 05 15.9	84 25 25.8
		Landakote RF	50	21 20 14.68	84 18 35.54
		Landakote RF	50	21 19 38.15	84 28 57.13
		Landakote RF	100	21 15 12.68	84 20 57.95
		<b>Total-</b>	<b>500</b>		
4	Bargarh	SDBR RF	50	N-21-29-7.7	E-83-21-15.6
		Dechuan RF	50	N-21-38-44.06	E-83-34-30.05
		Maleikhaman RF	50	N-21-13-04.4	E-83-14-52.4
		Gandhamardan PRF	50	N-20-46-50.0	E-82-44-51.7
		<b>Total-</b>	<b>200</b>		
5	Bamara WL	Kahapani KF	25	22 2 41.19	84 18 48.61
		Rabandihi PRF	20	22 4 14	84 17 47
		Dahamunda KF	30	22 5 25.37	84 19 48.47
		Kinabaga B DPF	40	21 57 44.56	84 30 40.44
		Pravasuni RF	30	21 40 7.7	84 24 10
		Khajuria RF	20	21 40 12.1	84 28 51.6
		Chelkothi KF	10	21 36 33.8	84 20 25.33
		Sauntimal PRF	10	21 33 47.93	84 23 15.83
		Addl Kansar RF	10	21 50 52.8	84 38 51.4
		Budhikuten PRF	30	21 30 49.2	84 12 57.3
		Kisinda PRF	10	21 20 37	84 20 41.9
		Uradei KF	50	21 19 7.69	84 24 32.47
		Asandahala KF	50	21 19 23.5	84 26 4.2
		Balasinga KF	15	21 18 4	84 29 28.1
		Chandrapur KF	50	21 17 53.1	84 33 42
		<b>Total-</b>	<b>400</b>		
		<b>Circle Total-</b>	<b>2100</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Peruabhadi RF	50	N22 14 39.10	E84 07 38.88
		Kusumura RF	150	N22 16 19.6	E83 59 11.1
		Dhangergudi RF (I)	100	N-22-13-59.07	E-83-45-24.43
		Rohini RF	100	N21 50 59.1	E83 41 29.8
		Sisoopahad RF	100	N21 55 36.8	E83 50 27.3
		<b>Total-</b>	<b>500</b>		
2	Rourkela	S. Champajharan	150	22 08 09.96	84 45 52.39
		Dhumagada	100	22 22 45.5	84 50 18.2
		Chatam	150	22 05 23.2	84 34 54.9
		Kucheita	50	22 04 32.2	84 54 30.5
		Jharbeda	50	22 03 10.4	85 00 47.2
		<b>Total-</b>	<b>500</b>		
3	Bonai	Balia RF	100	22 0 53	84 36 23
		Amrudhi RF	20	21 21 9.5	85 2 25.6

		Sialikudar (Lunga RF)	20	21 39 30.63	85 1 58.37
		Sulabhadihi (Lunga RF)	20	21 43 20.43	85 2 54.21
		Sanjala (Lunga RF)	20	21 44 57.49	85 4 3.31
		Budhabhuin (Khandadhar PRF)	20	21 36 5.83	85 8 24.63
		Ulsura RF	100	21 46 2	84 41 25.21
		Balia RF	100	21 44 36.2	84 41 20
		Toda RF	100	21 55 36.9	85 10 16.8
		<b>Total-</b>	<b>500</b>		
4	Deogarh	Pravasuni RF	100	21 31 7.4	84 33 15.3
		Pradhanpat RF	200	21 33 39.2	84 48 8.86
		Mandasila RF	100	N21 39 42.91	E84 48 52.02
		Badataila RF	100	N 21 35 10.17	E84 54 32.00
		<b>Total-</b>	<b>500</b>		
5	Keonjhar	Atei RF – Ghatagaon	150	21-23-23	85-54-21
		Baunsuli RF – Khireitangiri	100	21-44-14.1	85-43-52.6
		Nalapanga RF	50	21-26-30.74	85-40-35.55
		Naranpur RF	50	21-32-39.86	85-37-56.47
		Basantapur RF	50	21-31-35-17	85-39-27.67
		Raghunathpur RF	50	21-36-29.36	85-42-8.91
		Jadipada RF	50	21-45-30.03	85-38-20.88
		<b>Total-</b>	<b>500</b>		
		<b>Circle Total-</b>	<b>2500</b>		
<b>Baripada Circle</b>					
1	Baripada	Durgapur RF	50	N21.82776	E86.87798
		Dalki RF	50	N21.67518	E86.84902
		Kuliana RF	50	N22 5 17.88	E86 40 38.79
		Chandua RF	100	N22 05 36.0	E86 44 06.9
		Suliapada RF-III	50	N22 02 34.8	E86 57 49.0
		Suliapada RF-I	50	N22 01 02.9	E86 58
		Dhaundia RF	50	N21 37 21.0	E86 46 36.0
		Udala RF	50	N21 35 10.9	E86 35 14.5
		Kuamara RF	50	N21 38 22.5	E86 43 14.7
		<b>Total-</b>	<b>500</b>		
2	Karanjia	Satkosia RF	100	21 19 40.6	86 10 50.1
		Taramara RF	100	21 27 45.8	86 8 51.1
		Baunsdiha RF	50	21 31 9.9	86 6 35.1
		Banamunda RF	50	21 26 50.6	86 14 50.5
		Kendumundi RF – II	25	21 39 44.4	86 7 10.2
		Bisipur RF-I`	25	21 43 29.4	86 6 33.4
		Purunapani-RF	50	21 35 36.6	86 6 4.4
		Sanbodposi Rf	50	21 48 17.5	86 56 43.3
		Panpataria RF	50	22 1 53.2	85 43 28.6
		<b>Total-</b>	<b>500</b>		
		Manbir R.F.	50	22 14 40.8	85 59 08.3
		<b>Total-</b>	<b>50</b>		
4	Keonjhar WL	Atei RF	120	21 <sup>0</sup> 16' 49.68"	85 <sup>0</sup> 59' 52.08"
		Baranga RF	50	21 <sup>0</sup> 02' 20.97"	86 <sup>0</sup> 04' 13.05"
		Rebana RF	30	21 <sup>0</sup> 15' 52.00"	85 <sup>0</sup> 38' 12.00"
				21 <sup>0</sup> 17' 39.00"	85 <sup>0</sup> 39' 42.00"
		Palaspal RF	250	21° 14' 50.015"	85° 46' 12.106"



		Rebana RF	20	21° 13' 44.834"	85° 50' 26.514"
		Rebana RF	30	21° 13' 56.309"	85° 49' 59.593"
		<b>Total-</b>	<b>500</b>		
		<b>Circle Total-</b>	<b>1550</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Dakibundel	100	19°49'4.57"N	83° 6'8.76"E
		Pattola	100	19°52'47.69"N	83° 5'4.83"E
		Sinjhran	100	19°54'23.10"N	83° 6'5.54"E
		Karlapada	200	20° 5'50.40"N	83° 6'19.11"E
		Mundagaon	100	N20 01 13.4	E83 27 41.9
		Nuagaon	100	20 03 42.8	82 56 33.8
		Salegaon	100	20.1304	82.97044
		<b>Total-</b>	<b>800</b>		
2	Kalahandi South	Sahajkhol RF	200	19 44 51.7	83 36 34.8
		Sahajkhol RF	300	19 39 10.1	82 35 31.3
		Sahajkhol RF	100	19 33 56.7	82 37 10.0
		Udayagiri R.F	100	19 26 28.9	82 52 34.2
		Roul RF	100	19.73479	83.32697
		<b>Total-</b>	<b>800</b>		
3	Subarnapur	Goudgad R.F.(A)	100	N21 02 29.96	E84 03 37.47
		Chohatakhol	100	N20 54 38.50	E83 38 45.06
		Ranisarda	100	N20 51 34.66	E83 36 33.30
		Radhiapali	100	N20 56 42.27	E83 58 26.42
		Harinapali	100	N20 58 22.68	E83 56 41.88
		<b>Total-</b>	<b>500</b>		
4	Bolangir	Bender Beat (Bender -I)	50	N20 41 17.7	E82 48 26.9
		Dhaurakhaman Beat (Bender-II)	50	N20 37 22.5	E82 51 37.6
		Karlakhutna Beat (Bender-I)	50	N20 42 22.0	E82 50 49.0
		Rengali Beat (Bender-II)	50	N20 38 09.3	E82 94 33.0
		Muribahal, Muribahal Range	100	N 20 23 57.1	E83 01 47.4
		Bhalukund, Patnagarh Range	50	N20 35 20.4	E83 11 15.0
		Godaramunda, Patnagarh Range	50	N20 35 00.0	E83 08 07.5
		Barghati RF, Saintala Range	100	N20 31 29.2	E83 21 12.3
		<b>Total-</b>	<b>500</b>		
5	Khariar	SIALLATI INSIDE GHATI PRF	100	N 20 46 45.4"	E 82 34 58.7"
		Darlimunda VF	100	N20 49 49.2	E082 37 05.9
		Dongargaon	100	N20.07924	E082.48011
		Patialpada	100	N20 08 41.0	E082 41 36.88
		Ghantiguda	100	N20 04 26.14	E082 40 45 .03
		Gandabahali	100	N20 08 56.9	E082 41 41.16
		Gobindpur	200	N20 09 59.8	E082 31 29.01
		<b>Total-</b>	<b>800</b>		
		<b>Circle Total-</b>	<b>3400</b>		
<b>Koraput Circle</b>					
1	Rayagada	Gumma RF	100	19.174417	83.264861
		Mirabali RF	100	19.073858	83.526778
		Baridi RF	100	19.019803	83.744490
		Bangi RF	100	19.711173	83.689842

		Thatuni RF	100	19.475879	83.820154
		<b>Total-</b>	<b>500</b>		
2	Koraput	Chanabada	120	N18.97714	E82.93897
		Ramjee	180	N18.95795	E82.96616
		Padua	100	N18.37017	E82.69036
		Jabagada	50	N18.463837	E82.554692
		Nakulapadar	50	N18.68347	E82.54814
		<b>Total-</b>	<b>500</b>		
3	Jeypore	Chipakur	50	18.1650	82.1547
		Majhiguda	50	18.4648	82.1500
		Rupabeda	50	18.5005	82.1448
		Nuaguda (Gajalabadi)	50	18.3500	82.7250
		Dhoudapadar	50	18.3567	82.7210
		Ghatgumar	50	18.5018	82.3641
		Sundhiguda	50	18.5231	82.3653
		Raniguda	50	19.0151	82.2133
		Asana ( Sindhigaon PRF)	100	18.5942	82.2871
		<b>Total-</b>	<b>500</b>		
4	Nabarangpur	Jagannathpur RF	100	N19.18762	E82.76310
		Torenga RF(Isarguda)	50	19.479528	82.118000
		Singisari RF (Mudiguda)	50	19.490833	82.198917
		Saitipadar (Podagad RF)	50	19.567972	82.176000
		Hatigam RF (Binayapur)	100	N19.99678	E82.13581
		Hatigam RF( Rengabhatti )	50	N19.96414	E82.06711
		Hatigam RF(Hatigam)	50	N20.00317	E82.05364
		Hatigam RF(Maripara)	50	N19.99086	E82.02756
		<b>Total-</b>	<b>500</b>		
5	Malakangiri	Badapadar	20	18.1025	82.16972
		Arnabhata	20	18.138539	82.265154
		Kamarguda	20	18.119783	82.099609
		Kamalapadar	20	18.039	81.97758
		Maliguda	20	18.11377	82.27621
		Laxmipur	40	18.07815	82.03604
		Palam	30	18.11389	82.070
		Rampur	30	18.419083	81.895404
		Similibancha	50	18.09544	81.55514
		Iralgundi	25	18.21304	81.74429
		Phagurkonda	25	18.21304	81.74429
		Kotaguda	40	17.82500	81.39499
		Tadimetla	30	17.88458	81.45517
		Kattanpalli	30	17.98895	81.52664
		Polluru	50	17.89698	81.66465
		Malavaram	50	17.88396	81.56534
		<b>Total-</b>	<b>500</b>		
		<b>Circle Total-</b>	<b>2500</b>		
		<b>Grand Total-</b>	<b>20100</b>		

### Annexure-III -VIII

#### Site-wise details of Bamboo Plantation (2nd Year maintenance)

2nd Year Maintenance of Bamboo Plantation @ 400/plant/Ha Rs.20277 as per wage rate Rs.298/- per day

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Angul	Arisulia Sulia RF	30	20.89406	84.8925
		Bogpal RF	20	20.713447	84.99853
		Badakathia RF	20	21.00352	84.98897
		<b>Total-</b>	<b>70</b>		
2	Athgarh	Bramhanabasta RF C/1	40	N 20 31 38.6	E 85 45 37.4
		Deulia RF	30	N 20 34 44.3	E 85 42 55.9
		<b>Total-</b>	<b>70</b>		
3	Dhenkanal	Koi RF	70	N-20° 38' 45.2	E-85° 15' 09.7
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>210</b>		
<b>Bhubaneswar Circle</b>					
2	Nayagarh	Sapua RF	15	N - 20 13 40.46	E - 85 07 29.25
		Panchupandab RF C/2	20	N - 20 12 06.00	E - 84 57 55.50
		Guriabari RF	20	N - 20 20 29.50	E - 85 04 56.30
		Gayalasingh RF	15	N - 20 58 34.68	E - 84 58 59.65
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>70</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Gandagam	20	20 16 22.3	84 15 14.9
		Galesuga	50	20 21 31.3	84 04 55.7
		<b>Total-</b>	<b>70</b>		
2	Baliguda	Guma N DPF	20	N-19-53-43.6	E-83-38-8.5
		Subarnagiri	20	N-19-53-06.9	E-83-47-47.6
		Surangabaru	15	N-19-58-34.8	E-83-34-0.62
		Udayagiri	15	N-20-00-48.8	E-83-37-08.8
		<b>Total-</b>	<b>70</b>		
3	Boudh	Jamukhol R.F C/6	10	N20 36 34.85	E84 15 18.81
		Arakhapadar RF C/7	15	N20 35 38.2	E84 36 35.6
		Subarnagiri RF C/10	15	N20 36 17.9	E84 06 40.7
		Hatidhara RF C/6	15	N20 26 21.1	E84 39 03.0
		Padhel RF C/6	15	N20 29 15.3	E83 47 23.5
		<b>Total-</b>	<b>70</b>		
4	Gh. South	Kiriamba RF Comtt. No.7 in Buguda Range	<b>70</b>	84 55 36.9	19 50 58.8

		<b>Total-</b>	<b>70</b>		
5	Gh. North	Baibali RF C/7	35	N 20 00 12.1	E 84 27 21.6
		JP RF C/7	35	N 20 02 10.5	E 84 43 40.6
		<b>Total-</b>	<b>70</b>		
6	Berhampur		<b>60</b>		
7	Paralakhemundi	Naikaniamba Chandragiri RF	10	N 19 18 59.1	E 84 17 46.8
		Satabahada Chandragiri RF	15	N 19 17 16.5	E 84 17 00.1
		Kharipani Chandragiri RF	20	N 19 21 16.6	E 84 20 43.3
		Kaluamba Chandragiri RF	15	N 19 20 30.3	E 84 19 14.7
		Hatipanipia Nala Chandragiri RF	10	N 19 21 29.4	E 84 20 00.2
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>480</b>		
<b>Sambalpur Circle</b>					
1	Jharsuguda	Lariapali DPF	20	N-21-47-22.72	E-84-16-30.85
		Gourpanpali	40	N-21-55-11.27	E-84-07-84.07
		<b>Total-</b>	<b>60</b>		
2	Sambalpur	Ghichamura-Jarmal RF	35	N 21 43 0.60	E 84 06 56.4
		Dumerchuan-Mundher RF	35	N 21 23 0.50	E 84 03 50.0
		<b>Total-</b>	<b>70</b>		
3	Rairakhol	Rahan RF	20	20 57 11.33	84 15 15.48
		Rahan RF	20	20 57 19.00	84 15 05.0
		Hatidhara RF	30	21 07 22.90	84 27 27.02
		<b>Total-</b>	<b>70</b>		
4	Bargarh	Dechuan RF	20	N-21-36-25.1	E-83-30-26.5
		Jhanjpahad PRF	40	N-21-05-46.7	E-83-03-46.1
		<b>Total-</b>	<b>60</b>		
5	Bamara WL	Lamra PRF	20	21 39 5.31	84 19 2.75
		Kumbhiachua	10	21 35 54.4	84 19 55.1
		Gudguda PRF	40	21 28 6.24	84 12 39.24
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>330</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Garjanpahad RF	40	N-21-59-22.3	E-83-40-15.6
		Dhanubauns RF	30	N-21-59-08.2	E-83-32-54.7
		<b>Total-</b>	<b>70</b>		
2	Bonai	Lunga RF	70	21 43 21.43	85 2 55.21
		<b>Total-</b>	<b>70</b>		
3	Deogarh	Jalipada KF	25	N 21 33 12.5	E 85 12 54.3
		Badtaila RF	25	N21 36 22.8	E84 50 00.7
		Chilantikhol PRF	20	N 21 36 10.2	E 84 37 46.3
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>210</b>		

Bhawanipatna Circle					
1	Kalahandi North	Taparang RF	70	N20 10 16.0	E83 35 47.0
		<b>Total-</b>	<b>70</b>		
2	Kalahandi South	Sargiguda RF	20	N 19 58 21.8	E 83 23 18.7
		Karli PRF	50	N 19 44 41.0	E 82 57 48.4
		<b>Total-</b>	<b>70</b>		
3	Subarnapur	Kumbharmunda R.F.	35	N20 36 30.58	E83 38 08.05
		Tithipali R.F.	35	N20 35 12.13	E83 37 03.90
		<b>Total-</b>	<b>70</b>		
4	Bolangir	Kusa RF, Saindala Range	35	N20 31 33.76	E83 14 33.46
		Barghati RF, Saindala Range	35	N20 30 44.61	E83 23 14.81
		<b>Total-</b>	<b>70</b>		
5	Khariar	Patdarha PRF-Chitarama	30	N 20 07 15.3	E 82 25 30.2
		Chereipani PRF-Ghantiguda	10	N 20 05 31.0	E 82 42 11.0
		Dharamsagar'C'- Palsipani	30	N 20.42064	E 82.69869
		<b>Total-</b>	<b>70</b>		
		<b>Circle Total-</b>	<b>350</b>		
Koraput Circle					
1	Rayagada	Kodupadu RF	10	19.156493	83.278748
		Pandrapada	10	19.462475	83.261208
		Gokulmunda	10	19.176851	83.081358
		Royalghati, Dangasorada PRF	15	19.623722	83.615139
		Pedakonda RF	15	19.078778	83.836024
		Dumulapadar, Nuagada DPF	10	19.385228	83.982156
			<b>Total-</b>	<b>70</b>	
2	Koraput	Mathalamba	10	N18.996000	E83.169833
		Bejuguda	20	N18.88915	E83.09924
		Majaguda	20	N18.46570	E82.99890
		Gunjiaguda	10	N18.2120	E82.4353
		Ambapada	10	N18.539012	E82.501922
			<b>Total-</b>	<b>70</b>	
3	Jeypore	Mandra	50	19.0811	82.4849
		Tallur	10	18.5333	82.3820
		Totapada	10	18.364761	82.28484
			<b>Total-</b>	<b>70</b>	
4	Malkangiri	Ranginiguda	25	18.305283	82.160568
		Jakalgundi	20	18.01088	81.72073
		Kamalapadar	25	18.109645	82.246349
			<b>Total-</b>	<b>70</b>	
		<b>Circle Total-</b>	<b>280</b>		
		<b>Grand Total-</b>	<b>1930</b>		

## Annexure III-IX

### Site-wise details of ANR (3<sup>rd</sup> Year maintenance)

3rd Year Maintenance of ANR Plantation @ 200 Plant/Ha Rs.3339 as per wage rate Rs.298/- per day

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Angul	Balanga RF-1	100	20.710722	84.966611
		Balanga RF-8 &9	100	20.668944	85.022417
		Katada RF-1	100	20.883083	84.786860
		Katada RF-7	100	20.877528	84.805560
		Roadsingha PRF	50	20.952534	84.832930
		Simlipahar 2 & 3	50	20.843390	84.813250
		Durgapur RF	150	20.943920	84.940220
		Bramhanabill RF	50	21.075610	84.882500
		Chhendipada RF	50	21.038600	84.961300
		Dangapal PRF	50	21.141560	84.752400
		Nisha RF	70	20.920250	85.033778
		Kulasigha PRF	64	20.774800	84.979622
		Buruti PRF	16	20.754428	84.884322
		Rabipur RF	200	21.020139	85.073167
		Sibrampur RF	100	21.030139	85.119278
		Santrabandha KF	35	21.089694	84.958528
		Kiajhar KF	55	21.146439	85.079078
		Budiha RF	60	21.222139	85.099444
Sadarakhhol RF	100	21.276694	84.950000		
		<b>Total-</b>	<b>1500</b>		
2	Athmallik	Kusumkuhuri RF Compt. No.2&3	150	N 20 53 18.	E 84 45 54.5
		Dantarikhhol RF Compt. No.5	100	N 20 54 1.1	E 84 46 31.2
		Nuagaon RF Compt. No.4 & 5	150	N 20 49 36.5	E 84 26 10.6
		Nuagaon RF Compt. No.3100	100	N 20 49 46.9	E 84 26 9.5
		<b>Total-</b>	<b>500</b>		
3	Dhenkanal	Megha RF	150	N-20°39'37.99"	E-85°37'50.81"
		Kotaberena RF	150	N-20°36'12.10"	E-85°24'54.15"
		Sulia RF	50	N-20°31'34.35"	E-85°26'18.91"
		Patapuri RF	37	N-20°37'35.03"	E-85°39'22.49"
		Majuria RF	63	N-20°37'11.42"	E-85°34'8.35"
		Saptasajya RF	50	N-20°33'52.40"	E-85°34'27.70"
		Bampa RF near Buhalipal	200	N20-39-10.0	E85-22-30.6
		Bampa RF near Santilol	200	N-20-40-35.5	E-85-23-08.5
		Kandhara RF Compt. No. 5	200	N-20-35-47.7	E-85-13-35.4
		Aswakhola RF	300	N-20-50-25.365	E-85-45-29.00
		Bega RF	100	N-20-46-11.0	E-85-57-59.8
		Khankira RF	100	N-20-44-34.2	E-85-56-25.1
		Gondia RF	100	N-20-44-43.4	E-85-51-1.08
		Lahada (A)RF	100	N-20-48-39.10	E-85-50-04.07

			N-20-46-38.1	E-85-53-18.5	
		Ramei RF Compt.No.2	50	N-20-42-09.3	E-85-47-16.6
		Maulabhanja RF	150	20°-55'-40.9"	85°-40'-22.5"
		Sunajhari RF Compt. 1 & 3	300	20-49-19.20	85-33-37.58
		Sundarakhola RF	300	20-53-16	85-28-46.2
		Kankili RF	200	20-51 25	85-25-24.5
		Anantapur RF Compt.32	100	21-00-49.4	85-22-42.5
		Tipilei RF	100	20-54-50.7	85-42-17.3
		<b>Total-</b>	<b>3000</b>		
4	Athgarh	Deobhuin RF, Compt. No. 5	50	N 20 30 13.10	E 85 09 85.50
		Deobhuin RF, Compt. No. 8	50	N 20 31 27.20	E 85 09 04.20
		Deobhuin RF, Compt. No. 10	150	N 20 31 55.00	E 85 09 36.70
		Deobhuin RF, Compt. No. 2	100	N 20 33 14.80	E 85 08 21.70
		Deobhuin RF, Compt. No. 9	50	N 20 32 42.85	E 85 10 28.80
		Deobhuin RF, Compt. No. 12	50	N 20 31 33.90	E 85 11 02.60
		Deobhuin RF, Compt. No. 16	100	N 20 34 30.10	E 85 11 46.50
		Talachandragiri R.F	50	N 20 28 05.90	E 85 12 02.40
		Chandragiri R.F, Compt. No. 3	50	N 20 28 53.40	E 85 12 21.30
		Karada RF, Compt. No. 1	50	N 20 28 02.5	E - 85 23 21.5
		Karada RF, Compt. No. 2	50	N 20 28 05.4	E 85 22 51.4
		Belapada RF	50	N 20 24 19.3	E 85 24 33.9
		Talachandragiri RF, Compt. No.1	50	N 20 27 56.1	E 85 14 58.2
		Haladaseni RF, Compt. No. 4	100	N 20 29 04.9	E 85 19 53.5
		Baudabanakhandi RF	100	N 20 28 51.5	E 85 40 00.6
		Kalichaballav R.F	150	N 20 29 52.5	E 85 29 00.6
		Sorisapala RF	50	N 20 30 01.3	E 85 31 37.3
		Sukasana RF	150	N 20 28 26.6	E 85 40 59.1
		Subasi RF	100	N 20 31 57.5	E 85 44 33.4
		Adala RF	100	N 20 33 16.2	E 85 40 11.5
		Khalakhala RF	100	N 20 29 55.3	E 85 42 55.0
		Ranibania RF, Compt. No. 4	50	N 20 35 12.2	E 85 42 48.0
		Baniabandha RF, Compt. No. 9	100	N 20 38 50.0	E 85 48 27.6
		Baniabandha RF, Compt. No. 12	100	N 20 37 11.8	E 85 47 24.1
		<b>Total-</b>	<b>1950</b>		
5	Cuttack	Janakijhar inside Dalijora RF	100	N 20 38 22.9	E 85 50 06.5
		Inside Pachhikote DPF	50	N 20 37 40.8	E 85 51 35.0
		Dahikhia inside Dalijora RF	25	N 20 38 12.0	E 85 53 39.9
		Ambilijhari PRF	100	N 20 36 39.2	E 85 59 38.2
		Kaliamba PRF	100	N 20 41 15.4	E 85 58 41.5
		Daitari DPF	1575	N 21 06 36.9	E 85 44 0.5
		<b>Total-</b>	<b>1950</b>		
<b>Bhubaneswar Circle</b>					
1	Khurda	Barunei RF	100	20-09-28.5	85-37-43.0
		Rameswar DPF	50	20-00-03.9	85-30-19.8
		Naragoda DPF	50	20-03-3.1	85-26-47.6
		Sulia RF	50	19-54-12.6	85-16-48.6
		Badapari DPF	50	19-56-47.8	85-22-16.7
		Kuhudi RF	50	19-54-36.5	85-19-09.7
		Rajin RF, C/18	50	19-53-13.2	84-59-14.8
		Rajin RF, C/13	50	19-49-27.6	84-59-46.5

		Tamana RF, C/13	50	19-54-08.6	85-05-29.6
		Jharan DPF	50	19-50-14.0	85-05-39.5
		Naraganga PF	100	20-17-51.0	85-27-50.7
		Dhani South RF	50	19-57-38.3	85-19-27.4
		Maninag RF	50	20-02-24.4	85-16-48.4
		Sulia 'B' RF	50	20-07-34.1	85-18-53.2
		Champagarh RF	50	19-58-46.1	85-26-07.9
		Mal RF, C/9	50	20-00-26.0	85-14-18.9
		Mal RF, C/17	50	19-56-02.6	85-08-59.5
		Mal RF, C/32	50	19-57-54.2	85-14-01.3
		<b>Total-</b>	<b>1000</b>		
2	Nayagarh	Sulia RF C/3	100	N-20 07 31.60	E-85 01 01.40
		Hatimunda RF C/9	100	N-20 13 11.50	E-85 04 04.80
		Hatimunda RF C/8	300	N-20 13 54.70	E-85 04 08.60
		Hatimunda RF C/5	300	N-20 12 45.40	E-85 02 10.26
		Balaram RF	70	N-20 09 02.30	E-85 05 58.40
		Ragadimada RF C/1 near Kusumagadia	100	N-20 11 29.60	E-84 49 50.40
		Ragadimada RF C/1 near Dimiripalli	50	N-20 11 23.50	E-84 50 07.00
		Ragadimada Rf C/1 near Khalamba	100	N-20 11 23.10	E-84 50 40.70
		Palva RF C/8	50	N-20 08 53.10	E-84 53 44.20
		Palva RF C/6	100	N-20 09 36.30	E-84 54 25.20
		Hatimunda RF C/17	100	N-20 18 25.60	E-84 58 41.00
		Chadesh RF	100	N-20.381356	E-84.800416
		Gania RF near Kishorepsad	150	N-20 22 46.63	E-85 44 4.08
		Bankamunda RF C/4 patch -1	50	N-20 26 34.10	E-84 58 35.70
		Bankamunda RF C/1 near Satapuria Patch II	100	N-20 24 23.20	E-84 56 05.90
		Bankamunda RF C/4 Patch - II Near Dankarisahi	100	N-20 26 32.70	E-84 58 38.10
		Bankamunda RF C/4 Patch - III	150	N-20 24 18.85	E-84 57 05.14
		Bankamunda RF C/4 Patch - IV	150	N-20 23 85.01	E-84 57 19.15
		Matia RF Patch No. 1 Nachipur Beat	100	N-20 22 58.90	E-84 51 52.90
		Matia RF Patch No. II Madhyakhanda beat	100	N-20 22 36.70	E-84 54 26.70
		Sikharapur RF patch - 1 Barapalli	100	N - 20 13 46.95	E - 85 08 00.56
		Sikharapur RF patch - 2 Golapokhari	100	N - 20 16 19.58	E - 85 08 50.73
		Sikharapur RF patch - 3 near Dattapokhari	50	N - 20 17 01.64	E - 85 07 01.00
		Sikharapur RF patch - 4 near Golapokhari	50	N - 20 15 33.14	E - 85 08 15.05
		Sapua RF C/4 near Dattapokhari	100	N - 20 16 40.86	E - 85 07 04.34
		Sapua RF C/7	200	N - 20 17 51.25	E - 85 04 45.00
		Guriabari RF near Analapata	100	N - 20 20 17.62	E - 85 02 54.56
		Bandra RF near Baigunia	100	N - 20 15 29.20	E - 85 13 44.20
		Barkhola RF near Rakesia	100	N - 20 20 22.30	E - 85 08 15.68
		Banijhari PRF	200	N-19 58 46.0	E-85 02 48.0
		Gochha RF C/9	200	N-19 58 56.6	E-85 09 12.4
		Gochha RF C/16	100	N-20 01 33.6	E-85 12 45.9
		Patharaganda RF	200	N-20 02 54.20	E-85 12 17.19
		Khatia - Damasahi RF	50	N-19 55 0.6	E-85 01 14.5
		Sulia RF C/9	100	N-20 04 24.59	E-84 57 24.83



		Balisinsa - Badhulipur RF	135	N-20 03 05.11	E-84 51 33.53
		Makarapalli PRF	115	N-20 05 52.80	E-84 48 17.55
		Gochha RF C/1 & 3	200	N-19 54 29.54	E-84 55 04.10
		Gochha RF C/6	150	N-19 54 08.24	E-84 56 29.54
		<b>Total-</b>	<b>4720</b>		
3	Rajnagar WL	Sandhakuda	70	86°38'15.46	20°14'50.1
		Jatadharta	70	86°30'52.37	20°10'4.1
		Baruhan	100	86°25'13.99	20°3'15.18
		Jambo PF	50	86°43'28.80	20°26'2.80
		Hetamundia PF	50	86°44'20.5	20°19'28.6
		Kantilo RF	50	86°41'29.5	20°29'2.9
		<b>Total-</b>	<b>390</b>		
4	Chilika WL	Pitisa PRF Nandala	100	19/28/42.3	85/10/54.8
		Pitisa PRF Brahmanideo	100	19/29/23.4	85/11/56.5
		<b>Total-</b>	<b>200</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Mularujangi (Dakpala B RF)	100	N20 26 25.8	E84 13 55.5
		Damigaon (Dakpala A RF)	100	N20 28 06.1	E84 13 38.8
		Panduli (Phulbani PRF)	100	N20 29 47.5	E84 15 51.7
		Dediganda (Gumagada RF)	150	N20 22 50.7	E84 16 20.7
		Subarnakhol (Gumagada RF)	75	N20 24 53.3	E84 14 44.6
		Gedripaju (Balaskumpa RF)	75	N20 24 7.5	E84 18 17
		Betinpada Jamujhori (Kalabagh PRF Extn)	75	N20 32 49.9	E84 08.32.9
		Pusipaju (Kalabagh RF)	125	N20 31 34.7	E84 10 12.0
		Bagali (Katringia PRF)	100	N20 31 43.3	E84 04 15.5
		Gadiapada (Ganjuguda PRF)	150	N20 25 47.8	E84 26 13.9
		Mardigochha (Khajuripada RF)	50	N20 25 48.8	E84 27 15.3
		Budarakadi (Bhaliapada RF)	100	N20 27 49.2	E84 23 11.7
		Bagali (Krandibali East RF)	200	N20 21 14.5	E84 03 17.9
		Dagarpadar (Krandibali East RF)	200	N20 21 19.1	E84 04 12
		Gochhasahi (Bandhagada PRF)	200	N20 16 43.9	E84 10 49.2
		Pathakhhol (Bandhagada PRF)	100	N20 18 37.1	E84 12 42.3
		Sadingia (Sadingia RF)	100	N20 20 49.4	E83 56 14.6
		Sunardei-Damingia (Damingia PRF)	100	N20 18 33.9	E83 56 35.7
		Dangerisahi-Kiamunda (Kiamunda PRF)	200	N20 20 56.4	E83 55 55.0
		Magamunda-1 (Bandhagada A PRF)	100	N20 21 12.9	E84 12 32.2
		Magamunda-2 (Bandhagada A PRF)	100	N20 21 28.3	E84 12 55.4
		Kadari-Salaguda (Baghanadi RF)	150	N20 31 15.2	E83 58 06.5

		Kadipari (Gochhapada RF)	200	N20 27 15.3	E84 00 52.7
		Karnada (Balandapada North PRF)	100	N20 27 31.7	E83 51 35.8
		Kenduguda (Balandapada North PRF)	100	N20 29 31.3	E83 48 51.2
		Duguripari (Kurmingia RF)	150	N20 11 22.8	E 84 24 54.0
		Pradhanpada (Bhanjapadar RF)	150	N20 13 49.3	E84 23 57.2
		Talabalumaha (Bhanjapadar RF)	100	N20 12 10.4	E84 24 29.7
		Retudi (Sujeli RF)	100	E 84 25 06.7	N20 07 06.8
		Mundakanga (Bakingia PRF)	150	N20 04 37.7	E 84 18 35.9
		Lingagada (Bakingia PRF)	100	N20 04 56.0	E 84 18 32.8
		Pukulingia (Pukulingia RF & KF )	130	N20 09 38.9	E 84 22 05.2
		Kurmingia (Kurmingia RF& KF)	70	N20 08 42.0	E 84 24 41.5
		Pajimaha (Pukulingia RF)	100	N 20 08 39.0	E 84 22 58.3
		Darapida (Padangi RF)	150	N20 11 30.5	E 84 12 12.1
		Burbinaju (Tudubali RF)	150	N20 11 29.3	E 84 17 48.7
		Luburumaha (Paburia PRF)	150	N20 12 28.7	E 84 18 24.2
		Kilusuga (Tudubali RF)	100	N20 15 22.8	E84 16 9.0
		Sankarakhol (Linepada RF)	200	N20 18 41.0	E84 18 2.3
		Lamungia ( Raikia RF)	100	N20 02 52.4	E84 16 58.1
		Ganjuguda ( Ganjuguda PRF)	50	N20 02 58.2	E84 13 49.6
		<b>Total-</b>	<b>5000</b>		
2	Baliguda	Sraniketa	100	N-19-55-39.2	84-06-02.8
		Saingabali	100	N-19-54-39.7	E-84-12-01.9
		Dedimaha	100	N-20-02-6.1	E-83-55-42.5
		Kilukupa	100	N-19-58-32.5	E-83-56-10.1
		Kuermunda	100	N-19-59-32.3	E-83-10-18.8
		Karumaha	75	N-19-57-57.0	E-84-10-11.0
		Badabanga	25	N-19-58-36.8	E-84-09-54.6
		Sakusbali	50	N-20-07-10.8	E-83-54-51.2
		Palunkia	50	N-20-05-30.0	E-83-51-58.0
		Balukia	70	N-20-14-49.5	E-83-52-25.5
		Barakhama	30	N-20-14-17.8	E-83-46-19.1
		Kamberikia	100	N-20-17-12.3	E-83-46-19.1
		Madapadar	50	N-20-05-4.8	E-83-43-47.1
		Srambukia	100	N-20-07-09.2	E-83-54-58.0
		Pacharani	50	N-20-22-26.0	E-83-45-57.9
		Mundapada	50	N-20-22-57.9	E-83-42-44.9
		Dupi	60	N-19-53-40.1	E-83-39-44.0
		Guchuka	40	N-19-54-18.9	E-83-39-52.4
		Mahabali	50	N-19-52-51.9	E-83-37-58.1

		Surupadar	50	N-19-58-36.3	E-83-41-35.5
		Matrugao	50	N-19-59-06.1	E-83-41-40.8
		Jhariapada	50	N-19-57-48.0	E-83-41-13.6
		Adangamala	100	N-19-46-50.7	E-83-43-58.6
		Kangerikia	100	N-20-10-22.8	E-84-05-40.2
		Dudkargaon	100	N-20-10-20.8	E-84-05-28.4
		Damerikia	75	N-20-09-15.1	E-84-02-27.9
		Sikanbadi	50	N-20-04-25.8	E-84-09-6.7
		Baligeda	50	N-20-03-17.5	E-84-08-20.8
		Sasimaha	50	N-20-03-57.0	E-84-08-53.1
		Lakati	25	N-20-01-49.7	E-84-00-19.2
		Kudutuli	50	N-20-09-27.6	E-84-02-02.3
		Lassery	50	N-19-45-11.8	E-83-41-24.1
		Sitapadi	50	N-19-45-41.2	E-83-41-47.4
		Madaguda	100	N-19-53-53.7	E-83-45-36.2
		Upper Maduguda	50	N-19-50-44.8	E-83-46-39.8
		Makadala	100	N-19-51-46.6	E-83-53-19.8
		Salkisitaguda	50	N-19-49-27.6	E-83-54-20.1
		Dadumaha	50	N-19-48-48.6	E-83-50-52.7
		Tiamaha	50	N-19-46-26.8	E-83-51-12.4
		Srambi	50	N-19-45-6.9	E-83-55-49.1
		Paduguda	50	N-19-43-18.6	E-83-55-4.8
		Lambabali	50	N-19-45-55.0	E-83-51-51.4
		Katingaia APRF	150	N-19-38-26.1	E-84-13-24.7
		Padampur RF	50	N-19-39-59.8	E-84-13-23.2
		Padampur RF	50	N-19-39-20.5	E-84-13-50.7
		Bamunigaon PRF	100	N-19-37-58.2	E-84-06-35.6
		Bamunigaon PRF	150	N-19-38-49.9	E-84-04-35.9
		Srirampur C RF	200	N-19-41-1.1	E-84-58-15.9
		Sanatuakala	50	N-19-55-55.7	E-83-37-40.9
		Sadangi	50	N-19-57-31.3	E-83-34-19.2
		Bilamal	50	N-19-52-51.7	E-83-34-51.1
		Karlangi	50	N-19-52-1.1	E-83-33-42.6
		Jhiripani Nuasahi	50	N-19-58-20.2	E-83-32-56.5
		Similipadar	50	N-19-58-48.4	E-83-34-19.3
		Chajangi	50	N-20-00-15.0	E-83-33-28.9
		Kapelpadar	50	N-19-58-5.9	E-83-30-28.9
		Sulireju	50	N-20-00-40.7	E-83-37-21.2
		Mandapadar	50	N-20-05-7.7	E-83-38-52.6
		Kendulipata	50	N-20-03-5.6	E-83-37-42.8
		Hatimunda	50	N-20-04-10.9	E-83-36-27.3
		<b>Total-</b>	<b>4000</b>		
3	Boudh	Bankamundi RF C/6	150	N20 43 39.9	E84 18 01.3
		Bankamundi RF C/9	150	N20 41 45.5	E84 16 24.0
		Bankamundi RF C/5	100	N20 43 27.7	E84 18 52.1
		Aragarh RF C/2&3	150	N20 36 48.9	E84 29 20.0
		Arakhapadar RF C/9	50	N20 34 44.1	E84 39 23.7
		Arakhapadar RF C/5	50	N20 34 14.5	E84 35 33.7
		Aragarh RF C/5	50	N20 38 13.5	E84 30 48.8
		Aragarh RF C/6	100	N20 39 16.3	E84 31 40.1

		Panchara RF C/2	100	N20 45 12.6	E84 00 01.5
		Mundeswar RF C/1	50	N20 24 54.7	E84 33 33.1
		Podhal RF C/3	50	N20 26 34.9	E84 31 01.2
		Mundeswar PRF	50	N20 31 51.2	E84 38 22.2
		Hatidhara RF C/3	50	N20 27 36.1	E84 37 32.5
		Podhal RF C/17	50	N20 29 29.6	E84 27 38.0
		Podhal RF C/17 & PRF	50	N20 30 00.9	E84 27 05.4
		Putputigarh RF, C/3	200	N20 37 15.0	E83 47 03.2
		Putputigarh RF, C/5	100	N20 39 15.1	E83 48 27.3
		<b>Total-</b>	<b>1500</b>		
4	Gh. South		<b>1430</b>		
5	Gh.North	Tiliki RF C/1	25	N 19 56 01.09	E 84 28 21.7
		Tiliki RF C/2	25	N 19 54 28.0	E 84 28 23.0
		Tiliki RF C/3	50	N 19 54 28.0	E 84 28 23.0
		Tiliki RF C/4	100	N 19 49 46.6	E 84 31 20.4
		Ragada RF C/3	50	N 19 53 43.7	E 84 30 06.6
		Ragada RF C/1	50	N 19 53 15.6	E 84 30 39.3
		Ragada RF C/3	50	N 19 46 14.4	E 84 32 38.5
		Kalimaba RF C/2	50	N 19 51 58.1	E 84 31 27.3
		Ghogada RF C/4	60	N 19 51 00.4	E 84 28 06.3
		Ghogada RF C/5	50	N 20 12 28.0	E 84 48 33.0
		Brahmanasahi RF C/5	40	N 20 11 26.3	E 84 46 54.0
		Brahmanasahi RF C/1	50	N 20 12 28.0	E 84 48 33.0
		J.N. Prasad RF C/1	300	N 20 03 59.0	E 84 42 45.0
		J.N. Prasad RF C/3	40	N 19 56 01.09	E 84 28 21.7
		<b>Total-</b>	<b>940</b>		
6	Berhampur	Sarakote	100	N 19 16 23.0	E 84 40 48.5
		Burugaon	100	N 19 17 3.0	E 84 41 50.3
		Kumbhajhari	50	N 19 21 2.0	E 84 42 13.0
		Sindurpur	50	N 19 12 18.9	E 84 37 12.6
		Mulakutapalli	50	N 19 16 52.7	E 84 34 28.8
		Totagaon	100	N 19 11 23.7	E 84 40 3.4
		Mathura	50	N 19 21 46.2	E 84 31 12.8
		Badapalli	100	N 19 17 48.5	E 84 37 4.9
		Raipur	50	N 19 14 45.3	E 84 28 30.6
		Karakhole PRF Comp. 3	30	N 19 27 20.8	E 85 05 11.4
		Karakhole PRF Comp. 2	30	N 19 35 15.1	E 85 05 45.5
		Babool PRF	40	N 19 27 22.6	E 85 03 37.8
		Ranibar 'A' DPF Comp.3	100	N 19 28 55.3	E 85 04 9.4
		Ranibar 'A' DPF Comp.2	50	N19 41 23.9	E 85 04 3.3
		Sahakhol PRF Comp. 3	50	N19 41 55.3	E 85 03 24.5
		Sahakhol PRF Comp. 4	50	N19 45 32.5	E 85 04 54.8

		Bhallery PRF Comp. 3	50	N19 34 33.5	E 85 02 3.8
		Thanagaon	100	N19 4 49.9	E 84 28 28.3
		Bhajipadar	50	N19 6 49.9	E 84 30 18.9
		Mahulbada	50	N19 9 57.1	E 84 30 9.4
		Jhagadapalli	50	N19 10 21.5	E 84 29 6.4
		Bhaliabada	50	N19 9 27.8	E 84 27 3.6
		Burtala	50	N19 8 39.0	E 84 30 15.9
		Andanda	50	N19 10 34. 4	E 84 22 20.8
		Matiapalli	50	N19 08 18.5	E 84 24 1.6
		Gurangi	50	N19 02 23.2	E 84 23 18.7
		Talapada	50	N19 01 53.3	E 84 23 2.9
		Srirampur	50	N19 1 28.7	E 84 26 52.7
		<b>Total-</b>	<b>1650</b>		
7	Paralakhemundi		<b>3000</b>	N 19 17 3.0	E 84 41 50.3
<b>Sambalpur Circle</b>					
1	Jharsuguda	Katikela	50	21-47-24.33	84-05-00.74
		Rajpur PRF	450	21-51-25.60	83-52-34.7
		Ullap PRF		21-51-29.9	83-50-07-4
		Kusuraloi PRF		21-41-58.3	83-49-44.6
		Grindola(B.khol)		75	21-49-51.0
		Banjari(B.khol)	100	21-48-20.6	83-47-12.3
		Ailajharan	50	21-42-14.3	83-48-01.9
		Jamuna	50	21-4204.3	83-48-48.8
		Amkhaman Sagarпали	50	21-47-08.0	83-47-22.0
		Sunari	25	21-39-14.4	83-47-02.5
		Pikol	25	21-47-49.3	83-45-49.9
		Suldia	25	21-43-37.7	83-48-17.6
		Sukhadihi	50	21-48-43.5	43-38-32.2
		Betjharan	50	21-46-24.3	83-42-49.7
		<b>Total-</b>	<b>1000</b>		
2	Sambalpur	Lambdungri RF-50	50	21 31 15.91	83 59 31.27
		Jarang DPF-200	200	21 11 18.67	84 11 4.17
		Hatibari-Bandher RF-100	100	21 20 22.37	84 7 34.02
		Basiapada-Birsingharh RF-100	100	21 17 14.85	84 4 20.06
		Labdera-Bolbunga RF-50	50	21 18 15.29	83 58 46.95
		Jaduloisingh-Gunjaghar RF-250	250	21 20 10.32	84 2 49
		Chandlidungri RF-200	200	21 28 20.06	83 52 18.5
		Menghpal RF-150	150	21 22 30.19	84 15 38.13
		Kusamura-150	150	21 20 34.3	84 18 2.9
		Chamunda-50	50	21 17 57	84 9 51.8
		Beheramal RF-50	50	21 17 53.8	84 9 52.2
		Kulchar RF-100	100	21 23 2.5	84 11 51.4
		Daldali-100	100	21 15 38.2	84 1 4.6
		Bhamjpali-50	50	21 14 2.7	83 57 46.2
		Gourgooth-50	50	21 12 4.72	83 56 31.12
		Tabloi-50	50	21 9 9.5	83 58 51.7
		Godloisingh -50	50	21 13 17.07	83 59 45.26
		Moulabhanja-50	50	21 41 8.8	83 59 12
		Junian-100	100	21 35 6.4	84 1 19.3
		sangarmal-Batemura-100	100	21 32 16.6	84 12 26.4

		Jharghati-Garpati-100	100	21 35 11.4	84 6 23.3
		Phuljharikhman-50	50	21 36 4	84 8 0.9
		Ghichamura-Phuljhar-200	200	21 34 2.4	84 11 56.1
		Ghihamura-Jormal RF-150	150	21 42 4.9	84 6 33.5
		<b>Total-</b>	<b>2500</b>		
3	Rairakhol	Purunapani PRF	150	21 03 58 .40	84 22 01.05
		Kholgarh RF	200	21 06 16.91	84 20 42.72
		Hatidhara RF	100	21 09 07.9	84 27 12.1
		Berhampura PRF	50	21 07 57-5	84 14 34.7
		Chadachadi PRF	300	21 10 33.2	84 44 19.7
		RailRF	100	21 07 52.5	84 34 50.3
		Landimal RF	100	21 13 38.0	84 36 29.1
		Rahan RF	90	20 56 47.57	84 14 03.65
		Tal RF	60	21 01 3.72	84 16 12.52
		R.Badmal RF	200	21 06 12.4	84 05 49.6
		Chargarh RF	150	21 05 08.2	84 01 25.3
		<b>Total-</b>	<b>1500</b>		
4	Bargarh	Pahadasruguda	30	21 29 42.0	83 46 59.0
		Khandahata	50	21 15' 39.51"	83 41' 51.21"
		Papanga	20	21 11' 17.26"	83 48' 23.46"
		SDBR RF Jadamunda	250	N21 30 36.5	E83 26 13.6
		SDBR RF Pandaritarei	100	N21 30 59.6	E83 27 36.2
		Dechuan RF (Kumbhi Chuan )	80	N21 37 55.5	E83 32 27.9
		Dechuan RF (Gangei)	70	N21 35 02.2	E83 29 25.2
		BARPADAR	100	N21 07 79.2	E83 12 57.8
		PANDRIPANI	150	N21 05 31.2	E83 11 25.4
		KUCHIPALI	100	N21 09 99.5	E83 15 11.7
		Jamkhar	100	N21 05 20.7	E83 04 14.0
		Ganjaguda	100	N21 05 98.3	E83 10 19.9
		Mahadaseni PRF	150	N-20-53-05.5	E-83-16-30.1
		Adhual PRF	300	N21° 01' 37.4"	E82° 52' 21.2"
		Lamidangar PRF	150	N21° 05' 11.1"	E82° 48' 45.9"
		Putkidungri PRF	50	N21° 00' 10.1"	E82° 46' 21.3"
		Gandhamardan PRF	200	N20 54 40.6	E82 51 33.6
		<b>Total-</b>	<b>2000</b>		
5	Bamara WL	Bandhabar RF (Gardega site)	40	22 4 28.67	84 26 13.96
		Bandhabar RF (Rangiatikira site )	20	22 2 37.54	84 22 42.17
		Bandhabar RF (Sankobahal site)	30	22 4 13.22	84 22 49.91
		Kesaibahal Dangajore DPF	20	21 55 39.18	84 24 57.45
		Parimunda Niktimal DPF	40	21 55 39.18	84 24 57.46
		Bandhabar RF (Rabga site)	30	22 5 18.44	84 28 44.90
		Bandhabar RF (Fuldemer site)	30	22 4 41.47	84 26 37.63
		Parmanpur KF	20	22 5 49.49	84 24 12.82
		Kaliapada KF	10	22 08 49.63	84 23 55.43`
		Manapali KF	10	22 07 29.93	84 26 19.24
		Bandhabar RF (Kholbilung site)	50	21 35 46.97	84 17 59.53
		Jhangirighati-Kuntrabahal DPF	50	21 57 52.81	84 27 30.71
		Thakurniktimal PRF	20	21 40 31.74	84 23 36.74
		Tamanguda DPF	20	21 48 18.86	84 28 33.06
		Chaitrai RF	260	21 46 55.22	84 21 53.64

		Pravasuni RF (Jamankira Section)	10	21 34 40	84 28 35
		Khajuria RF(Bamragarh site)	10	21 40 59.8	84 27 54.6
		Addl Kansar RF (Sialdarha)	10	21 30 16.02	84 23 5.68
		Karangamal KF	30	21 38 43.33	84 27 54.79
		Sauntimal PRF	10	21 35 53.34	84 24 17.34
		Guljipali KF	10	21 36 10.23	84 18 41.43
		Binjipali RF (Compt. No.3)	20	21 35 9.62	84 12 8.92
		Budhikuten PRF	60	21 24 55.2	84 13 50.1
		Kanibandhli PRF	40	21 30 21.78	84 12 51.84
		Pudakhol KF	100	21 17 50.4	84 30 43.1
		Uradei KF	50	21 19 02.20	84 25 06.86
		<b>Total-</b>	<b>1000</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Kiralaga RF	300	N-22 21 44.9	E-84 10 10.6
		Kurei RF	200	N-22 24 34.3	E-84 05 39.4
		Kumbahal RF	200	N-22 09 22.8	E-84 07 50.6
		Runga RF	100	N-22 18 57.5	E-84 16 48.0
		Athkosia RF, Tinkuda	200	N22 09 53.6	E83 53 49.2
		Athkosia RF, Belsara	100	N22 06 44.4	E83 55 27.7
		Kusumura RF	250	N22 16 49.3	E83 59 37.7
		Athkosia RF,Beheradihi	100	N22 15 54.2	E83 57 28.6
		Rajpur RF	100	N22 11 05.4	E84 05 02.9
		Raidihi DPF	100	N22 01 12.4	E83 52 14.2
		Athakosia RF(Patuaghara)	350	N 22. 1817033	E 83. 8455967
		Sialkhaman DPF	140	N 22 11 42.2	E 83 44 08.1
		Dhatukpahad DPF	160	N 22 07 51.9	E 83 44 09.1
		Dhangergudi R.F Chheligidri (COMPT)	150	N 22 11 43.4	E 83 46 17.5
		Jamkani- Tiuria	600	N-22-06.35.5	E-83-35-33.0
		Jamkani-Gopalpur	200	N-22-05.00.8	E-83-42.11.8
		Jhantikhohol	150	N-22-00-55.4	E-83-47.26.7
		Rohini RF	300	N21 50 34.5	E83 40 24.6
		Kaudarha-Tilia PRF	100	N21 52 00.2	E83 45 43.2
		Singaribahal RF	100	N21 49 26.4	E83 44 12.3
		Giripahad RF	200	N21 55 11.2	E83 48 05.4
		Kodbahal DPF	150	N21 58 37.9	E83 38 07.3
		Khuntipani RF	50	N21 57 08.5	E83 38 23.6
		Ranga RF (Badpara)	250	N-22 10 43.04	E-84 09 59.06
		Runga RF (Kulga)	300	N-22 11 09.04	E- 84 10 23.08
		Panchara South RF	150	N-22 17 42.02	E- 84 22 06.01
		<b>Total-</b>	<b>5000</b>		
2	Rourkela		<b>2500</b>		
3	Bonai	Mendhamaruni PRF-II	100	N21 56 6.3	E85 16 12.0
		Kumudi KF	50	N21 37 22.34	E85 06 57.19
		Balia RF	100	N21 46 18.4	E84 40 31.4
		Majurdima	100	N21 52 43.4	E84 35 42.8
		Sirigida RF	50	N21 56 55.2	E84 31 50.2
		Saldunguri	50	N21 50 05.3	E84 47 33.9
		Talita RF	50	N21 46 45.5	E84 57 25.9
		<b>Total-</b>	<b>500</b>		

4	Deogarh	Barkote Range/ Thianal RF	100	N21 29 30.96	E85 08 42.90
		Reamal Range/ Tarang PRF	100	N 21 16 21.4	E 84 34 16.6
		Deogarh Range/ Salohi Laimura PRF	50	21-40-55.5	84-40-35.1
		Pallahara Range/ Timi PRF	100	N 21 29 49.4	N 85 13 49.4
		Pallahara Range/ Jolunda Jokapani PRF	100	N 21 29 41.11	N 85 17 20.53
		Khamar Range/ Gurusulei RF	75	N21 23 12.2	E85 04 36.8
		Khamar Range/ Chargachhia RF	75	N21 20 03.5	E85 12 47.4
		<b>Total-</b>	<b>600</b>		
5	Keonjhar	Balibandha RF [BLB-I]	200	21 55 23	85 34 15.1
		Kanjipani RF [KNP-I]	150	21 29 16.4	85 28 48.3
		Pipilia RF [GML-I]	50	21 34 20.9	85 45 16
		Atei RF [MLN-I]	100	21 24 50	86 0 43.9
		Barabanka RF [NKS-I]	200	21 22 19.7	85 42 21.2
		<b>Total-</b>	<b>700</b>		
<b>Baripada Circle</b>					
1	Baripada	12 sites *	1000		
			<b>1000</b>		
2	Karanja	Kusumbandi PF	70	22 1 57.4	85 45 10.9
		Maricha VF	30	22 1 50.9	85 45 46.3
		Ghagi RF	100	21 50 6.8	85 51 43.1
		Hatisalbeda RF	100	21 45 24.3	86 2 57.6
		Handifuta RF – A	50	21 28 22.8	86 10 45.2
		Begunia RF – II	50	21 56 8.7	86 2 15.4
		Gudidiha	80	21 47 0.7	86 4 53.4
		Puruna deogaon	20	21 52 0.8	86 58 41.8
		<b>Total-</b>	<b>500</b>		
3	Rairangpur	Brahmani R.F	100	22 21 03.9	86 11 03.4
		Gorumahisani RF.	100	22 17 31.4	86 15 45.9
		Radho DPF	140	22 24 14.1	86 14 8.02
		Badampahar RF	140	22 07 43.1	86 11 31.1
		Khadambeda RF	20	22 9 55 5	86 25 36.1
		<b>Total-</b>	<b>500</b>		
4	Keonjhar WL	Santoshpur RF	450	21° 20' 54.11"	86° 06' 7.97"
		Rebana RF	300	21° 17' 17.97"	85° 39' 35.32"
		Atei RF	150	21° 20' 51.11"	86° 51' 18.64"
		Rebana RF	600	21° 08' 54.90"	85° 49' 05.09"
		<b>Total-</b>	<b>1500</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Rakeshtunda	200	N19 48 40.4	E83 05 46.0
		Kitpadar	150	N19 49 50.8	E83 08 29.5
		Herateka	200	N19 53 17.2	E83 05 27.3
		Sulia	200	N19 51 17.2	E83 16 13.1
		Kabagenju	150	N19 53 24.9	E83 12 00.3
		Rakshi	150	N19 51 36.0	E83 12 02.4
		Kundabandh	100	N20 06 11.1	E83 07 21.2
		Beherakuni	200	N19 57 15.1	E83 02 00.1
		Turpi	50	N20 02 28.0	E83 04 30.3
		Themra	150	N20 00 43.5	E83 02 18.6
		Bhikajharan	100	N20 00 12.5	E83 05 29.3



		Ghusurigudi	150	N19 59 01.8	E83 05 12.3
		Kuchejore	200	N19 56 40.8	E83 21 54.3
		Sadel B	50	N20 13 15.2	E83 29 31.1
		Turchi RF	50	N20 14 21.3	E83 27 43.8
		Podgudi PRF	100	N20 16 48.9	E83 29 37.8
		Jampada	100	N20 06 01.2	E83 24 39.1
		Boringpadar	100	N20 06 02.2	E83 26 27.0
		Maskaguda	100	N20 02 16.2	E83 25 58.0
		Dhamankata	100	N20 06 28.2	E83 26 02.0
		Podkham	150	N20 11 46.0	E83 16 49.2
		Dumermunda	100	N20 11 24.7	E83 16 02.3
		Taprang	100	N20 13 35.4	E83 19 04.9
		Kantesir	100	N20 13 05.7	E83 17 58.7
		Turlakhaman	100	N 20 16 01.6	E83 19 10.9
		Tundla	100	N20 16 10.8	E83 20 19.7
		Bijkhaman	100	N20 15 26.2	E83 18 26.6
		Singhjaran	100	N20 14 10.6	E83 18 02.6
		Karumpadar	150	N20 11 45.4	E83 19 02.1
		Bandajore	100	N20 05 43.9	E82 54 21.8
		Karlapada	100	N20 04 31.9	E82 53 53.4
		Nuagaon	50	N20 03 29.1	E82 56 15.8
		Badbhuin	50	N20 03 00.5	E82 47 43.1
		Dudkel	50	N20 03 30.9	E82 49 34.3
		Kendupani	50	N20 03 00.5	E82 47 43.1
		Kirkakani	50	N19 58 15.9	E82 45 45.5
		Tingipadar	50	N20 03 21.1	E82 56 04.8
		Balipati	200	N20 06 16.5	E82 59 59.6
		Gandbasa	200	N20 07 19.2	E82 57 36.5
		Rajnapur	200	N20 07 18.6	E82 57 25.6
		Bhandarkachhar	50	N20 08 56.3	E82 52 41.6
		Panaspur	100	N19.98478	E82.93861
		Sialjodi	150	N20 04 12.9	E82 59 26.1
		<b>Total-</b>	<b>5000</b>		
2	Kalahandi South	Mohangiri PRF	600	N19 32'25.88"	E83 13'48.38"
		Indravati PRF	200	N19 34'09.99"	E83 03'18.28"
		Tunapari	100	19 33 50.3	83 01 13.6
		Ghodabandha	300	19 37 42.1	82 55 10.4
		Pandigaon	100	19 34 08.8	82 52 39.1
		Roul Jhimiri Extn. PRF	300	N 19 41 33.7	E 83 19 12.6
		Mukundpur (Hatisal PRF)	100	N19 5247.9	E 83 22 39.9
		Kumkhal(Hatisal PRF)	200	N 19 50 00.4	E 83 21 12.1
		Mandigram (Hatisal PRF)	100	N 19 48 20.3	E 83 22 25.1
		Benbhata RF	200	N 19 40 24.9	E 83 14 09.3
		Benbhata RF	200	N 19 3849.4	E 83 14 55.4
		Bagnipadar (Samajhola RF)	400	N 19 56 16.2	E 83 26 00
		Michasola	200	N19 52 07.0	E83 01 39.5
		Banmalipur	200	N19 52 48.0	E82 59 29.6
		Katingpadar	100	N19 46 10.9	E83 02 58.6

		Golamunda	100	N19 50 47.0	E83 01 31.5
		Nagupada	300	N19 28 10.6	E 82 51 42.4
		Kamridhuti and Badsikuli	300	N19 25 11.3	E 82 53 09.0
		<b>Total-</b>	<b>4000</b>		
3	Subarnapur	Papi	100		
		Siali	50		
		Gulunda	50		
		Phabsi	50		
		Sangrampur	100		
		Sergeda	100		
		Durdura	150		
		Kundapal	150		
		Pipilipali	50		
		Bahirkhaman	50		
		Panimura	50		
		Punjipathar	100		
		Charbhata	100		
		Chirabahal	50		
		Tithipali	100		
		Jadapal	100		
		Badtenda	50		
		Meghnad	150		
		Jampali	50		
		Dipapali	100		
		Jaunrabhaura	100		
		Sulia	100		
		Khajuriapali	100		
		<b>Total-</b>	<b>2000</b>		
4	Bolangir	Phulijharan	200	N20 42 30.7	E83 25 16.4
		Ratakhandi	200	N20 39 01.0	E83 26 10.0
		Salemudga	50	N20 25 06.0	E82 44 20.1
		Pandren	50	N20 25 31.2	E82 46 52.7
		Mahakhand	50	N20 24 14.2	E82 47 24.3
		Gadiajor	50	N20 22 09.2	E82 43 56.4
		Tikrapada	50	N20 22 15.5	E82 44 41.5
		Jhinkipada	50	N20 10 06.2	E82 51 49.7
		Babijore-I	40	N20 33 28.8	E83 28 47.0
		Babijore-II	60	N20 32 56.2	E83 29 00.5
		Ratanpur	100	N20 35 33.9	E83 25 37.5
		Sinkahman	100	N20 37 49.3	E83 24 41.6
		Telenpali	100	N20 46 17.0	E82 51 12.7
		Dudukipadar	50	N20 46 59.9	E82 52 13.6
		Karlamal	50	N20 46 38.2	E82 51 45.7
		Ambahali	100	N20 46 42.1	E82 46 07.7
		Ainlabahata	50	N20 34 28.7	E82 53 34.7
		Mahulpati	50	N20 34 31.4	E82 46 22.3
		Dholmandal	100	N20 31 36.4	E82 45 22.3
		Barla	100	N20 27 25.9	E82 44 59.0
		Semla	100	N20 30 22.8	E82 50 29.9
		Kandagad	50	N20 35 33.6	E82 47 35.3

		Pipalbahal	50	N20 36 47.5	E82 46 35.8
		Tankapani	50	N20 41 15.8	E82 43 54.2
		Bender	150	N20 40 06.9	E82 51 03.3
		Rengali	100	N20 37 55.9	E82 52 25.1
		Chikli	50	N20 40 00.6	E82 54 46.3
		Kurlumal	50	N20 42 36.3	E82 51 13.3
		Sankhua	50	N20 55 39.1	E83 35 43.8
		Pandridungri	50	N20 57 16.8	E83 29 31.3
		Bagdunguri	50	N20 46 41.8	E83 17 24.4
		Antapali	50	N20 47 37.9	E83 16 43.4
		Tentulikhunti	80	N20 24 22.7	E83 02 57.8
		Govindpur	80	N20 23 37.8	E83 05 41.5
		Batisadha	80	N20 23 52.8	E83 07 26.3
		Jamunabahal	40	N20 29 31.1	E83 03 04.6
		Rengali	40	N20 26 21.3	E83 04 14.0
		Satbahani	80	N20 27 04.1	E83 07 35.9
		Brahmanipali	90	N20 51 44.9	E83 09 42.9
		Bandhanmal	40	N20 50 28.0	E83 06 47.1
		Barghati	120	N20 35 42.1	E83 10 27.4
		Godaramunda	50	N20 34 15.0	E83 07 36.9
		Desandh	50	N20 35 18.8	E83 11 36.7
		Bankod	50	N20 48 03.5	E83 04 28.5
		Junanimal	150	N20 28 54.9	E83 20 35.1
		Dangarpada	50	N20 29 12.6	E83 20 06.7
		Sialbahali	160	N20 31 05.0	E83 22 03.0
		Sialbahali	40	N20 31 01.1	E83 23 11.0
		Bhatipada	200	N20 22 14.7	E83 11 14.3
		Ghugurpala	200	N20 18 53.5	E83 14 13.9
		<b>Total-</b>	<b>4000</b>		
5	Khariar	Khasbahal	50	N20 13 04.1	E82 49 06.1
		Rokal	50	N20 13 30.2	E82 37 51.2
		Chikalchuan (Patdhara PRF)	100	N20 14 04.4	E82 29 52.0
		Keuburla (Kumdi PRF)	50	N20.19622	E82.620923
		Mahulpadar ( Adipita PRF)	50	N20 11 51.10	E82 33 29.50
		Podapali (Budharaja PRF)	50	N20 21 20.2	E82 43 10.2
		Jholpathar-DharamsagarPRF	100	N20 23 49.1	E82 43 03.8
		Dumerjore	50	N20 16 28.6	E82 41 80.9
		Mantritarai	150	N20 13 45.1	E82 40 33.6
		Mathiapadar (Chhata PRF)	60	N20 26 52.8	E82 36 51.4
		Barandpat ( Chhata PRF)	40	N20 30 50.9	E82 37 13.0
		Chhata (Chhata PRF)	30	N20 29 25.3	E82 36 31.1
		Maniguda	30	N20 37 0.0	E82.36 34.4
		Soripada	50	N20 38 27.2	E82 38 46.2
		Balipati	60	N20 40 31.8	E82 38 46.5
		Gadgadbahali	60	N20 4115.06	E82 38 55.4
		Tarbod	30	N20 38 25.3	E82 36 04.4
		Bagmunda	50	N20 41 04.3	E82 33 43.2
		Salbhata	60	N20 35 04.5	E82 42 54.6
		Dungripali	60	N20 34 01.8	E82 41 37.0
		Katapali	50	N20 39 11.8	E82 40 16.8

		Ghati PRF- Khajurbahal	200	N 20 45 15.1	E 82 34 47.4
		Jamsulebhata	100	N 20.8495	E 82. 3812
		Seth Jampani	100	N 20 45 44.5	E 82 21 55.1
		Mendhatal PRF- Katapada	100	N 20 40 28.9	E 82 39 28.4
		Jharbandh ( Narayandongri PRF)	150	N20 01 31.7	E082 34 05.2
		Jampani ( Koilakhala PRF)	100	N20 03 21.6	E082 32 04.8
		Mahagan ( Cheripani PRF)	150	N20 03 52.5	E082 40 35.0
		Baijalpur ( Adipita PRF)	200	N20 06 40.0	E082 30 32.8
		Kokpadar ( Nagesh PRF)	160	N20 02 45.8	E082 44 21.2
		Tankamal ( Kooilakhala PRF)	160	N20 04 52.8	E82 27 40.0
		Chitarama ( Patdhara PRF)	100	N20 06 26.8	E82 24 19.7
		Kantapada	100	N20 52 53.7	E82 37 44.2
		Kadomeri	100	N20 59 13.4	E82 39 54.0
		Masankunda	50	N20 57 23.5	E82 39 32.9
		<b>Total-</b>	<b>3000</b>		
<b>Koraput Circle</b>					
1	Rayagada	Dumaguda	120	19.179700	83.444300
		Tikarpadu	120	19.170830	83.444300
		Tilesu	110	19.047853	83.401585
		Kutuli	80	19.133100	83.208400
		Kumbhikotta	220	19.117900	83.278000
		Dupliganda	150	19.129182	83.593655
		Pipalguda	200	19.223589	83.494615
		Rabuguda	50	19.521920	83.329210
		Tidimaska	100	19.580550	83.322590
		Ajayagada	100	19.455920	83.239710
		Sorati	50	19.494130	83.375860
		Siltiguda	50	19.247010	83.378200
		Arganda	50	19.423343	83.359850
		Bhitar Sajja	50	19.414430	83.361360
		Pedisika Kolango	100	19.350390	83.319820
		Kurkuti	50	19.311650	83.277450
		Pandapaska	50	19.343240	83.277980
		Podabandha RF	90	19.344989	83.081549
		Basanagmali PRF	100	19.335828	83.228807
		Ottang DPF	100	19.350196	83.240014
		Ottang DPF	110	19.391753	83.272436
		Kalagaon DPF	100	19.413438	83.163892
		Dudukabahal	80	19.181430	83.095353
		Bolangiri	90	19.287610	83.156213
		Kharjodi	80	19.288610	83.155186
		Pokhari RF	50	19.853430	83.430430
		Odomasaka	100	19.898160	83.442690
		Teremeru	100	19.889700	83.447180
		Talachelinala	100	19.656940	83.489170
		Sakata PRF	100	19.615830	83.487840
		Jamaraguda PRF	50	19.640700	83.488550
		Jabaguda	100	19.805830	83.591100
		Langalabeda	50	19.788080	83.591100
		Dambaguda	50	19.788110	83.591100

		Lelibadi	50	19.437220	83.529440
		Aliganda	100	19.580400	83.632880
		Induguda	100	19.666100	83.769490
		Chilikarambu	50	19.406690	83.538270
		Baradaguda	100	19.412382	83.542949
		Lobaguda	100	19.072722	83.758444
		Hatibadi	50	19.055556	83.766694
		Machakhunti	100	19.062336	83.766458
		Sanasangidi	100	19.033439	83.729953
		Podalpadar	100	19.190556	83.711722
		Hajaridang	50	19.096889	83.749833
		Gimirikonda	100	19.259306	83.645472
		Konda Kesari	50	19.291583	83.645750
		Bheja	100	19.242028	83.575528
		Kesari	50	19.259722	83.590889
		Banjari	100	19.176111	83.913056
		Malatipur	100	19.241917	83.895889
		Matugudu	100	19.324060	83.697890
		Arjunaguda	50	19.232060	83.879110
		Pataguda	50	19.369710	83.986390
		Karanja	100	19.339580	83.693560
		Khariguda	100	19.366610	83.745170
		Kitalpadu	50	19.224940	83.685030
		Raibili	50	19.364420	83.812810
		<b>Total-</b>	<b>5000</b>		
2	Koraput	Bisipani RF	100	N18.91125	E82.68947
		Panasput	120	N- 18.82507	E- 82.78068
		Litiput	80	N-18.920887	E- 82.722749
		Minapai	100	N19.016778	E83.1564147
		Sargighati	110	N19.017806	E83.156222
		Hatimali	100	N18.885694	E82.935056
		Kurjumali	60	N18.928806	E82.961278
		Kakirimali	100	N18.933444	E83.032833
		Laxmipur Allias Nalachua	70	N 18.930667	E83.152022.
		Budhapanas	130	N18.79719	E83.04281
		Manjariguda	70	N18.80626	E83.21175
		Atmakonda	130	N18.84929	E83.22003
		Dandabadi	70	N18.91189	E83.19477
		Bhairabgada	80	N18.55728	E82.82704
		Kasandi	70	N18.51268	E82.72794
		Subai A	80	N18.61489	E8.279925
		Amphavali	70	N18.396934	E82.987082
		Padua	105	N18.35138	E82.68860
		Champaput	30	N18.3756535	E82.6862841
		Vamangarai	100	N18.2972985	E82.6152418
		Luluburu	75	N18428536	E82686053
		Jabagada	60	N18.46164	E82.57164
		Ranitota	90	N18.70564	E82.55572
		<b>Total-</b>	<b>2000</b>		
3	Jeypore	Sukriguda	30	18.64975	82.34186

		Mohuli	30	18.63500	82.93617
		Matikupuli	20	19.03183	82.05800
		Kathragada	20	19.28267	82.08500
		Jadaput	20	19.43700	82.50433
		Ramgiri	50	18.27000	82.71900
		Pujariput	20	18.66433	82.50333
		Jhaliaguda	70	18.67133	82.73867
		Dimla (Padmapur)	30	18.57567	82.61233
		Raniguda	50	19.87000	82.05633
		Baminidangar	30	19.02067	82.30067
		Raniguda	10	19.87000	82.05633
		Dongriguda	20	18.87200	82.93433
		<b>Total-</b>	<b>400</b>		
4	Nabarangpur	Telnadi RF	250	N19.73575	E82.23403
		Dandasara RF	100	N19.65994	E82.05697
		Pondripokhna RL	100	N19.83983	E82.26642
		Jobipara RL:	100	N19.82886	E82.23667
		Jamdora RL	100	N19.83253	E82.14953
		Bhalubeda RL	65	N19.82061	E82.14931
		Bodadora RL	35	N19.83589	E82.14883
		Keserabeda RF	50	N19.76975	E82.11342
		Sindhigam RF	100	N19.53364	E82.10631
		Jampadar PRF	50	N19.52150	E82.14489
		Badagam PRF	100	N19.57494	E82.07522
		Gurusingha PRF	100	N19.73272	E82.34394
		Chikili PRF	150	N 19.74519	E 82.42567
		Chuimati (Dhumam) PRF	50	N 19.70406	E 82.45961
		Karlapada PRF	100	N19.70292	E82.46647
		Bhejiguda PRF	100	N19.65606	E82.46853
		Gobaguda PRF	150	N19.62794	E82.45181
		Tangini PRF	150	N19.62544	E82.46747
		B Temra PRF	100	N19.61920	E82.50785
		B' Karmari PRF	100	N19.72701	E82.53451
		Londasil PRF	50	N19.69423	E82.50096
		Rajkote PRF	100	N19.77925	E82.43158
		Phatiki PRF	100	N19.80797	E82.36094
		Dongriguda PRF	130	N 19.80731	E 82.54361
		Dahimal PRF	100	N 19.77272	E 82.54225
		Kantasaru, Maidalpur PRF	500	N19.49316	E82.61888
		Charamula, Garbarai PRF	100	N19.49980	E82.53978
		Dhansuli PRF	50	N19.39910	E82.46846
		Patri PRF	150	N19.43196	E82.45376
		Dabugam RF	50	N19.46697	E82.42099
		Taragam RF	155	N19.28350	E82.53333
		Khandaguda "A"RF	10	N19.25283	E82.51903
		Khandaguda "B"RF	35	N19.25858	E82.51392
		LD Pur Sasan RF	50	N19.23658	E82.51558
		Deula "A" RF	40	N19.26053	E82.49039
		Deula "B" RF	25	N19.25814	E82.49417
		Pilika RF	60	N19.26403	E82.50075

		Jamuguda RF	90	N19.28797	E82.59789
		Bikrampur RF	110	N19.26203	E82.46958
		Sivini RF	100	N19.28306	E82.58147
		Betajharan RF	130	N19.43261	E82.52667
		Betajharan RF	30	N19.42589	E82.50517
		Jhadkusumi RF	50	N19.40556	E82.53692
		Bankasargi RF	60	N19.36014	E82.56497
		Bankasargi RF	30	N19.36286	E82.56258
		Patraguda PRF	220	N19.35572	E82.50842
		Karlichuan "A" PRF	16	N19.27158	E82.71872
		Karlichuan "B" PRF	19	N19.26775	E82.71458
		Bharanpur RF	10	N19.32850	E82.65258
		Dongra RF	200	N19.34306	E82.37644
		Kodinga PRF	50	N19.31375	E82.34906
		Nuaguda PRF	30	N19.30806	E82.36972
		Palpur RF	100	N19.30233	E82.47111
		Kusumi PRF	200	N19.41106	E82.21417
		Attigam RF	100	N19.26739	E82.26586
		Sambalpur RF	200	N20.06625	E81.95033
		Chadiapara RF	100	N19.99433	E82.01642
		Kusumpur RF	100	N19.96811	E82.04928
		Hatigam RF	100	N20.00592	E82.09875
		Mohando PRF	100	N19.98944	E82.08983
		Kundrapani RF	100	N19.83853	E81.96769
		<b>Total-</b>	<b>6000</b>		
5	Malkangiri	Namkonda	50	18.26673	81.77961
		Padmapur	35	18.42978	81.95711
		Panasagandhi	40	18.10278	82.19778
		Badakonda	40	18.08886	82.05550
		Kuttanpalli	30	17.97683	81.50289
		Motu	25	17.82742	81.42164
		Ramvaram	25	17.85542	81.49511
		Kalimela	25	17.85542	81.49511
		Mutumguda	20	18.18474	81.55112
		Udayagiri	20	18.30073	81.61886
		Chinapateru	20	18.18391	81.90099
		Baliamba	50	18.60308	82.29328
		Kathiguda	35	18.53003	82.13542
		Nilapari	45	18.21774	82.11849
		Matamkonda	40	18.16895	82.01869
		<b>Total-</b>	<b>500</b>		
		<b>Grand Total-</b>	<b>85430</b>		

## Annexure-III-X

### Site-wise details of Subsidiary Silvicultural Operations of Degraded Bamboo Forests

#### REGENERATION OF DEGRADED BAMBOO FORESTS as per wage rate Rs.298/- (Man Day)

SI No.	Name of Division	Location	Area in Ha.	Geo-coordinates	
				Latitude	Longitude
1	2	3	4	5	6
<b>Angul Circle</b>					
1	Angul	Bolanga-PRF	53.522	20.67761	84.99532
		Katada-RF-2	215.361	20.89494	84.80518
		Katada-RF-7	331.117	20.8826	84.80511
		<b>Total-</b>	<b>600</b>		
2	Athmallik	Hatidhara RF South BCD	400	20 39 54.35	84 39 57.8
		Hatidhar RF North BCD	400	20 41 22.8	84 42 06.9
		<b>Total-</b>	<b>800</b>		
3	Dhenkanal	Kandhara RF Compt. No.4	300	N-20-33-35.4	E-85-13.32.0
		Kandhara RF Compt. No.6	300	N-20-33-59.3	E-85-14-13.4
		<b>Total-</b>	<b>600</b>		
4	Athgarh	Deobhuin RF, Compt. No. 13	150	N 20 31 25.8	E 85 11 47.6
		Deobhuin RF, Compt. No. 17	100	N 20 33 26.2	E 85 11 26.1
		Olaba RF, Compt. No. 6	200	N 20 32. 41.0	E 85 13 24.8
		Chandragiri RF, Compt. No. 6 (P)	100	N 20 28 34.9	E 85 12 03.6
		Haladiaseni RF, Compt. No. 5	300	N 20 28 45.9	E 85 20 39.2
		Haladiaseni RF. Compt. No. 7	300	N 20 28 45.4	E 85 21 12.2
		<b>Total-</b>	<b>1150</b>		
		<b>Circle Total-</b>	<b>3150</b>		
<b>Bhubaneswar Circle</b>					
1	Khurda	Katuala Fs	900	19-50-49.8	85-01-27.7
		Mal Fs	800	19-57-30.7	85-12-17.2
		Patia FS	300	19-54-49.0	85-16-0.2
		<b>Total-</b>	<b>2000</b>		
2	Nayagarh	Poibadi F.S - Poibadi RF C/1	200	N - 20 16 10.5	E - 84 53 39.10
		Pokharigochha F.S - Pokharigochha RF C/1	400	N - 20 15 52.10	E - 84 44 19.60
		Central North F.S - Central North RF C/6 & 9	500	N - 20 20 43.30 N - 20 20 02.90	E - 84 40 39.30 E - 84 40 39.20
		Central South F.S - Central South RF C/13	400	N - 20 17 55.70	E - 84 43 60.00
		Ragadimada F.S - Palva RF C/ 1	200	N - 20 11 56.21	E - 84 51 47.48
		Ragadimada F.S - Palva RF C/ 2	200	N - 20 12 10.87	E - 84 54 43.51
		Ragadimada F.S - Palva RF C/3	200	N - 20 10 53.10	E - 84 54 23.69
		Ragadimada F.S - Palva RF C/4	200	N - 20 10 51.30	E - 84 52 40.82
		Ratadei F.S - Ratadei RF C/1	100	N - 20 06 34.41	E - 84 49 31.24
		Sulia F.S - Hatimunda RF C/8	170	N - 20 14 53.52	E - 85 03 12.24
		Sulia F.S - Hatimunda RF C/9	160	N - 20 13 59.52	E - 85 04 35.04
		Sulia F.S - Hatimunda RF C/10	170	N - 20 13 54.48	E - 85 05.34.08
		Gochha F.S - Gochha RF C/3	180	N - 19 54 28.42	E - 84 55 11.24



		Gochha F.S - Gochha RF C/4	180	N-19 55 00.78	E - 84 57 18.43
		Gochha F.S - Gochha RF C/5	190	N-19 55 20.13	E - 84 57 49.74
		Gayalasingh F.S - Gayalasingh RF C/3	125	N - 19 58 26.90	E - 84 58 24.95
		<b>Total-</b>	<b>3575</b>		
		<b>Circle Total-</b>	<b>3575</b>		
<b>Berhampur Circle</b>					
1	Phulbani	Ranipathar N	500	20 33 21.6	84 21 26.6
		Ranipathar S	400	20 32 27.6	84 19 12
		Donga West	100	20 36 13.3	84 18 29.6
		Donga East	150	20 37 47.8	84 21 21
		Bilabadi	130	20 39 1.4	84 20 28.7
		Sudrukumpa	450	20 31 39.6	84 16 55.9
		Brutanga North	70	20 21 18.4	84 27 50.5
		Khajuripada	340	20 24 57.5	84 27 50.2
		Kalabagh	450	20 34 23.8	84 03 14.6
		Krandibali W RF	500	20 25 48	83 57 10
		Balandapada S PRF	170	20 27 21.9	83 51 28.1
		Archangi A	67	20 22 57.5	84 30 16.2
		Brutanga South	266	20 21 47	84 28 36.7
		Chakapad RF	167	20 16 21.3	84 32 24.7
		Baraba	100	19 54 4.1	84 21 13.2
		Ranaba	300	19 52 41.0	84 26 15.4
		Machhaghat	350	19 55 8.2	84 25 51.1
		Badagada PRF A	710	19 56 6.3	84 18 40.2
		Sikabadi A PRF	270	19 57 3.2	84 18 34.6
		<b>Total-</b>	<b>5490</b>		
2	Baliguda	Kutra B/C -D	204	N19 41 50.8	E83 55 17.3
		Bondru B/C-D	308	N19 48 32.6	E83 47 06.1
		Laseri Extn B/C-D	308	N19 43 13.1	E83 43 08.9
		Pokharibandha B/C -D	308	N20-19-20.5	E83-43-10.6
		Khamankhol B/C -D	308	N20-24-31.3	E83-45-14.6
		Pidhiary B/C -D	308	N19 49 03.1	E84 06 42.5
		Dasingbadi B/C-D	308	N19 46 24.3	E84 06 57.4
		Dhusari B/C-D	308	N-19-41-10.69	E-83-59-06.33
		Sadakia B/C -D	308	N-19-44-03.38	E-84-04-11.33
		Gadapur B/C -D	308	N-19-41-56.8	E-84-00-7.9
		Jhiripani B/C -D	308	N-19-58-53.27	E-83-30-47.9
		Lankagarh B/C-D	408	N20-05-08.2	E83-38-58.2
		Mudigarh B/C -D	308	N19-59-43.0	E83-37-36.3
		<b>Total-</b>	<b>4000</b>		
3	Boudh	Padhel RF C/ 8	300	E 83 47 57.19	N20 26 17.60
		Padhel RF C/ 9	300	E 83 46 34.32	N 20 26 24.14
		Matakupa RF C/6	200	E 83 53 22.11	N 20 36 14.32
		Subarnagiri RF C/ 14	400	E 84 03 41.10	N 20 37 32.58
		Subarnagiri RF C/ 15	400	E 84 03 20.52	N 20 36 38.26
		Subarnagiri RF C/2	300	E 84 08 49.69	N 20 37 51.75
		Jamukhol RF C/4	200	E 84 12 41.18	N 20 36 48.98
		Jamukhol RF C/8a	300	E 84 15 40.39	N 20 38 54.13
		Hatidhara RF C/10	400	E 84 38 52.34	N 20 28 36.08

		Hatidhara RF C/11	250	E 84 38 50.34	N 20 29 17.25
		Hatidhara RF C/13	300	E 84 39 42.46	N 20 28 53.66
		Hatidhara RF C/14	350	E 84 41 01.58	N 20 28 14.49
		Aragarh RF C/8	300	E 84 32 22.51	N 20 40 36.38
		Aragarh RF C/9	300	E 84 31 38.19	N 20 40 25.22
		Arakhpadar RF C/9	200	E 84 39 07.39	N 20 34 30.14
		<b>Total-</b>	<b>4500</b>		
4	Gh. South	Jhirijhira B/C -A in Aska Range	300	N 19 34 34.39	E 84 26 44.56
		Bhaliaguda B/C -A in Aska Range	300	N 19 30 27.80	E 84 28 22.0
		Karchuli B/C -C in Buguda Range	200	N 19 53 38.7	E 84 51 34.4
		Kiriamba B/C -C in Buguda Range	300	N 19 49 04.5	E 84 54 41.2
		Nadiamba B/C -A in Polasara Range	200	N 19 49 7.80	E 84 55 2.40
		Jokabandha B/C -A in Polasara Range	200	N 19 44 16.0	E 84 55 45.80
		Gazalbadi B/C -C in Surada Range	200	N 19 52 56.1	E 84 17 19.9
		Adipanka B/C -C in Surada Range	500	N 19 44 54.1	E 84 10 56.8
		Pipalapanka B/C -C in Surada Range	500	N 19 46 33.96	E 84 17 56.03
		Budaguda B/C -C in Surada Range	200	N 19 49 47.5	E 84 15.57.7
		Raipada B/C -C in Badagada Range	300	N 19 44 18	E 84 28 16
		Jarau West B/C -A in Badagada Range	500	N 19 39 42.1	E 84 21 11.8
		Jarau East B/C -A in Badagada Range	475	N 19 38 26.4	E 84 24 0.8
				<b>Total-</b>	<b>4175</b>
5	Gh. North	Durgaprasad B/C 'B'	200	N 20 06 22.8	E 84 25 46.5
		Rambha B/C 'B'	300	N 20 07 28.0	E 84 28 24.4
		Baibali B/C 'B'	200	N 19 59 17.5	E 84 20 47.3
		Bapangi B/C 'B'	300	N 19 59 35.0	E 84 27 34.6
		Birikote B/C 'B'	300	N 20 01 43.3	E 84 26 46.5
		Ragada B/C 'B'	400	N 19 51 31.9	E 84 28 35.6
		Kaliamba B/C 'B'	300	N 19 52 44.4	E 84 31 32.3
		Gopadara B/C 'B'	150	N 20 10 13.4	E 84 39 28.1
		Khamanasahi B/C 'B'	150	N 20 07 42.7	E 84 39 35.9
		Kathachira B/C 'B'	200	N 20 04 35.4	E 84 38 41.2
		Dimirijholi B/C 'B'	50	N 20 07 56.7	E 84 33 17.6
		Ambazora B/C 'B'	100	N 20 08 43.0	E 84 40 41.5
		Gundribadi B/C 'B'	150	N 20 13 54.0	E 84 44 25.3
		Lembhai B/C 'B'	100	N 20 06 08.2	E 84 40 13.4
		Tarasingi B/C 'B'	175	N 20 04 40.5	E 84 43 52.3
		Nabagochha B/C 'B'	150	N 20 08 36.3	E 84 48 36.4
		<b>Total-</b>	<b>3225</b>		
6	Berhampur	Dutiasahi "C" Coupe	200	N 19 07 08.8	E 84 25 22.5
		Bengeisahi "C" Coupe	200	N 17 07 46.5	E 84 22 25.4
		Haripur "C" Coupe	250	N 19 03 18.4	E 84 27 32.0
		Singharaj "C" Coupe	200	N 19 02 04.2	E 84 24 51.0
		<b>Total-</b>	<b>850</b>		
7	Paralakhemundi	Mandasa	1000	N18* 55' 19.7"	E 84* 25' 50.1"
		Guimera	800	N19* 17' 56.1"	E 84* 09' 32.1"
		Chapulikirima	700	N 19* 14' 42"	E 84* 03' 17"
		Harabhangi	2100	N 19* 28' 07.7"	E 84* 11' 41.4"
		Damadua	200	N 19* 32 34.33"	E 84* 06'50.39"

		Nalaghat	500	N 19° 28' 31.767"	E 84° 01' 36.936"
		<b>Total-</b>	<b>5300</b>		
		<b>Circle Total-</b>	<b>23040</b>		
<b>Sambalpur Circle</b>					
1	Sambalpur	Mundher B/C-D	150	N-21-23-00.83	E-84-03-06.38
		Jhankarbahali B/C-D	100	N-21-21-14.11	E-84-01-25.34
		Jaduloisingh B/C -D	150	N-21-19-24.25	E-84-01-47.96
		Labdera B/C-D	100	N-21-17-46.49	E-83-58-21.44
		Kendrapat B/C-D	100	N-21-23-48-66	E-84-05-22.86
		Sitlenpali B/C-D	100	N-21-14-08.60	E-83-58-59.20
		Larasara B/C-D	100	N-21-11-38.90	E-83-56-19.70
		Goinpura B/C-D	100	N-21-13-44.70	E-83-57-23.60
		Kolgaon B/C-D	100	N-21-10-33.80	E-83-57-01.60
		<b>Total-</b>	<b>1000</b>		
2	Rairakhol	Bindhayabasini B/C-D	100		
		Hatidhara B/C-D	200		
		Kholgarh B/C-D	200		
		Sagmalia West B/C-D	200		
		Rahan B/C-D	200		
		Sagmalia East B/C-D	200		
		<b>Total-</b>	<b>1100</b>		
3	Bargarh	Dechuan D Coupe	550	N-21-38-28.54	E-83-34-44.28
		Ganjaguda D Coupe	590	N-21-05-23.6	E-83-08-25.2
		Jaypur D Coupe	420	N 20 53 32.4	E 82 59 53.9
		Cheliamal D Coupe	150	N20° 59' 58.0"	E82° 51' 29.6"
		Saransil D Coupe	130	N21° 02' 30.0"	E82° 50' 48.1"
		Borasambar	410	N20 55 04.1	E082 55 36.5
		<b>Total-</b>	<b>2250</b>		
5	Bamara WL	Betjharan B/C A	200	21 53 50.07	84 29 3.08
		Bandhabar East B/C A	200	22 1 17.56	84 27 26.66
		Garpati B/C A	50	21 57 50.19	84 24 40.5
		Khajuria B/C A (Compt No.2&3)	300	21 43 21.97	84 36 13.69
		Khajuria B/C A (Compt No.4)	270	21 42 27.35	84 37 12.05
		Mukteswar B/C A	50	21 33 24.5	84 22 27.4
		Pravasuni B/C A	400	21 36 8.52	84 29 18.76
		Giripur B/C A	280	21 36 8.52	84 25 0.67
		<b>Total-</b>	<b>1750</b>		
		<b>Circle Total-</b>	<b>#REF!</b>		
<b>Rourkela Circle</b>					
1	Sundargarh	Garjanpahad BC "D" Coupe	600	N 21 58 45.0	E 83 42 17.9
		Dhanubans BC "D" Coupe	300	N 21 57 46.8	E 83 35 57.3
		<b>Total-</b>	<b>900</b>		
2	Rourkela	S. Champajharan RF Coupe BC – B	400	N22 00 36.56	<b>E84 53 51.60</b>
		<b>Total-</b>	<b>400</b>		
3	Bonai	Mahulpada BC D	300	N21 40 21.0	E85 07 27.7
		Ulsura BC B	500	N21 41 36.6	E84 46 44.2
		Kantamunda BC A	600	N21 58 26.0	E84 33 20.2
		Kello BC A	700	N21 47 45.5	E84 35 30.4
		Kunjar BC C	800	N21 56 35.1	E84 39 59.1

		Sirigida BC A	400	N22 00 26.9	E84 32 51.4
		Dhenkiam BC A	300	N21 56 53.5	E84 47 23.5
		Kusumdihi BC B	300	N21 57 12.1	E84 47 13.5
		Rushimath BC A	600	N21 54 22.9	E84 43 41.0
		<b>Total-</b>	<b>4500</b>		
4	Deogarh	Mankarchua RF	385	N21 28 36.5,	E85 11 57.9
		Malyagiri RF Compt. No-1	300	N21 22 00.58	E85 10 02.66
		<b>Total-</b>	<b>685</b>		
		<b>Circle Total-</b>	<b>6485</b>		
<b>Bhawanipatna Circle</b>					
1	Kalahandi North	Porgel Extension B/C – D	404.00	N19 35 39.0	E83 12 31.0
		Chura B B/C-D	622.00	N20 01 08.0	E82 57 45.2
		Chura West A B/C-D	500.00	N19 59 38.9	E82 56 41.0
		Alma B/C-D	404.00	N19 49 39.0	E83 04 58.6
		Brahmani East B/C-D	560.00	N20 00 41.3	E83 04 38.0
		Benaguda East B/C-D	337.00	N20.304475	E83.638588
		Benaguda West B/C-D	673.00	N20.370988	E83.605848
		Sulia B/C-D	1000.00	N20.313232	E83.679742
		<b>Total-</b>	<b>4500</b>		
2	Kalahandi South	Ghana RF	100	N19.853417	E 83.063787
		Ghana RF	100	N19 50 23.5	E83 04 21.9
		Khalia PRF	100	N19 46 06.6	E83 03 16.2
		Samajhola RF	50	N 19 56 03.4	E 83 24 56.0
		<b>Total-</b>	<b>350</b>		
4	Bolangir	Gandhamardan RF	100	N20 49 50.6	E82 48 41.6
		Gandhamardan RF	200	N20 50 42.0	E82 49 54.5
		Gandhamardan RF	100	N20 52 41.7	E82 53 13.0
		Chandli RF	100	N20 44 12.8	E82 47 39.2
		Chandli RF	100	N20 44 27.2	E82 47 47.1
		Chandli RF	100	N20 44 21.4	E82 47 20.7
		Chhatradandi RF	150	N20 24 24.6	E82 47 20.6
		Chhatradandi RF	150	N20 22 58.7	E82 48 32.9
		Sikerpat RF	100	N20 23 22.6	E83 35 22.5
		Sikerpat RF	150	N20 22 30.7	E83 35 31.0
		Sikerpat RF	150	N20 21 58.3	E83 35 51.6
		Kiribanji RF	100	N20 32 44.3	E83 08 50.2
				<b>Total-</b>	<b>1500</b>
5	Khariar	Tandel PRF	167	20.407347	82.685041
		Patdarha PRF	300	20.52663	82.55222
		Dharamsagar PRF	283	20.655842	82.674957
		<b>Total-</b>	<b>750</b>		
		<b>Circle Total-</b>	<b>7100</b>		
<b>Koraput Circle</b>					

1	Rayagada	Amilima-A-'C'	300	19.67036944	83.86348056
		Amilima-B-'C'	300	19.62778333	83.841975
		Bijapur-'C'	300	19.43933611	83.93272222
		Chandrapur-A-'C'	500	19.49959444	83.85358056
		Chandrapur-B-'C'	300	19.58566667	83.89120556
		Dangsorada-'C'	500	19.54488333	83.68380556
		Dhepaguda-'C'	500	19.54640833	83.70278889
		Karlaghati-'C'	500	19.33897222	83.65031944
		Munargaon-'C'	500	19.29935556	83.61786111
		Lakshmipur 'C'	800	19.47963889	83.65195278
		Pendili-'C'	1000	19.58525	83.77151667
		Bhimpur-'C'	500	19.36575556	83.87218889
		Gomma-'C'	300	19.43723333	83.65255556
		Kodupadu-'C'	600	19.256825	83.99073611
		K.Singpur-'C'	600	19.11936111	83.26487778
		<b>Total-</b>	<b>7500</b>		
2	Koraput	Dhaiguda PRF	372	N18.61527	E82.78552
		Low Kesili PRF	250	N18.654496	E82.768864
		Alubadi PRF	478	N18.599391	E82.686256
		Maijariguda PRF	200	N18.401190	E83.033889
		Ampabali	500	N18.33055	E82.658451
		<b>Total-</b>	<b>1800</b>		
3	Jeypore	Dandabadi - A	900	18.91720	82.23190
		Jeypore – A	500	18.46157	82.32033
		Dandabadi - A	1000	18.78970	82.18611
		<b>Total-</b>	<b>2400</b>		
5	Malkangiri	Sarangpalli RF	236	N 18.75000	E 82.158333
		Guppakonda PRF	101	N 18.7375	E 82.158333
		Jharapalli RF	135	N 18.467076	E 81.927295
		Gamphakonda RF	190	N 18.312639	E 81.950970
		Pedawada PRF	147	N 18.0686194	E 81.81866
		Tarlakoda PRF	268	N 18.0176528	E 81.70125
		Tarlakoda PRF	73	N 18.349778	E 82.054056
		Chitapari RF	151	N 18.298361	E 82.055556
		Balimela PRF	291	N 18.217167	E 82.088139
		Pusugudem PF	234	N 18.232314	E 82.112447
		Jantri PRF	559	N 17.85436	E 81.85503
		Kondakamberu	535	N 18.37833	E 82.35139
		Ramaguda	332	N 18.158138	E 82.22103
		Janbai	719	N 18.080333	E 82.28103
		Poleru	302	N 18.147444	E 82.0806
		Sileru East	569	N 18.136527	E 82.30058
		Bhejangiwada	396	N 18.06375	E 82.22644
		Bhejangiwada	388	N 18.040055	E 82.97925
		Bhejangiwada	214	N 18.080694	E 82.03367
		Bhejangiwada	351	N 18.041527	E 81.92297
Bhejangiwada	510	N 17.918163	E 81.76849		
Bhejangiwada	499	N 17.9343389	E 81.70091		
		<b>Total-</b>	<b>7200</b>	N 18.0148611	E 81.80179
		<b>Circle Total-</b>	<b>18900</b>		
		<b>Grand Total-</b>			

## Annexure-III-XI

### Ama Jangala Yojana

DIVISION WISE PHYSICAL & FINANCIAL TARGET OF AJY ACTIVITIES UNDER STATE CAMPA APO 2020-21																	
Name of DMU	No of VSS (During 20-21)	Publication and communication (For PMU)	Micro-plan preparation		Capacity Building of Forest Personnel and support personnel		ANR without Gap Planting (0th Year Operations)		ANR without Gap Planting (1st year Maintenance)		ANR without Gap Planting (2nd year Maintenance)		ANR without Gap Planting (3rd year Maintenance)		Block Plantation (4th year Maintenance)		Total
			(Rs. 10000/- per VSS)		(Rs. 14000/- per VSS/DMU & Rs.1000/- Per VSS/PMU)		(Rs. 3032 per Ha.)		(Rs. 12518 per Ha.)		(Rs. 3974 per Ha.)		(Rs. 1292 per Ha.)		(Rs. 5364 per Ha.)		
			Financial (In Rs.)	Physical (unit/H a./ VSS)	Financial (In Rs.)	Physical (unit/Ha./ VSS)	Financial (In Rs.)	Physical (unit/H a./ VSS)	Financial (In Rs.)	Physical (unit/Ha./ VSS)	Financial (In Rs.)	Physical (unit/Ha./ VSS)	Financial (In Rs.)	Physical (unit/Ha./ VSS)	Financial (In Rs.)	Physical (unit/H a./ VSS)	
Bonai	0		0	0	0	0	0	0	0	0	0	0	700	904400		0	904400
Deogarh	40		40	400000	40	560000	2000	6064000	1000	12518000	1000	3974000	1000	1292000			24808000
Jeyapore	70		70	700000	70	980000	3500	10612000	1000	12518000	1000	3974000	1000	1292000	60	321840	30397840
Keonjhar	25		25	250000	25	350000	1250	3790000	1000	12518000	1000	3974000	1000	1292000	40	214560	22388560
Parlakhemundi	50		50	500000	50	700000	2500	7580000	1000	12518000	1000	3974000	1000	1292000			26564000
Rourkela	30		30	300000	30	420000	1500	4548000	1000	12518000	1000	3974000	1000	1292000	50	268200	23320200
Angul	20		20	200000	20	280000	1000	3032000	1000	12518000	1000	3974000	1000	1292000			21296000
Balasore(wl)	60		60	600000	60	840000	3000	9096000	750	9388500	0	0	1000	1292000			21216500
Phulbani	115		115	1150000	115	1610000	5750	17434000	2000	25036000	1000	3974000	1000	1292000	10	53640	50549640
Baliguda	60		60	600000	60	840000	3000	9096000	1000	12518000	1000	3974000	1000	1292000			28320000
Koraput	90		90	900000	90	1260000	4500	13644000	1000	12518000	1000	3974000	1000	1292000	140	750960	34338960
Rayagada	90		90	900000	90	1260000	4500	13644000	1000	12518000	1000	3974000	1000	1292000	70	375480	33963480
Bolangir	110		110	1100000	110	1540000	5500	16676000	2500	31295000	2000	7948000	1000	1292000	140	750960	60601960
Kalahandi (N)	100		100	1000000	100	1400000	5000	15160000	1500	18777000	2000	7948000	1000	1292000	70	375480	45952480
Khariar	90		90	900000	90	1260000	4500	13644000	2000	25036000	2000	7948000	1000	1292000	120	643680	50723680
Bargarh	50		50	500000	50	700000	2500	7580000	1000	12518000	1000	3974000	1000	1292000	70	375480	26939480
Bamra(WL)	40		40	400000	40	560000	2000	6064000	1000	12518000	1000	3974000	1000	1292000			24808000
Keonjhar (WL)	30		30	300000	30	420000	1500	4548000							80	429120	5697120
Malkangiri	70		70	700000	70	980000	3500	10612000	2000	25036000	2000	7948000	1000	1292000	160	858240	47426240
Kalahandi(S)	90		90	900000	90	1260000	4500	13644000	3250	40683500	3000	11922000	1000	1292000			69701500
Nabarangpur	60		60	600000	60	840000	3000	9096000	1000	12518000	2000	7948000	5000	6460000			37462000
Rairakhol	20		20	200000	20	280000	1000	3032000	1000	12518000	2000	7948000	4000	5168000			29146000
PMU		2164000				1310000											3474000
<b>Total</b>	<b>1,310</b>	<b>21,64,000</b>	<b>1,310</b>	<b>1,31,00,000</b>	<b>1,310</b>	<b>1,96,50,000</b>	<b>65,500</b>	<b>19,85,96,000</b>	<b>27,000</b>	<b>33,79,86,000</b>	<b>27,000</b>	<b>10,72,98,000</b>	<b>27,700</b>	<b>3,57,88,400</b>	<b>1,010</b>	<b>54,17,640</b>	<b>72,00,00,040</b>

## Annexure- III-XII

### DETAILS OF WILDLIFE PROTECTION ACTIVITIES

#### (i) Implementation of Elephant-Train collision mitigation plan (Unit Cost @ LS)

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Berhampur	Division	6.00
2	Keonjhar (T)	Division	7.00
3	Rourkela	Division	7.00
<b>Total:-</b>			<b>20.00</b>

#### (ii) Mobility for Boats for patrolling/anti-depredation.anti-smuggling activities (Unit Cost @ LS)

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Satkosia Wildlife Division	Tikarpada	3.00
		Purunakote	3.00
		Jillinda	3.00
		Raigoda	3.00
		Pampasar	3.00
2	Mahanadi Wildlife Division	Chhamundia	6.00
		Sunakhania	4.00
3	Athmallik	Ghodagadi	4.00
4	Keonjhar (WL)	Not mentioned	10.00
5	Balasore ( WL)	Chandipur	2.00
		Jaleswar WL Range	2.00
6	Berhampur	Not mentioned	5.00
7	Puri WL	Moto (Boatman)	2.00
		Muhanamuhan (Boatman)	2.00
8	Chilika WL	Location Not mentioned	4.00
9	Mangrove WL	All Five Ranges	24.00
9	Bhadrak WL	Chandbali & Dhamara	10.00
11	Malkangiri	Mathili	4.00
12	Hirakud WL	Kamgaon	3.00
		Lakhanpur	3.00
<b>Total:-</b>			<b>100.00</b>

**(iii) Maintenance of control room to co-ordinate anti-poaching activities (Unit Cost @ Rs.6.71 lakh)**

<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Satkosia Wildlife Division	Angul	6.71
2	Mahanadi Wildlife Division	Nayagarh	6.71
3	Balasore WL	Balasore	6.71
4	Keonjhar (WL)	Anandapur	6.71
5	Similipal South	Baripada	6.71
6	Similipal North	Jasipur	6.71
7	Sunabeda WL	Nuapada	6.71
8	Puri WL	Puri	6.71
9	Chilika WL	Balugaon	6.71
10	Mangrove WL	Rajnagar	6.71
11	Chandaka WL	Bhubaneswar	6.71
12	Bhadrak WL	Chandbali	6.71
13	Bamra WL	Bamra	6.71
14	Hirakud WL	Sambalpur	6.71
15	DD, NZP	Nandankanan	6.71
<b>Total:-</b>			<b>100.65</b>



## Annexure- III-XIII

### LOCATION WISE DETAILS OF FOREST FIRE PREVENTION AND CONTROL

#### (i) Fire-fighting Squads (Unit Cost @ Rs.6.57 lakh)

SL. No.	Name of Division	Location	Total Amount (Rs.in Lakh)
1	2	3	4
1	Satkosia Wildlife Division	Tikarpada	6.57
		Purunakote	6.57
		Jillinda	6.57
		Raigoda	6.57
		Pampasa	6.57
2	Mahanadi Wildlife Division	Banigochha East	6.57
		Banigochha west	6.57
		Chhamundia	6.57
		Kusanga	6.57
3	Balasore WL	Chandipur	6.57
		Nilagiri	6.57
		Kuldiha	6.57
		Jalesore	6.57
4	Keonjhar (WL)	Anandapur	6.57
		Hadagarh	6.57
		Deogaon	6.57
		Brahmanipal	6.57
5	Similipal South	Upper barakamuda	6.57
		Jenabil	6.57
		Pithabata	6.57
		Nawana North	6.57
		Nawana South	6.57
		Chahala	6.57
		Jashipur (S)	6.57
6	Similipal North	Talabandha WL Range	6.57
		Chahala WL Range	6.57
		Barahipani WL Range	6.57
		Nawana (North) WL Range	6.57
		Gurguria WL Range	6.57
		Kendumundi WL Range	6.57
		Thakurmunda WL Range	6.57
7	Sunabeda WL	Sunabeda	6.57
		Nuapada	6.57
		Komna	6.57
8	Puri WL	Balukhand	6.57
9	Chilika WL	Rambha	6.57

10	Chandaka WL	Bhubaneswar	6.57
		Chandaka	6.57
		Haladia	6.57
		Dampara	6.57
11	Bamra WL	Bamra	6.57
		Badrama	6.57
		Kuchinda	6.57
		Kalasuni	6.57
		Jamankira	6.57
12	Hirakud WL	Lakhanpur	6.57
		Kamgaon	6.57
		Hirakud	6.57
<b>Total:-</b>			<b>315.36</b>

(ii) Fire fighting equipments including Blowers ( Unit cost @ Rs.0.61 lakh)

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	5	6	
1	Satkosia Wildlife Division	Tikarpada	1.22
		Purunakote	1.22
		Jillinda	1.22
		Raigoda	1.22
		Pampasar	1.22
2	Mahanadi Wildlife Division	Dhipisahi	1.22
		Badasilinga	1.22
		Banigochha	1.22
		Chhamundia	1.22
		Kusanga	1.22
3	Balasore WL	Jodachua,	0.61
		Tend	0.61
		Paikapada	0.61
		Khuntapatna	0.61
		Dhobasila	0.61
		Sajanagarh	0.61
		Patana	0.61
		Baradiha	0.61
4	Keonjhar (WL)	Anandapur	1.22
		Hadagarh	1.22
		Deogaon	1.22
		Brahmanipal	1.22
5	Similipal (South)	Similipal	7.32
6	Similipal (North)	Talabandha WL Range	1.22
		Chahala WL Range	1.22
		Barahipani WL Range	1.22

		Nawana (North) WL Range	1.22
		Gurguria WL Range	1.83
		Kendumundi WL Range	1.22
		Thakurmunda WL Range	1.22
7	Sunabeda WL	3 Ranges	3.66
8	Puri WL	Konark-Balukhand	1.22
9	Chilika WL	Location not mentioned	3.05
10	Chandaka WL	All Ranges	4.88
11	Bamra WL	Bamra	1.22
		Kuchinda	1.22
		Jamankira	0.61
		Badrama	0.61
		Kisinda	0.61
12	Hirakud WL	Dhodrokusum	1.83
		Lakhanpur	1.22
<b>Total:-</b>			<b>58.56</b>

<b>(iii) Training to fire-fighting squads (Unit Cost @ 0.15 lakh)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Satkosia Wildlife Division	Angul	0.15
2	Mahanadi Wildlife Division	Chhamundia	0.15
3	Balasore WL	Balasore	0.15
4	Keonjhar (WL)	Anandapur	0.15
5	Similipal South	Baripada	0.15
6	Similipal (North)	Jashipur	0.15
7	Sunabeda WL	Nuapada	0.15
8	Puri WL	Balukhand	0.15
9	Chilika WL	Rambha	0.15
10	Chandaka WL	All Ranges	0.15
11	Bamra WL	Bamra	0.15
12	Hirakud WL	Hirakud	0.15
<b>Total:-</b>			<b>1.80</b>

<b>(iv) Logistics Support for the fire-fighting squads (Unit Cost @ Rs.0.85 lakh)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Satkosia Wildlife Division	Tikarpada	0.85
		Purunakote	0.85
		Jillinda	0.85

		Raigoda	0.85
		Pampasa	0.85
2	Mahanadi Wildlife Division	Banigochha East	0.85
		Banigochha west	0.85
		Chhamundia	0.85
		Kusanga	0.85
3	Balasore WL	Chandipur	0.85
		Nilagiri	0.85
		Kuldiha	0.85
		Jalesore	0.85
4	Keonjhar (WL)	Anandapur	0.85
		Hadagarh	0.85
		Deogaon	0.85
		Brahmanipal	0.85
5	Similipal South	Upper barakamuda	0.85
		Jenabil	0.85
		Pithabata	0.85
		Nawana North	0.85
		Nawana South	0.85
		Chahala	0.85
		Jashipur (S)	0.85
6	Similipal North	Talabandha WL Range	0.85
		Chahala WL Range	0.85
		Barahipani WL Range	0.85
		Nawana (North) WL Range	0.85
		Gurguria WL Range	0.85
		Kendumundi WL Range	0.85
		Thakurmunda WL Range	0.85
7	Sunabeda WL	Sunabeda	0.85
		Nuapada	0.85
		Komna	0.85
8	Puri WL	Balukhand	0.85
9	Chilika WL	Rambha	0.85
10	Chandaka WL	Bhubaneswar	0.85
		Chandaka	0.85
		Haladia	0.85
		Dampara	0.85
11	Bamra WL	Bamra	0.85
		Badrama	0.85
		Kuchinda	0.85
		Kalasuni	0.85
		Jamankira	0.85
12	Hirakud WL	Lakhanpur	0.85
		Kamgaon	0.85
		Hirakud	0.85
<b>Total:-</b>			<b>40.80</b>

<b>(V) Fire-line creation &amp; maintenance (Unit Cost @ Rs.0.0298 lakh per Km.)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>1</b>	Satkosia Wildlife Division	Tikarpada RF compt. No. 8 & 3 (Katranga Ghati to Rangakhali-Jhanajhana)	0.596
		Tikarpada RF compt. No. 1 & 2 (Kaiyanbanka to Jhanajhana)	0.447
		Tikarpada RF compt. No. 5&9 (FRH to Katranga Nalla)	0.2682
		Tikarpada RF compt. No. 9 (Kkatranga Nallah to Katranga ghati)	0.2384
		Hatidhara RF comptt No. 24 & 26 (Chanagudi nallah to Nirmala)	0.745
		Ganjanidamak to Ambakhola	0.596
		Thakiri Amba to Dandamundia Chhaka	0.447
		Chhotkei to Chunabhathi via Asurakhola	0.2086
		Baghamunda to Rundipathara	0.298
		Fire line to Kadalikhola	0.745
		Budhithakurani to Kukurbindha	0.1788
		Podabhuin to Kahunighasa	0.0894
		Chelikothi to Hitei	0.1192
		Rasanda ghati to Barjupiashala	0.2384
		Rasanda Ghati to kuruma damak	0.0894
		Panchaphutia to Kuadoli	0.1192
		Border to Chingudia	0.1788
		Badasimili to Kandhianal	0.0894
		Majhipada RF comptt No.1, 2 & 3 ( Bidamara to Bipradiha) both side	0.447
		Majhipada RF comptt No.7 & 8 ( Balisahi to Nadapathar both side of Forest road)	0.0596
		Majhipada RF comptt No.4, 6 & 7 (Baladamara to Bidamara)	0.2384
		Kaiyanbanka to Tikarpada Both side of Forest road	0.745

		Majhipada RF compt. No. 1 to 5 , Bipradiha to Baradabani	0.2384
		Majhipada RF compt. No. 1 to 5 , Baradabani to Gohirapada, Plantation via Punjabi road	0.3874
		Tikarpada RF compt. No. 1 & 2 Kainbanka to Jhanajhana	0.745
		Majhipada DPF, Beherasahi DPF, Goindi DPF Koloni	0.447
		Bidamara to Bipradiha via kursing khola, Majhipada Rf-1,2,3	0.3874
		Ganjanidamak to Dalakhai	0.298
		Chahatia pada to Patia	0.0894
		Ganjandamak to Badasala	0.2086
		8 No chhaka to Dolabasa	0.298
1	Satkosia Wildlife Division	Patu to Patia	0.0894
		Labangi section Comptt. No.Balanga -12 to Balanga-11	0.745
		Tarava section Comptt No. Kuru- 2 to Kuru -1, kuru-3	0.894
		Katranga ghata to Compt. No.9 Mahandikhola through Jamunalia, piasal banka, similikhola then to Mahanandi khola	0.745
		Katranga ghata to Chunabhati through Sisukhunta, Rangamatia, Khalikon, Jhanyahana then to Chunabhati	0.596
		Bhimadhara to Patia	0.298
		Patia to Tinimundi	0.298
		Mahasandhi to Satidarah	0.298
		Gilsing line to Mahasandhi	0.298
		Chuanri Boarder to Chuanri camp	0.0894
		Budhikua to Satidarah	0.298
		Budhikua to Tinimundi	0.1788
		Budhikua to Ambakhola Pahada	0.596
		Chuanri chhaka to Chuanri camp	0.596
		Chhotkei to Ganjanidamak	0.2384
		Chhotkei to Chunabhati	0.3576
		Chhotkei to Chuanri via – Kuanali	0.298
		Tainsi 3 to Asanabahal chaka	0.1192
		Baghamunda to Purunakote	0.596
		Purunakote 15 - Dolabasa - Keutunikhola	0.3576
		Kaiyan Banka - Kukurpita - Jhanjhana	0.596

		Baghamunda to Rangamatia Pahada	0.596
		Purunakote to Chhotkei	0.2384
		Godabhanga to Kadalikhola	0.298
		Purunakote to Kaiyabanka	0.596
		Tuluka to Bhrukundi	0.3576
		Bhrukundi to Kuadoli	0.3576
		Purunakote to Gouranga Khola – Chahatiapada – Chunabhathi	0.298
		Purunakote to Badakheta	0.1788
		Hatigirija to Badadamak	0.1192
		Badakheta to Salor	0.1192
		Badakheta to Kukurbindha	0.298
		Badakheta to Podabhuin	0.596
		Patia to Fafeya patu	0.298
		Asurakhola to Santapindha	0.745
		Kainyabanka to Asurakhola	0.2086
1	Satkosia Wildlife Division	B - 1 Rundipathara to B - 2 AP gate Baghamunda	0.2682
		B - 5 Rangamatia to B - 8 Baradabani	0.2086
		B - 2 Devitangara to B - 8 Baradabani	0.2384
		B - 6 Raida to B - 8 Baradabani	0.596
		B - 1 Rundipathara to B- 6 Bipradiha	0.596
		Belari to Golmaricha Dandi	0.2086
		Border to Badasimili	0.0596
		Tersingh to Chingudia	0.1788
		Tersingh to Babapahada	0.298
		Kabatabara to Cherupanikhola	0.1192
		Kandhianala to GurandiKhol	0.447
		Kurumadamak to Chhelikothi pahada	0.2086
		Gurandikhola to Tersingh dandi	0.0894
		Sanajaripa ni to Kuadoli Camp	0.0596
		Sambarpakapatha to Gurandikhola	0.0596
		Siaridamak to Tersingh dandi	0.2384
		Baradamak to Kanjiakhola	0.596
		Jaribanka to Border	0.2384
		Kendupatha to Dhalunala	0.1788
		Khajurikon Bandha to Kanjiakhola	0.0894
		Fashifield to Khojurikon	0.0596
		Kanjiakhola to Majhikhaman to kuadoli Chhack	0.596
		Pampasar section comptt No. Takarsinga-1, 2, Jukub-2	0.596

		Baghamunda RF Compt. No.2 Karanja Nala to Baghamunda Compt. No.8 Baradabani	0.596
		Baghamunda RF Compt. No.9 A.P gate to Baghamunda Compt. No.8 Baradabani	0.298
2	Mahanadi Wildlife Division	Banigocha East	2.98
		Banigochha West	2.98
		Chhamundia	5.96
		Kusanga	2.98
3	Balasore WL	Kuldiha - I	0.298
		Kuldiha - I	0.149
		Kuldiha - I	0.298
		Kuldiha – II	0.149
		Kuldiha – II	0.149
		Santaragadia	0.149
		Santaragadia	0.298
		Tenda	0.149
		Panchalingeswar	0.149
		Panchalingeswar	0.149
		Chemchata	0.298
		Chemchata	0.149
		Chemchata	0.149
		Balianal	0.149
		Balianal	0.298
		Inside Kuldhia Sanctuary and Khuntapata Section	2.384
		Badanal, Mtrapur, Machhua	1.49
		Baradiha	1.49
4	Keonjhar (WL)	Rebana RF	4.47
		Atei RF	4.47
		Santoshpur RF	2.235
		Baranga RF	0.745
		Boula RF	2.98
5	Similipal South	All Range	29.8
6	Similipal North	Talabandha WL Range	2.682
		Chahala WL Range	2.682
		Barahipani WL Range	2.682
		Nawana (North) WL Range	2.682
		Gurguria WL Range	2.682
		Kendumundi WL Range	2.682
		Thakurmunda WL Range	2.682
7	Sunabeda WL	Golabadh to Maraguda Forest road both side	0.745
		Golabandh Ghati Nalla to Kankermenji	0.298
		Tikrapada to Pethiapali Footpath road	0.447
		Talabela to Rupiam	0.3278



		Ulat to Boirbhadi	0.447
		Ulat to Bagdhara	0.745
		Jalmari Road to Rupiam	0.596
		Rupiam to Jalmadei Boundary Line	0.3576
		Adar to Kechhapakhan	0.1192
		Kotrabeda to Kechhapkhan Foot path	0.2086
		Gudma to Garapara	0.298
		Kadaldongar to Bachhadarha	0.596
		Mayur nala to Bagdhoda	0.596
		Patkhaila to Kalijhola	0.596
		Belardana to Haluapali	0.596
		Siletpani to Majhagaon	0.596
		Belardana to Khaliapada	0.1192
		Chhot Lodra to Khaliapada	0.596
		Lodra Ghati to Katingpani Chhak	0.596
		Rajakendu to Jharlama	0.298
		Bhimbhata to Jharlama	0.298
		Bhotkapada to Chhotlodra	0.298
		Jonk nadi to Jemajharan nallah	0.447
		Jamlagard to Gundrupani	0.298
<b>7</b>	Sunabeda WL	Mohul Dongri to Singhi Darha	0.745
		Chandni Pahar to Garrapada	0.5364
		Ghatsil Pahar to Garrapada	0.3278
		Datunama to Khadang	0.4172
		Deodarha to Chatimal	0.4172
		Gaighati to Majhgaon	0.4172
		Kholibhitar beat Comp. line	0.3874
		Dhorlamunda beat Comp.line	0.4172
		Siletpani beat comp. line	0.298
		Mundapala to Golabandh	0.298
		Katajhola to Chandrasil Jharan	0.2086
		Kermeli to Bangaghati	0.596
<b>8</b>	Puri WL	Balighai PRF	0.6854
		Balukhanda RF	0.3278
		Palanka VSS Area	0.447
		Narasingha Patna VSS Area	0.447
		Motta VSS Area	0.298
		Gabakunda Brahmapda VSS Area	0.298
		Ramachandi FS	1.043
		Bhagabati FS	0.6556
		Liakhia PRF	1.1622
		Chandrabhaga FS	1.043
		Isaneswar FS	0.5066

		Kurujang FS	1.1324
		Guhalpur FS	0.894
		Golara PRF	0.9238
		Nadiamath PRF	0.596
		Konark FS	0.5364
		Manguleswar FS	0.5662
9	Chilika WL	Pital PRF	1.192
		Jhinkaria UDPF	1.192
		Nandighar UDPF	1.192
		Sanaghati PRF	1.192
		Karakhola PRF	1.192
		Talakhola PRF	1.192
		Ghantasila UDPF	0.298
10	Chandaka WL	Sunakhani DPF	1.788
		Akhanga PF	2.98
		Kujimahar Charichhak to SBP 1130	0.1341
		Kumarkhunti charichhak to Banra	0.0894
		Firinali to Kumarkhunti Charichhaka	0.1192
		Sunaribari to Dist.Border	0.0894
		Kateni to SBP	0.0745
		Godibari-Kumarkhunti	0.4023
		Chandaka RF	2.2499
		Bhola RF	0.596
		Barahpita RF	0.1341
		Chhatian to Kheluachua	0.2384
		10	Chandaka WL
Godabhanga Tangar-Mahuriabari	0.149		
Godibari to Bhalumundia	0.149		
Katurighasa to Jhumuka	0.0596		
Pathanagula to Kumarkhunti Charichhaka	0.149		
Chudanga WT to BP No.1309	0.0596		
Patharhandia to Banra SBP No.115	0.0894		
Pitagadia to Dalakhai	0.149		
Bualigarh to Dalakhai Hilltop Road	0.0298		
Charichhak to Dampara Tri-junction via District Boundary	0.2384		
Tarakei Rf	0.894		
Bantala PF	0.596		
Kodamunda DPF	1.49		
Brapita RF	1.1622		
Jagannath Prasad PRF	0.4768		
Bharatpur RF	0.2682		

11	Bamra WL	Add. Kansar to Bandhabhuin	0.149
		Badkhalia to University	0.298
		University to Pithamaren	0.0894
		Pithamaren to Dumermunda	0.0745
		Dumermunda to Kharmunda	0.0745
		Baghlat to Ghatitop	0.149
		Talibaghlat to Thelkochhpal	0.298
		Thelkochhpal to Trikut	0.149
		Pillr no-258 to Charchhakia	0.298
		Rabandihi Rf	0.298
		Jharsuguda Border (Bamra WL Range)	0.149
		Sisal Farm Adjoint area	0.0596
		Rangiatikra to Sagarpali	0.298
		11	Bamra WL
Charchuan to Rajabasa	0.149		
Mansaru to Kaijharan	0.2086		
Birdabahal to Dhudikani	0.0894		
Rajabasa to Kadalimunda	0.149		
Dasachatan to Kadalimunda	0.149		
Mainaguda to Kinupada	0.0894		
Burbuda to Lolobira	0.1192		
Jogimunda to San-firingibahal	0.0894		
Bandhabar RF line	0.1788		
Jhanghati to Pukhamal	0.2086		
Baghamunda DPF to Kinabaga	0.2384		
Jarabaga & Baghamunda	0.3278		
Sargidhi	0.2384		
Geojhumpa RF line to Kuladera side	0.2384		
Karlakhaman RF to Chandapahad	0.1788		
Kuladera RF to Manjalahansla	0.2086		
Sunamunda- Kichinda	0.1192		
Kichinda to Jurapali	0.2086		
Jurapali to Kadamghat	0.1192		
Sunamunda to Dhamunda	0.149		
Nuaroad to Rengalbeda	0.1192		
Niktimal to Garfati	0.2682		
Niktimal DPF to Mahasimaline	0.149		
Kuladera to Ghunghuti	0.2086		
Lalitaguna to Engina of (Bandhabar RF)	0.0894		
Sargipali border to Ghunghuti	0.298		
Kesaibahal Hanuman Mandir to Garpati RF	0.1788		
Dobhya Chowk to Garpati RF	0.1788		
Badkhali to Dethopoda	0.0596		

		Similbahal to Chatam	0.1788
		Kadamghat	0.2086
		Lambujharan , Rabga to Similbahal	0.149
		Bihabali to Nuapali	0.1788
11	Bamra WL	Mundlasakhmaguda DPF to Railway Line	0.298
		Dumku to Junebar, Sahajbahal area	0.1192
		Similbahal	0.2086
		Kalijharan VF	0.298
		Khajuria RF & Kandarpa-Lamdura DPF	0.447
		Khajuria RF	0.298
		Jharmunda to Barghat	0.447
		Kantabahal to Dambhuinpada	0.298
		Bichhutangar to Charvaya	0.298
		Kabribahal to Vikapali	0.298
		Khajuria RF	0.447
		Badrama RF Compt No- 1 and 2	1.49
		Badrama Mandir to Ghati uper	0.149
		Badrama Ghati to Patrapali	0.298
		Tower No-1 to Jally	0.298
		Jally to Sulia	0.298
		Add. Kansar to Bandhabhuin	0.149
		Badkhalia to University	0.298
		University to Pithamaren	0.0894
		Pithamaren to Dumermunda	0.0745
		Dumermunda to Kharmunda	0.0745
		Baghlat to Ghatitop	0.149
		Talibaghat to Thelkochhpal	0.298
		Thelkochhpal to Trikut	0.149
		Pillr no-258 to Charchhakia	0.298
		Ghatitop to BSNL Tower	0.0894
		Ghatitop to Biswalpali	0.1192
		Ghatitop, Ushakothi RF Compt No.5 & 6	0.2384
		Kenduleaf, Kharmunda, Ushakothi RF Compt No.5	0.149
		Sanctuary Gate to Adampada	0.0596
		Badkhalia to Amalang	0.149
		Pithamaren to Rabansa	0.0894
Bandhabhuin Nallah to University Spot	0.0894		
11	Bamra WL	Compt No.29 & 30	0.1192
		Barkachha to Ratakhandi (Khalasuni RF Compt No.1)	0.149

		Ratakhandi to Dumalaam (Khalasuni RF Compt No.1 & 2)	0.149
		Dumalaam to Bhalukhol (Khalasuni RF Compt No.2)	0.149
		Kisinda PRF	0.149
		Bhalukhol PRF	0.447
		Kadaliaam to Digabali (Khalasuni RF Compt No.2 & 3)	0.149
		Digbali to Rengalam (Khalasuni RF Compt No.3 & 5)	0.149
		Rengalaam to Bhoisahiguda (Khalasuni RF Compt No.5)	0.0894
		Asankhol to Dingiriduma (Khalasuni Compt No.11 & 12)	0.2384
		Panduakhol to Belaguda (Khalasuni RF Compt No.11)	0.1192
		Kamlapada to Hingaldhar	0.149
		Khalasuni RF line near (Piller no-72)	0.1341
		Gurdia to Kukudaghara (Khalasuni RF Compt No.11)	0.149
		Badiaam to Kuladera	0.149
		Turibahal to Haldiadara	0.0894
		Kuladera to Hiran	0.2086
		Dalbehera to Pindik	0.2086
		Champakhol to Barghati	0.0596
		Khalasuni RF line	0.0447
		Hitom to Dingriduma (Khalasuni RF Compt No.13)	0.1192
		Devikhol to Kusarikani (Khalasuni RF Compt No.15)	0.1192
		Bhegipada to Baghalendi (Khalasuni RF Compt No.15)	0.149
		Katangkhoh to Baghachhara (Khalasuni RF Compt No.14)	0.0894
		Katangkhoh to Sujikhoh (Charichhak)	0.1192
		Khalasuni RF line	0.1639
		Ranjana to Baliaam (Khalasun RF Compt No.13)	0.1192
		Peripathar to Akpadei	0.1043
		Kendumunda PRF	0.149
		Charichhak to Kusarikani	0.149
		Hitom to Kuainkhol Compt no-15	0.149
<b>12</b>	Hirakud WL	Dhodrokusum	8.195
		Lakhanpur	8.195
<b>Total:-</b>			<b>205.2326</b>

## Annexure- IX-IV

### DETAILS OF ANTI-DEPREDATION ACTIVITIES

(i) Anti-depredation Squads (Unit Cost @ Rs.18.583 lakh per Squad)

SL. No.	Name of Division	Location	Total Amount (Rs.in lakh)
1	Angul	Bantala	18.583
		Jarpada	18.583
		Chhendipada-I	18.583
		Kaniha	18.583
2	Dhenkanal	Dhenkanal	18.583
		Hindol Range	18.583
		Meramandali	18.583
		Gadasila	18.583
		Sardangi Range	18.583
		K. Nagar West Range	18.583
		Kapilash Range	18.583
		Mahabirroad Rnage	18.583
3	Satkosia Wildlife Division	Tikarpada	18.583
		Purunakote	18.583
		Raigoda	18.583
		Pampasar	18.583
		Angul Division Office	18.583
		Majhiparha	18.583
		Tuluka	18.583
		Jillinda	18.583
4	Mahanadi WL	Banigochha West	18.583
		Chhamundia- 2 Nos.	37.166
		Banigochha East	18.583
		Kusanga	18.583
5	Athagarh	Narasinghpur East Range	18.583
		Narasinghpur West Range	18.583
		Athagarh Range	18.583
		Khuntuni Range	18.583
		Badamba Range	18.583
6	Cuttack	Sukinda Range,	18.583
7	Athmallik	Handpa Range	18.583
		Bamur Range	18.583
		Madhapur Range	18.583
8	Balasore WL	Kuldiha	18.583
		Soro Range	18.583
		Nilgiri Range	18.583
		Panchalingeswar	18.583
		Kuntapatna	18.583
		Dhobsila	18.583
9	Rairangpur	Rairangpur Range	18.583
10	Karanjia	Satkosia Range	18.583
11	Baripada	Baripada	18.583
		Dukura	18.583
		Udala	18.583
12	Keonjhar (WL)	Anandapur	18.583
		Hadagarh	18.583
		Hadagarh	18.583
		Brahmanipal	18.583
13	Similipal (South)	Jenabil	18.583
		Nawana(S)	18.583
		Nawana (N)	18.583
		Chahala	18.583

		Pithabata	18.583
14	Similipal (North)	Ghatkuanri	18.583
		Kiajhari	18.583
		Ranipat	18.583
		Gurguria	18.583
		Sandhanala	18.583
		Madaljhari	18.583
		Karkatbeda	18.583
15	Brahmapur	Tumba	18.583
		Digapahandi	18.583
		Tamana	18.583
		Purunabandha	18.583
		Berhampur	18.583
16	Ghumsur (N)	Mujagada Range	18.583
		Bhanjanagar Range	18.583
17	Ghumsur South	Aska- 10 Nos. in Aska Range	18.583
		Guguda Range	18.583
		Surada Range	18.583
18	Parlakhemundi	Ramagiri	18.583
		Mohindra	18.583
		Chandragiri	18.583
19	Balliguda	Kotagarh	18.583
		Tumudibandha	18.583
		Balliguda	18.583
		Bamunigaon	18.583
20	Boudh	Boudh Range	18.583
		Kantamal	18.583
		Madhapur	18.583
21	Phulbani	Badabaraba	18.583
		Tikabali	18.583
22	Subarnapur	Binka Range	18.583
		Sonepur Range	18.583
		Ullunda Range	18.583
23	Bolangir	Harishankar Range	18.583
		Loisingha Range	18.583
24	Kalahandi North	M.Rampur	18.583
		Narla	18.583
25	Kalahandi South	Sagada	18.583
		Jugsaipatna	18.583
		Karlapat	18.583
26	Khariar	Sinapali Range	18.583
27	Sunabeda WL	Maraguda	18.583
		Sosenge	18.583
28	Puri WL	Balukhanda Range	18.583
		Astarang Range	18.583
		Gop Range	18.583
		Brahmagiri Range	18.583
29	Chilika Wildlife Division	Balugaon/ Rambha/ Tangi Range	18.583
		Satapada/ Chilika Range	18.583
30	City Forest	Bhubaneswar	18.583
		Bhubaneswar	18.583
		Cuttack	18.583
31	Mangrove Forest Division(WL)Rajnagar	Kujanga	18.583
		Mahakalpada	18.583
		Rajnagar	18.583
		Gahirmath	18.583
		Kanika	18.583
32	Chandaka WL	Rajnagar	18.583
		Chandaka	18.583
		Madua	18.583

		Malimuhna	18.583
		Dholakatha	18.583
		Hill Top	18.583
33	Khordha	Khordha	18.583
		Balugaon	18.583
		Ranpur	18.583
34	Nayagarh	Mahipur existing	18.583
		Oda gaon Range	18.583
35	Bhadrak WL	Bhadrak	18.583
		Chandbali	18.583
		Agarpada	18.583
36	Rayagada	Muniguda Range	18.583
		Rayagada Range	18.583
		Tikiri Range	18.583
37	Jeypore	Gupteswar	18.583
		Kundra	18.583
		Kotpad	18.583
		Borigumma	18.583
38	Nawarangpur	Nawaranpur	18.583
		Papadahandi	18.583
		Raighar	18.583
39	Koraput	Semiliguda	18.583
		Koraput	18.583
40	Malkangiri	Mathili Range	18.583
		Chitrakonda	18.583
41	Bonai	Kuliposh	18.583
		Jarda Range	18.583
42	Deogarh	Khamar Range	18.583
43	Keonjhar (T)	Ghatagaon Range	18.583
		Telkoi Range	18.583
		keonjhar Range	18.583
44	Rourkela	Panposh Range	18.583
		Banki Range	18.583
		Banki Range	18.583
		Rajgaganpur	18.583
45	Sundargarh	Sundargarh Range	18.583
		Bargaon Range	18.583
		Kujalpur	18.583
		Lepharipara	18.583
46	Sambalpur	Sadar Range	18.583
		Rengali	18.583
47	Jharsuguda	Bagdihi Range	18.583
		Kolabira	18.583
		Kolabira	18.583
48	Rairakhol	Redhakhhol Range	18.583
		Charmal	18.583
		Naktideul	18.583
49	Bamra WL	Garposh	18.583
		Badbahal	18.583
		Mendhalhal	18.583
		Kuchinda	18.583
		Badrama	18.583
		Kisinda	18.583
50	Bargarh	Bhatli Range	18.583
		Padmpur	18.583
51	Hirakud WL	Lakhanpur	18.583
		Kamgaon	18.583
		Samardhara	18.583
		Dhodrokusum	18.583
52	<b>DD, NZP</b>	Nandankanan	18.583
<b>Total:-</b>			<b>3233.44</b>



<b>(ii) Engagement of Wildlife Tracker (Unit Cost @ Rs.2.92 lakh per squad)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
1	Angul	Pokunda Sec.	2.92
		Nuabalanda	2.92
2	Dhenkanal	Dhenkanal	2.92
		Hindol	2.92
		Joranda	2.92
		Sadangi	2.92
		Kamakshya nagar West	2.92
		Mahabir Road	2.92
3	Satkosia Wildlife Division	Pampasar,	2.92
		Purunakote	2.92
4	Mahanadi Wildlife Division	Banigochha East	2.92
		Kusanga	2.92
5	Athagarh	Badamba Range	2.92
		Athagarh Range	2.92
6	Cuttack	Tomka/Sukinda	2.92
7	Athmallik	Madhapur	2.92
		Athmallik	2.92
		Bamur	2.92
8	Balasore WL	Nilgiri Range	2.92
		Soro Wildlife Range	2.92
9	Rairangpur	Badampahar Range	2.92
10	Karanjia	Gurguria Range Office area	2.92
11	Baripada	Betnoti	2.92
		Bangriposi	2.92
12	Keonjhar (WL)	Hadagarh	2.92
		Deogoan	2.92
		Brahmanipal.	2.92
13	Similipal (South)	Nawana (S)	2.92
14	STR (North)	Pithabata	2.92
15	Berhampur	Khalikote	2.92
		Satrusalya	2.92
16	Ghumsur (N)	Bhanjanagar	2.92
		Tarasingi	2.92
17	Ghumsur (S)	Guguda Range	2.92
		Surada Range	2.92
18	Parlakhemundi	Chandiput	2.92
		Bhismagiri	2.92
19	Balliguda	Kotgarh	2.92
		Belghar	2.92
		Tumudibandha	2.92
20	Boudh	Kantamal	2.92
		Madhapur	2.92
21	Phulbani	Tikabali	2.92
		Raikia	2.92
22	Subarnapur	BM pur Range	2.92
		Ullunda Range	2.92
23	Bolangir	Bolangir Range	2.92
		Loisingha Range	2.92
25	Kalahandi (N)	M.Rampur	2.92
		Narla	2.92
26	<b>Kalahandi (S)</b>	Jupshaipatna	2.92
		Sagada	2.92
		karlapat	2.92
27	Chilika WL	Rambha	2.92
28	Chandaka WL	Pathargadia	2.92
		karadapalli	2.92

		Pithakhia	2.92
29	Khurda	Khorda	2.92
		Balugaon	2.92
30	Nayagarh	Panchiriba	2.92
		Oda gaon Range-Gochha	2.92
31	Rayagada	Muniguda Range	2.92
32	<b>Koraput</b>	Koraput	2.92
33	Malkangiri	Balimela	2.92
34	Bonai	Sole	2.92
		Barsuan	2.92
35	Deogarh	Reamal	2.92
		Pallahara	2.92
36	Keonjhar (T)	Naranapur	2.92
		Kanjipani	2.92
		Khiretangir	2.92
37	Rourkela	Panposh	2.92
		Bishra	2.92
		Rajgangpur	2.92
38	Sundargarh	Sundargarh	2.92
		Kujalpur	2.92
		Bargaon	2.92
39	Sambalpur	Padiabahal	2.92
		Bhama	2.92
40	Jharsuguda	bagdihi	2.92
		Kolabira	2.92
41	Rairakhol	Girishchandrapur	2.92
		Naktideul	2.92
		Badmal	2.92
42	Bamra WL	Kholbilung	2.92
		Jamankira	2.92
43	Bargarh	Bhatli	2.92
		Padmpur	2.92
44	Hirakud WL	Lakhanpur	2.92
		Jhagadabehera	2.92
<b>Total:-</b>			<b>2.92</b>

<b>(iii) Implementation of Elephant-Train collision mitigation plan (Unit Cost @ LS)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
1	Berhampur	Division	6.00
2	Keonjhar (T)	Division	7.00
3	Rourkela	Division	7.00
<b>Total:-</b>			<b>20.00</b>

## Annexure- III-XV

### ACTIVITIES UNDER HABITAT IMPROVEMENT

(i) Creation of Water Body (Unit Cost @ Rs.5.96 lakh)			
SL. No.	Name of Division	Location	Total Amount (Rs.in lakh)
1	2	3	4
1	Angul	Balanga RF-4	5.96
		Katada RF-1	5.96
		Similipathar RF-1	5.96
		Chhendipada RF	5.96
		Kankurpal RF	5.96
		Seepur RF	5.96
2	Dhenkanal	Bhuban R.F- 1 No.	5.96
		Bhuban R.F- No.	5.96
		Sunajhari R.F- 1 No.	5.96
		Tipilei R.F - 1 No.	5.96
		Ranjagarh RF near Khidkidwar - 1 No.	5.96
		Ranjagarh RF near Baradakota - 1 No.	5.96
3	Satkosia Wildlife Division	Tikarpada RF comptt No-6 Laibania	5.96
		Baghamunda - 7 Muhan khali	5.96
		Jariutha at Katranga Comptt No.8	5.96
		Takarsingha at Chhotamunda Compt. No.1	5.96
		Laibania	5.96
4	Mahanadi Wildlife Division	Banigochha East	5.96
		Banigochha west	5.96
		Chhamundia- 2 Nos.	11.92
		Kusanga	5.96
5	Athagarh	Barakhola, Compt. No. 2 Nos.	11.92
		Baniabandha RF	5.96
		Suniamuhan RF- 2 Nos.	11.92
		Ranibania RF	5.96
		Jenapada RF	5.96
6	Cuttack	Sanjaya Nagar of Dalijora Range	5.96
		Teligarh of Dalijora Range	5.96
		Darpan of Dalijora Range	5.96
		Mankadachua of Tomka Range	5.96
		Mahulamula of Tomka Range	5.96
		Sendhapadia inside Mahagiri DPF	5.96
		Chanakote inside Daitary DPF	5.96
		Inside Panchavaya PRF of Dalijora Range	5.96
		Near Bandhapalli PRF of Dalijora Range	5.96
		Inside Kalakala PRF of Dalijora Range.	5.96

		Tailangi (in Daitary DPF)	5.96
7	Athmallik	Kamalpur	5.96
		Ambasaramunda	5.96
		Nuagaon RF- 1	5.96
		NRF Compt. No. 33	5.96
		Hatidhar RF Compt No.44	5.96
		Kubera RF	5.96
		Taleipathar RF	5.96
		Nuagaon RF Compt No- 1	5.96
		Northen RF Compt No.3	5.96
		Handapa RF Compt No.1	5.96
		Kusumukhuri RF Compt No.1	5.96
		Hatidhara RF Compt No.28	5.96
		8	Balasore (WL)
Binatpursahi	5.96		
Badanal	5.96		
Budusahi	5.96		
9	Rairangpur	Rajabasa	5.96
		Mangaldihi	5.96
		Jhatishiring	5.96
10	Karanja	Mandaljhari	5.96
		Khediaposi	5.96
		Keshdiha	5.96
		Keshdiha	5.96
		NaarBandu Nala (Compt No-17)	5.96
		Bayadahi Compt No-14	5.96
		Compt No-14	5.96
		Dalki Matho Compt No-13	5.96
11	Baripada	Ghanghana	5.96
		Kutling	5.96
		Nuagaon	5.96
		Notto	5.96
		Betjharan	5.96
		Hinjalgadia	5.96
		Dhilajagatpur	5.96
		Gandigodha	5.96
		Mudrajodi	5.96
12	Keonjhar (WL)	Baranga RF	5.96
		Santoshpur RF near sankacha	5.96
		Atei RF near Arjunabania	5.96
		Rebana RF near Kanheigoda	5.96
		Atei RF near Marshapal	5.96
		Santoshpur RF near Mandapada	5.96
		Santoshpur RF near Khajuribani	5.96
		Boula RF near Bahia	5.96
		Rebana RF near Nipania	5.96
		Rebana RF near Budhipada	5.96

13	Similipal (North)	Mandaljhari	5.96
		Inside SL	5.96
14	Berhampur	Berhampur Range	5.96
		Batapalli	5.96
15	Ghumsur (N)	Paichhalia RF C/5	5.96
		JP RF C/9	5.96
16	Ghumsur (S)	Aska Range- Kusuraba	5.96
		Aska Range- Garbaganda	5.96
17	Parlakhemundi	Labanyagada	5.96
		Madhyakholo	5.96
18	Balliguda	Mahaperu (Tumudibandha Range)	5.96
		Randang (Tumudibandha Range)	5.96
19	Boudh	Bankamundi RF C/9	5.96
		Padhel RF	5.96
20	Subarnapur	Sergeda	5.96
		Durdura	5.96
21	Bolangir	Sikepat RF	5.96
		Sikachhida VF	5.96
22	Kalahandi (N)	All Ranges- 2 Nos.	11.92
23	Kalahandi (S)	Ruptakhuti	5.96
		Kurkuti	5.96
24	Khariar	Nuapapada	5.96
		Bahabal	5.96
25	Sunabeda WL	Katel	5.96
		Kantajhola	5.96
26	Puri WL	Brahmagiri Range, Moto	5.96
27	Chilika WL	Berhampura PRF	5.96
28	Mangrove WL	Hetamundia PRF	5.96
		N Mahisamada RF	5.96
29	Chandaka WL	District Border, Chandaka R.F Mulijhara	5.96
30	Khordha	Patia RF	5.96
		Mal RF near Betuli	5.96
31	Nayagarh	Mahipur Range - Gumi Section Palva RF C/8 near Raniguma	5.96
		Mahipur Range - Gumi Section Ragadimada RF C/1 near village Dimiria	5.96
32	Rayagada	<b><u>Rayagada Range</u></b> Gumma RF	5.96
		Kodupadu RF	5.96
33	Jeypore	Pokhnaguda	5.96
		Tallur RF	5.96
34	Nawarangpur	Tondaguda RF of Nabarangpur	5.96
		Tondaguda RF of Nabarangpur	5.96
35	Koraput	Nisar	5.96
		Naranga	5.96
36	Malkangiri	Gotiguda	5.96
		Sarangapalli	5.96
37	Bonai	Ulsura RF	5.96

		Kello RF	5.96
		Kuliposh	5.96
		Kuliposh	5.96
		Koira Range	5.96
38	Deogarh	Nuadihi Section (Rambhadevi RF near Jharamundai	5.96
		Kunjam RF near Bhagirathpur	5.96
39	Keonjhar (T)	Kalapat RF - Similipal	5.96
		Sankoi RF - Madhyapur	5.96
40	Rourkela	Hatidharsha	5.96
		Kalodih	5.96
41	Sundargarh	Subdega Section (Bamdera)	5.96
		Rouldega Section (Mahulgaon RF)	5.96
42	Samalpur	Dhama - Tabloi-Deogaon RP (Digjharan)	5.96
		Sadar- Basiapada- Birisingharh RF (Birghat)	5.96
		Dhama-Tabloi-Deogaon RF (Tabloi)	5.96
		Sadar- (Jaduloisingh-Gungaghar RF)	5.96
		Rengali (Jharghapati- Garpati RF)	5.96
43	Jharsuguda	Rajpur PRF	5.96
		Katikela RF	5.96
		Kumudapali VF	5.96
		Lariapali DPF	5.96
44	Rairakhol	Sodo	5.96
		Jaresingha	5.96
		Mochibahal PRF	5.96
		Rahan RF	5.96
		Sagamolia RF Badbenda	5.96
		Kholgarh C 9 Tikilpada	5.96
		Kholgarh C 38 gunjighara	5.96
		Sagmoli RF Halikhol near Mundapada	5.96
45	Bamra WL	Belmunda	5.96
		Betjharan RF	5.96
		Betjharan RF	5.96
		Thakurniktimal PRF	5.96
		Gailmundi PRF	5.96
		Betjharan RF	5.96
		Khajuria RF (Kuchinda WL Range)	5.96
		Addl.Kansar RF, Jamjharan	5.96
		Khalasuni R.F-Compt-1, (Barabetal)	5.96
		Khalasuni RF, Compt-11 (Balaguda)	5.96
		Bandhabar RF Kaijharan	5.96
		Garpati Rf	5.96
		Kharmunda Badrama RF	5.96
		Ushakothi RF Compt no-7(Rengumunda )	5.96
46	Bargarh	Dechuan RF (Ghudkiar Ghatan)	5.96
		Dechuan RF ( Kurel Khol )	5.96

		Jadamunda SDBR RF	5.96
47	Hirakud (WL)	Dhodrokusum	5.96
		Chourasimal	5.96
<b>Total:-</b>			<b>1072.80</b>

**(ii) Maintenance of Water Body created during previous year  
(Unit Cost @ Rs.0.9685 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Angul	Pathargarh PRF	0.9685
		Durgapur RF	0.9685
		Chhendipada RF	0.9685
		Badakathia RF	0.9685
		Kajihar RF	0.9685
2	Dhenkanal	Kapilash RF, Compt. No.1	0.9685
		Kapilash WL Sanctuary	0.9685
		Ranjarah RF	0.9685
		Ananatapur RF near Bgahamunda	0.9685
		Suniamaru RF	0.9685
		Anlaberani RF near Bhogaberani	0.9685
		Anantapur RF near Gundichanali	0.9685
		Anantapur RF near Khuribhanga	0.9685
		Tipilei RF	0.9685
		Majuri RF	0.9685
3	Satkosia Wildlife Division	Majhipada DPF Goudanali	0.9685
		Majhipada DPF Gandhaptapa	0.9685
		Tikarpada RF comptt No-8 Sisookhunta	0.9685
		Tikarpada RF comptt No-2 Balhatapa	0.9685
		Tersingh	0.9685
4	Mahanadi Wildlife Division	Chhamundia	0.9685
		Chhamundia	0.9685
		Kusanga	0.9685
		Banigochha East	0.9685
		Banigochha West	0.9685
5	Athagarh	Deobhuin RF, Compt. No. 5	0.9685
		Deobhuin RF, Compt. No. 13	0.9685
		Tareiganda RF, Compt. No. 3	0.9685
		Haladaseni RF, Compt. No. 2	0.9685
6	Cuttack	Inside Kolha PRF of Dalijora Range	0.9685
		Inside Nalida PRF of Dalijora Range	0.9685
		Khariapada in Dalijora RF of Dalijora Range	0.9685
		Banjhiama in Dalijora RF of Dalijora Range	0.9685
		Deogaon of Sukinda Range	0.9685
		Inside Kolha PRF of Dalijora Range	0.9685

7	Athmallik	Mahendrapur RF	0.9685
		East Baruni-7	0.9685
		Nuagaon RF-2	0.9685
		Nuagaon RF-5	0.9685
		NRF Comptt. No.36	0.9685
8	Balasore WL	Jodachua Water body	0.9685
		Dabapokhari	0.9685
		Jodiasta water body	0.9685
9	Rairangpur	Patharkata	0.9685
		Jagannathpur	0.9685
10	Karanja	Karkatbeda	0.9685
		Khediaposi	0.9685
		Keshdiha	0.9685
		Jambani Compt No-16	0.9685
		Khudisila Compt No-20	0.9685
		Dhatkidiha (Nunkhai),	0.9685
11	Baripada	Sansole	0.9685
		Srirampur	0.9685
		Kathagahala	0.9685
		Notto (Bandhasahi)	0.9685
		Salghati	0.9685
		Sugudadihi	0.9685
		Chapadihi	0.9685
		Tarajodi	0.9685
12	Keonjhar (WL)	Rebana RF	0.9685
		Atei RF	0.9685
		Santoshpur RF	0.9685
		Boula RF	0.9685
		Baranga RF	0.9685
		Atei RF near Hatikucha	0.9685
13	Similipal (North)	Kumudabadi	0.9685
		Karkatbeda	0.9685
14	Berhampur	Mahuri Kalua	0.9685
		Gudari	0.9685
15	Ghumsur (N)	JP RF C/7	0.9685
16	Ghumsur (S)	Aska Range- Madanagandapali	0.9685
		Aska Range- Ustapalli	0.9685
17	Balliguda	Lassery RF (Kotagarh Range)	0.9685
18	Parlakhemundi	Durgam UDPF (Piasal Plot)	0.9685
		Durgam UDPF (Styloseed Plant Back )	0.9685
19	Boudh	Putputigarh RF C/5	0.9685
		Padhel RF	0.9685
20	Phulbani	Raikia (Karada PRF)	0.9685
21	Subarnapur	Durdura	0.9685
		Durdura	0.9685
22	Bolangir	Bheluankhol	0.9685



		Ghunsar	0.9685
23	Kalahandi (N)	All Ranges	0.9685
24	Kalahandi (S)	Kankrimal	0.9685
		Tinputipada (Nehela RF)	0.9685
25	Khariar	Nuapada	0.9685
		Kamkeda	0.9685
26	Sunabeda WL	Moti nalla	0.9685
		Sahajpani	0.9685
27	Puri (WL)	Balukhanda-Konarka WL. Sanctuary	0.9685
28	Chilika WL	Rambhartia PRF	0.9685
		Berhampura PRF	0.9685
29	Mangrove WL	Talachua pond	0.9685
		Khasabadi	0.9685
30	Chandaka WL	Kuasaura	0.9685
		Dhoba Bandha	0.9685
31	Khurda	Rengal PRF	0.9685
		Jamuna-Jharapada PRF	0.9685
32	Nayagarh	Sulia RF of Odagaon Range	0.9685
		Dholamaska Beat	0.9685
		Gochha RF Odagaon Range	0.9685
33	Rayagada	Rayagada	0.9685
		Rayagada	0.9685
34	Jeypore	Malchama-2	0.9685
		Malchama-3	0.9685
		Jabapadar (Kusumguda)	0.9685
35	Koraput	Bhimdol RF (Near Praja Bhimdol)	0.9685
36	Nawarangpur	Padeiguda PRF of Nabarangpur Range	0.9685
		Khajuri inside Barli RF of Dabugam Range	0.9685
37	Malkangiri	Kamalapadar	0.9685
		Dakrijodi	0.9685
38	Bonai	Raipiri RF	0.9685
		Raipiri RF	0.9685
		Rushimath RF of Tamra Range	0.9685
		Gurundia PRF of Tamra Range	0.9685
		Kunjar RF of Sole Range	0.9685
		Sirigida RF of Sole Range	0.9685
39	Deogarh	Khajuria RF Near Laimura	0.9685
		Paudi RF near Purunapani	0.9685
40	Keonjhar (T)	Kalapokhari	0.9685
		Ghuntutposi	0.9685
		Ahigola	0.9685
41	Rourkela	Panposh	0.9685
		Banki	0.9685
42	Sundargarh	Patkijore & Gidpahadi	0.9685
		Tiklipara RF, Nuarmal	0.9685
43	Sambalpur	Magarkunda	0.9685

		Kayakud near Jamkhulia	0.9685
		Dumerchuan-Mundher RF near Beherapali	0.9685
		Dhama- Tabloi-Deogaon RF (Tangianisa)	0.9685
44	Jharsuguda	Pitamal PRF	0.9685
		Badmal VF	0.9685
		Deopali VF	0.9685
		Malimunda VF	0.9685
45	Rairakhol	Tal-Kholgarh corridor area.	0.9685
		Near Punjipathar	0.9685
		Mochibahal near Landakote RF	0.9685
		Churbarni near Landakote RF	0.9685
46	Bamra WL	Haldibahal	0.9685
		Goseimatha	0.9685
		Jhunapani	0.9685
		Bandhabar RF	0.9685
		Pravasuni RF	0.9685
		Khajuria RF Jamankira WL Range	0.9685
		Binjipali RF	0.9685
		Addl Kansar RF	0.9685
47	Bargarh	Kurlubahal	0.9685
		Chardapali PRF	0.9685
48	Hirakud WL	Kurdudhuda	0.9685
		Jamchuan	0.9685
<b>Total:-</b>			<b>145.28</b>

**(iii) Plantation of Fruit Bearing and Fodder species around water bodies and Maintenance thereof (Unit Cost @ Rs.501/-)**

SL. No.	Name of Division	Location	Total Amount (Rs.in lakh)
1	2	3	4
1	Angul	Nuakheta RF	0.2505
		Khinda BLG-4	0.2505
2	Athmallik	Ghosarakhol Taleipathar Compt No-5	0.2505
		East Baruni Compt No-3	0.2505
3	Satkosia Wildlife Division	Tulka RF Compt. No.9	0.2505
		Raigoda RF Compt. No.6	0.2505
		Kuru RF Compt. No.1	0.2505
4	Dhenkanal	Kapilash WL sanctuary	0.2505
		Anantapur RF	0.2505
5	Mahanadi Wildlife Division	Banigochha East	0.2505
		Chhamundia	0.2505
6	Athagarh	Barakhola, Compt. No. 2	0.2505
		Baniabandha RF	0.2505
7	Cuttack	Amiyajhari, Byree beat, Dalijoda Range.	0.2505
8	Rairangpur	Charkadihi	0.2505

9	Karanjia	Kalaitumba	0.2505
		Inside Mankadbeda RF	0.2505
10	Baripada	Ghanghana	0.2505
		Kutling	0.2505
11	Keonjhar (WL)	Rebana RF	0.2505
		Atei RF	0.2505
		Santoshpur RF	0.2505
12	Ghumsur (N)	Ragada RF C/2	0.2505
		Kaliamba RF C/3	0.2505
13	Ghumsur (S)	Kadapada RF at Kumunda of Buguda Range	0.2505
		Pandakhola RF, Comptt. 23,of Surada Range	0.2505
14	Balliguda	Makadola	0.2505
		Kakamaska	0.2505
15	Boudh	Bankamundi RF C/6	0.2505
		Subarnagiri RF, C/13	0.2505
16	Phulbani	Sudrukumpa	0.2505
		Raikia	0.2505
17	Subarnapur	Gadgadbahal	0.2505
		Singhijuba	0.2505
18	Bolangir	Banji RF	0.2505
		Sunaadiki RF	0.2505
19	Kalahandi (N)	Kadlighati RF	0.2505
		M.Rampur	0.2505
20	Kalahandi (S)	Dunda	0.2505
		Ratanpala	0.2505
21	Khariar	Chakadongar PRF	0.2505
		Kamkeda-Tandel 'C' PRF	0.2505
22	Sunabeda WL	Moti Nalla	0.2505
		Bendra chuan	0.2505
23	Puri WL	Guhalpur	0.2505
		Manguleswar	0.2505
24	Chilika WL	Nandighar DPF	0.2505
25	Mangrove WL	Sahadabedi	0.2505
		Kalibhanjadia	0.2505
26	Chandaka WL	Kaniar Tangara, Bholo RF	0.2505
27	Nayagarh	Ragadimada RF C/8	0.2505
		Guriabari RF	0.2505
28	Rayagada	Gumma RF	0.2505
		Kodupadu RF	0.2505
29	Jeypore	Jhodiguda (Boipariguda RF)	0.2505
		Dhandhrakhhol RF	0.2505
30	Nawarangpur	Jiraguda	0.2505
		Kongra	0.2505
31	Malkangiri	Jhileruguda	0.2505
		Kamalapadar	0.2505
32	Bonai	Raipiri RF	0.2505

		Raipiri RF	0.2505
33	Deogarh	Khajuri RF near Laimura	0.2505
		Paudi RF near Purunapani	0.2505
34	Keonjhar (T)	Kalapat RF - Similipal	0.2505
		Sankoi RF - Madhyapur	0.2505
35	Rourkela	N. Chirobeda RF	0.2505
		Hatibari	0.2505
36	Sundargarh	Gitpahadi	0.2505
		Patkijore	0.2505
37	Jharsuguda	Patmahal PRF	0.2505
		Badamal VF	0.2505
38	Rairakhol	R Badmal RF	0.2505
		Rahan RF	0.2505
39	Bamra WL	Bandhabar RF	0.2505
		Pravasuni RF	0.2505
		Binjipali RF	0.2505
		Badrama RF	0.2505
40	Bargarh	Dechuan RF ( Kurel Khol )	0.2505
		Budhadangar PRF Near Jamartala	0.2505
		Chirolipathar PRF	0.2505
<b>Total:-</b>			<b>20.2905</b>

<b>(iv) 2 nd year maintenance of plantation of Fruit and Fodder species around water bodies (Unit Cost @ Rs.186/-)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs in lakhs.)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Angul	Nuakheta RF 2	0.093
		Nuakheta RF 5	0.093
		Katada RF Comptt No-3	0.093
		Similipathar - 8	0.093
		Chhendipada RF	0.093
		Kankurpal RF	0.093
		Kurudu PRF - I	0.093
		Burti PRF Compt No. V	0.093
		Kanheijena RF	0.093
		Bulajhar RF	0.093
		Badakathia R.F	0.093
		Patakaman RF	0.093
		2	Dhenkanal
Hindol Range	0.093		
Kapilash	0.093		
Sadangi	0.093		
K.Nagar east	0.093		
K.Nagar West	0.093		

		Mahabirod	0.093
		Bhuban	0.093
3	Satkosia Wildlife Division	Katrang Compt. No.9 (Ranibandha)	0.093
		Katrang Compt.4 (Khajuri nalia)	0.093
		Katrang Compt.10 (Similikhola)	0.093
		Katrang Compt.8 (Narada Ghai)	0.093
		Raigoda compt. No.1 (Brahmani Dei)	0.093
		Raigoda Compt.2 (Majhikhaman)	0.093
		Raigoda Compt.5 (Sathieekara)	0.093
		Raigoda Compt.6 (Tuluka patia)	0.093
		Balanga Compt. No.11 (Kantarsingha Bandha)	0.093
		Kuru RF Compt.1 (Dihasaahi bandha)	0.093
4	Balasore WL	Mundhia water body	0.093
		Bubeibasa water body	0.093
		Badasal water body	0.093
		Jodachua Water body	0.093
		Dabapokhari	0.093
		Gendachaturi	0.093
		Saltpit water body	0.093
		Jodiasta water body	0.093
		Khundudi Water body	0.093
		Ambapada Water body	0.093
		5	Karanja
Inside Mankadbeda RF	0.093		
Inside Banamunda RF	0.093		
6	Baripada	Ghanghana	0.093
		Kutling	0.093
		Dhaundia	0.093
		Bhandasahi	0.093
7	Keonjhar (WL)	Rebana RF	0.279
		Atei RF	0.279
		Santoshpur RF	0.186
		Boula RF	0.186
8	Berhampur	Panauagaon	0.093
		Kanthiguda	0.093
		Uttama-Digapa	0.093
		Mathura	0.093
9	Balliguda	Belghar	0.093
		Madaguda	0.093
		Dupi	0.093
10	Phulbani	Sudrukumpa	0.093
		Raikia	0.093
11	Bolangir	Banji RF	0.093
		Sunaadiki RF	0.093
		Sikepat RF	0.093
12	Subarnapur	Gadgadbahal	0.093

		Singhijuba	0.093
		Baradunguri	0.093
		Singhijuba	0.093
		Mahada	0.093
		Siali	0.093
		Kasalpur	0.093
		Gadgadbahal	0.093
		Nandighospali	0.093
<b>13</b>	Kalahandi (S)	Dunda	0.093
		Ratanpala	0.093
		Sankarpala	0.093
		Ankri	0.093
		Ruptakhuti	0.093
		Kurkuti	0.093
		Luratekri	0.093
		Surguda	0.093
		Parlang	0.093
		Phurli	0.093
		Loharadungari	0.093
		Surlipadar ( Karlapat RF)	0.093
		Merkil (Nehela RF)	0.093
		Dhobanchachara (Karlapat RF)	0.093
		Surlimali (Karlapat RF)	0.093
		Bileibhata (Karlapat RF)	0.093
		Kwespat (Karlapat RF)	0.093
Kutuljore (Karlapat RF)	0.093		
Sanchapra ( Nehela RF)	0.093		
<b>14</b>	Khariar	Tulsipada-Choura PRF	0.093
		Choura A PRF-Kampaniguma	0.093
		Danujhola	0.093
		Mallickmunda	0.093
		Ghati PRF	0.093
		Kanabhaira PRF	0.093
		Darlipada-Kendumunda 'C' PRF	0.093
		Darlipada-Koilkhala PRF	0.093
		Masankunda 'A' PRF	0.093
		Jampani PRF	0.093
<b>15</b>	Sunabeda WL	Moti Nalla	0.093
		Bendra chuan	0.093
		Bijakhola	0.093
		Harlajholka	0.093
		Bhotha	0.093
		Pradhan dongri	0.093
		Katingpani	0.093
		Bhaosil	0.093
		Gurjibhata	0.093

		Birmat	0.093
		Kendubhata	0.093
		Kendumathan	0.093
		Jamkhola	0.093
		Deodarha	0.093
		Dharabhata	0.093
		Kholigaon	0.093
		Chikili	0.093
		Chhatabeda	0.093
		Siletpani	0.093
		Lodra	0.093
		Malpada	0.093
		Michhapali	0.093
<b>16</b>	Puri WL	Balighai PRF	0.093
		Balighai PRF	0.093
		Balighai PRF	0.093
		Ramachandi F.S	0.093
		Manguleswar F.S	0.093
		Konark F.S	0.093
<b>17</b>	Chandaka WL	Jaria	0.093
<b>18</b>	Khurda	Khordha	0.186
		Balugaon	0.186
		Tangi	0.093
		Tangi	0.093
		Ranpur	0.372
<b>19</b>	Jeypore	Malchama -2	0.093
		Malcham-1	0.093
		Pokhnaguda	0.093
		Rexkanadi	0.093
<b>20</b>	Nawarangpur	Disariguda inside Betjharan RF of Nabarangpur Range	0.093
		Jobaguda inside Deobangari RF of Kodinga Range	0.093
		Gumudali inside Podabasa RF of Kodinga Range	0.093
		Ponduguda inside Atigam RF of Kodinga Range	0.093
		Tulsipadar inside Maidapur PRF of Dabugam Range	0.093
		Godegam inside Godegam PRF of Dabugam Range	0.093
		Khajuri inside Barli RF of Dabugam Range	0.093
		Birisadi inside Torenga RF of Umerkote Range	0.093
		Karamari inside Podagada RF of Umerkote	0.093
		Karlapada inside Panabeda PRF of Jharigam	0.093

		Pandkichapar inside Deobahndha PRF of Jharigam Range	0.093
		Gochaguda inside Bharsundi RF of Raighar Range	0.093
		Junanipara inside Hatibena PRF of Raighar Range	0.093
		Kundrapani inside Hatigam RF of Raighar Range	0.093
<b>21</b>	Malkangiri	Kamarguda	0.186
		Balimela	0.186
		Somanathpur	0.186
		Mundiguda	0.186
<b>22</b>	Bonai	Kello RF	0.093
		Majurdima RF	0.093
		Rushimath RF	0.093
		Kuliposh	0.093
		Kuliposh	0.093
<b>23</b>	Deogarh	Chialantikhol PRF near Jharagogua	0.093
		Pravasuni RF near Jualibhanga	0.093
		Badtaila RF near Kantapali	0.093
		Badtaila RF near makarmunda	0.093
		Palsama K.F. Near Palasama village	0.093
		Tarang PRF near Thakaramal	0.093
		Malyagiri RF near Boitasarei	0.093
		Malayagiri RF near Tambur village	0.093
<b>24</b>	Rourkela	Badpurnapani	0.093
		Kendudihi	0.093
		Sardhapur	0.093
		Banki	0.093
		Kucheita	0.093
		Budhikani	0.093
		Khairtola	0.093
		Sanramloi	0.093
		Ankurpali	0.093
		Jharbeda	0.093
		Dumerjore	0.093
		Lathikata	0.093
		Hatibandha	0.093
		Dumerta	0.093
		Ramjodi	0.093
		Potab	0.093
		Dhumaguda	0.093
		Purnapani	0.093
		<b>25</b>	Sundargarh
Kendudihi	0.093		
Dhangergudi (Musabira)	0.093		
Garjanpahad RF	0.093		
Jamtalia	0.093		



		Beheradihi	0.093
		Kendudihi	0.093
		Dhangergudi (Musabira)	0.093
		Keseijharan	0.093
		Lambeibahal	0.093
26	Sambalpur	Tabloi -Deoganon RF	0.093
		Birsingharh RF	0.093
		Tabloi -Deoganon RF	0.093
		Mundhar-Dhumarchua RF	0.093
		Batemura RF	0.093
		Jharghati-Garpati RF	0.093
27	Rairakhol	Sodo	0.093
		Jaresingha	0.093
		Mochibahal PRF	0.093
		R Badmal RF	0.093
		Rahan RF	0.093
		Rahan RF	0.093
28	Bamra WL	Ushakothi RF (Thekochapal & Baghlat)	0.186
		Khalasuni RF	0.186
		Addl Kansar RF	0.186
29	Bargarh	Tulandi RF	0.093
		Barahagoda RF	0.093
		Dechuan RF BaniJhari	0.093
		Mahadasini PRF	0.093
<b>Total:-</b>			<b>21.855</b>

<b>(v) Third year maintenance of fruit &amp; Fodder species around water bodies (Unit Cost @ Rs.113/-)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Dhenkanal	Dhenkanal	0.113
		Hindol Range	0.113
		Kapilash	0.113
		Sadangi	0.113
		K.Nagar east	0.113
		K.Nagar West	0.113
		Mahabirod	0.113
2	Rairangpur	Pahadpur	0.113
		Jambani	0.0565
		Dublabeda	0.0565
		Jagannathpur	0.0565
		Patharkata	0.0565
3	Karanjia	Kanthikna	0.0565

		Kukudabadi	0.0565
		Kumudabadi	0.0565
		Kalikaprasad	0.0565
		Paudia	0.0565
		Barapanposi	0.0565
		Chanchbani	0.0565
		Mota	0.0565
		Bhanjabeda	0.0565
		Ranibhol	0.0565
		Khadidamak	0.0565
		Burusahi	0.0565
		Badaranibhol	0.0565
<b>3</b>	Karanjia	Ghodabindha	0.0565
		Talpada (Bandhagaon)	0.0565
		Mahuldiha	0.0565
		Noda	0.0565
		Panpatria RF	0.0565
		Sirkasahi	0.0565
		Kadalibadi	0.0565
		Bisipur	0.0565
		Salchua	0.0565
		Khudisila	0.0565
		Satkosia RF Compt. No.4	0.0565
		Mahulghutu (Satkosia Rf Compt. No. 5)	0.0565
		Laxmiposi	0.0565
		Pokamunda	0.0565
		Purunapani	0.0565
		Godbhanga	0.0565
<b>4</b>	Keonjhar (WL)	Rebana RF	0.2825
		Atei RF	0.1695
		Santoshpur RF	0.1695
		Boula RF	0.1695
<b>5</b>	Balliguda	Bilamal	0.113
		Karlangi	0.113
		Sakadpadar	0.113
		Surupadar	0.113
		Gudguda	0.113
		Kilupadi	0.113
		Kidemerang	0.113
<b>6</b>	Kalahandi (S)	Chermahul	0.0565
		Golamunda	0.0565
		Banamalipur	0.0565
		Suruguda	0.0565
		Minaguda	0.0565
		Chirka	0.0565
		Nuamundi	0.0565
		Raktaboden	0.0565
		Chandpur	0.0565
		Medniguda	0.0565
		Pujharipada	0.0565

		Tikrapada	0.0565
		Pokanbhata	0.0565
		Khalia	0.0565
7	Sunabeda WL	Thekobeda	0.0565
		Gambharipani	0.0565
		Borra (1)	0.0565
		Borra (2)	0.0565
		Kurkuta	0.0565
		Karti Nalla	0.0565
		Bhatabandhali	0.0565
8	Sunabeda WL	Datunama	0.0565
		Bhatabandhali (2)	0.0565
		Guduma	0.0565
		Bindhanthoka	0.0565
		Hathikhal	0.0565
		Amjharan	0.0565
		Chuapada	0.0565
		Kumrapan	0.0565
		Jajangpan	0.0565
		Pakherpan	0.0565
		Patelpara	0.0565
		Diamunda	0.0565
		Mulchanbahali	0.0565
		Jharlama Nalla	0.0565
		Bhimbhata	0.0565
		Bhalukona	0.0565
		Paten	0.0565
		Chhotlodra	0.0565
		Godogodo	0.0565
		Chuaikhal	0.0565
		Near Jharlama Village	0.0565
		Near Garapani	0.0565
		Near Bhaosil	0.0565
		Michhapali	0.0565
		Kalijharan	0.0565
		Siletpani WHS	0.0565
		Badjore	0.0565
8	Sunabeda WL	Chhatabeda	0.0565
		Ghatikon	0.0565
		Pahadkon	0.0565
		Dabri	0.0565
		Darlapani	0.0565
		Majhagaon	0.0565
		Chikili	0.0565
		Makarchuan	0.0565
		Badjore	0.0565
9	Puri WL	Liakhia PRF	0.1469
		Ramanchadi F.S	0.113
		Manguleswar F.S	0.0565
		Konark F.S	0.0678
		Chandrabhaga FS	0.0565

		Ishaneswar FS	0.113
		Golara PRF	0.113
		Golara PRF	0.0791
		Golara PRF	0.0226
		Golara PRF	0.0226
<b>10</b>	Chandaka WL	Mantu	0.0565
		District Border,	0.0565
		Nuakua	0.0565
		Birbasa	0.0565
		Talabania	0.0565
		Kumbhirakhala	0.0565
<b>11</b>	Bonai	Amrudhi RF	0.0565
		Lunga RF	0.0565
		Balia RF	0.0565
		Toda RF	0.113
		Sibnathpur	0.0565
		Toda RF	0.0565
		Toda RF Near Rengua village	0.0565
		Toda RF near Tantra village	0.0565
		Gurundia RF	0.0565
		Dhenkiam RF	0.113
		Rushimath RF	0.0565
<b>12</b>	Rourkela	Budhikutuni	0.1808
		Talabahali	0.0904
		N. Chirobeda	0.1808
		S. Chirobeda	0.14125
		Bhainsamunda	0.113
		Musapali	0.113
		Rutkupedi	0.20905
		Faguapada	0.113
		Chakadjharia	0.113
		Deomul	0.1017
		Andhari	0.08475
		Baunsjore	0.08475
		Uparbahal	0.0565
		Hatibandha RF	0.0565
<b>13</b>	Sundargarh	Salangabud	0.0565
		Birtola	0.0565
		Cherma	0.0565
		Kinkibandh	0.0565
		Sagjore (Kusumura RF)	0.0565
		Dhabadholi	0.0565
		Bargaon	0.0565
		Itma	0.0565
		Bairagibahal	0.0565
		Taragarh	0.0565
		Dhokarpahad	0.0565
		jamkani	0.0565
<b>14</b>	Sambalpur	Phuljhari Khaman RF	0.0565
		Tabloi-Deogaon Rf	0.0565

		Tabloi-Deogaon Rf	0.0565
		Dumorchuan-Thandor RF	0.0565
		Kulchor RF	0.0565
		Kusamura RF	0.0565
		Meghpal RF	0.0565
15	Bamra WL	Khalasuni RF Compt No.1 near Garelam	0.0565
		Khalasuni RF Compt No.6 near Raighati	0.0565
		Khalasuni RF Compt No.13 near Jemajuri	0.0565
		Ushakothi RF Compt. No.46	0.0565
		Badrama RF Compt No.15	0.0565
		Badrama RF Compt No.14	0.0565
		Binjipali RF near Makarchuan	0.0565
		Addl kansar RF Near Khairdihi	0.0565
		Khajuria RF Compt No.15 near Badkudar	0.0565
16	Hirakud WL	Silipakha	0.0565
		Bhalukuper	0.0565
		Jubhi	0.0565
		Thelcochhapal	0.0565
		Old Dhodrokusum	0.0565
		Rujenmal	0.0565
		Teteldhipa	0.0565
		Majhipada	0.0565
		Barakhandia Chowk	0.0565
<b>Total:-</b>			<b>13.1645</b>

**(vi) 2nd year maintenance of fodder block plantation  
(Unit Cost @ Rs.0.28773 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Balliguda	Kotgarh WLS	2.8773
2	Kalahandi (S)	Nehela RF(Merkul)	2.8773
3	Chandaka WL	Jagannath Prasad PRF	3.74049
4		Chandaka R.F.	4.89141
5	Nawarangpur	Papadahandi Deer Park	2.8773
<b>Total:-</b>			<b>17.2638</b>

**(vii) Third year maintenance of fodder block plantation  
(Unit Cost @ Rs.0.19337 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Balliguda	Pipalpada	0.96685
		Madaguda	0.96685
2	Nawarangpur	Papadahandi RF	0.96685

3	Rairakhol	Tal-Kholgarh corridor area.	0.38674
<b>Total:-</b>			<b>3.28729</b>

<b>(viii) Creation and Maintenance of Salt licks (Unit Cost @ Rs.0.50 lakh)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Dhenkanal	Godabolua RF	0.50
		Kapilash RF	0.50
2	Satkosia Wildlife Division	Tikarpada RF comptt No-6 Gandhiakhali	0.50
		Tikarpada RF comptt No-8 Sisookhunata	0.50
		Tikarpada RF comptt No-3, Kandhaiada	0.50
		Majhipada RF comptt No-9, Kadalikhola	0.50
		Majhipada RF - 14 Hatigirija	0.50
3	Mahanadi WL	Banigochha East	0.50
		Chhamundia	0.50
		Kusanga	0.50
4	Balasore WL	Kuldiha	0.50
		Jodachua	0.50
		Purunapani	0.50
		Chemchata	0.50
		Gohirabhola	0.50
5	Keonjhar WL	Boula RF	0.50
6	Similipal (South)	Debasthali	0.50
		UBK	0.50
		Jenabil	0.50
7	Similipal (North)	Joranda	0.50
		Brundaban	0.50
		Chahala	0.50
8	Ghumsur South	Aska Range- 4 nos	0.50
9	Parlakhemundi	Phulochanchuni	0.50
		Talajharana	0.50
		Jhamathali	0.50
10	Balliguda	Kalanguda (Tumudibandha Range)	0.50
		Pagerpadi (Tumudibandha Range)	0.50
		Golampanga (Tumudibandha Range)	0.50
11	Kalahandi (S)	Sankarpala	0.50
		Kankrimal	0.50
		Ratanpala	0.50
12	Sunabeda WL	Kumti nalla	0.50
		Chandra sil pathar	0.50
		Matia Jharan	0.50
		Near Bhalupani Pathar	0.50
		Jhariapani	0.50
13	Chandaka WL	Kochilaberena	0.50

		Kumarkhunti	0.50
		Bharatpur Gate	0.50
		Ambilo	0.50
		Jhalara	0.50
14	Bamra WL	Badrama WL Sanctuary	0.50
		Univesity Spot	0.50
		Amlang	0.50
		Tulsidhara	0.50
15	Hirakud WL	Patheidurga-V	0.50
		Juedkhol	0.50
		Rengalduhula	0.50
		Mahultalu	0.50
<b>Total:-</b>			<b>25.00</b>

**(ix) Immunization of Cattle (Unit Cost @ LS)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Angul	Kantamegha	0.50
		Badakantakul	0.50
		Antulia	0.50
		Naupada	0.50
		Hariharpur	0.50
		Kaichhapada	0.50
		Sitikoili	0.50
		Krushnachakragarh	0.50
		Dhukuta	0.50
		Pathargarh	0.50
		Tumugola	0.50
		Barihapur	0.50
		Hanumanpur	0.50
2	Dhenkanal	Kapilash WL Sanctuary	0.50
		Muktapasi	0.50
		Anlabereni	0.50
		Kirttanpur	0.50
		K.nagar	0.50
		Baladiabandha	0.50
3	Satkosia Wildlife Division	Tikarpada	0.50
		Baghamunda village	0.50
		Purunakote village	0.50
		Gopalpur village	0.50
		Badakheta village	0.50
		Chhotkei village	0.50
		Bhuska	0.50
		Brahmani	0.50
		Kaintara	0.50
		Nuagoan	0.50
4	Mahanadi WL	Banigochha East	1.00
		Banigochha West	1.00
		Chhamundia	1.50

		Kusanga	0.50
5	Athmallik	Madhapur	0.50
		Handapa	0.50
6	Athgarh	Athgarh	0.50
		Bhuska	0.50
		Sermunda	0.50
		Nilakanthapur	0.50
		Olab	0.50
		Balikiary	0.50
7	Cuttack	Sukinda Range	0.50
		Tomka Range	0.50
		Dalijora Range	0.50
8	Balasore WL	Jamuna	0.50
		Balichua	0.50
		Tenda	0.50
		Sajanagargh	0.50
		Mirigini	0.50
		Dholpur	0.50
		Baunsabania	0.50
		Mangarh	0.50
		Shyamsundarpur	0.50
		Gujudiha	0.50
		Sorisapal	0.50
		Khunta	0.50
		Saralia	0.50
		Kunchibania	0.50
		Machhua	0.50
Dhobasila	0.50		
9	Rairangpur	Rairangpur Range	0.50
		Bahalda Range	0.50
		Badampahar Range	0.50
		Bisoi WL Range	0.50
		Manada Range	0.50
10	Karanjia	Mandaljhari	0.50
		Chirupada	0.50
		Jamukhanjari	0.50
		Dangadiha	0.50
		Kirkichipal	0.50
		Ghodabindha	0.50
		Hatigoda	0.50
		Purunapani	0.50
		Satkosia Range	0.50
		Kendumundi	0.50
		Gurguria Range	0.50
		Dudhiani Range	0.50
		Karanjia Range area	0.50
11	Baripada	Jadunathpur	0.50



		Hatikote	0.50
		Ambikadeipur	0.50
		Adipur	0.50
		Kesharpur	0.50
		Salghati	0.50
		Tarajodi	0.50
		Asanbani	0.50
		Upper Nakichua	0.50
		Chauladahani	0.50
<b>12</b>	Similipal South	Villages In and around Similipal Tiger Reserve	5.40
<b>13</b>	Similipal North	Gurguria	1.00
		Kirkichipal	1.00
		Dangadiha	1.00
		Baglata	1.00
		Ranipat	1.00
		Mandaljhari	1.00
		Chirupada	1.00
		Ghodabindha	1.00
		Hatigoda	1.00
<b>14</b>	Keonjhar (WL)	Boula RF, Baranga RF	0.50
<b>15</b>	Berhampur	Villages In and around Black Buck Areas	0.50
<b>16</b>	Ghumsur (N)	5 Nos. Ranges of this Division	0.50
<b>17</b>	Ghumsur (S)	Aska Range- 2 nos	0.50
		Buguda Range- 2 nos	0.50
		Polosara Range- 2 no	0.50
		Surada Range-2 nos	0.50
		Badagada Range- 2 nos	0.50
<b>18</b>	Parlakhemundi	Baliganda	0.50
		Kamarakhali	0.50
		Guburiguda	0.50
		Manikapur	0.50
<b>19</b>	Balliguda	Kotagarh Wildlife Sanctuary (Tumudibandha Range)	0.50
		Rangaparu (Belghar Range)	0.50
		Lassery (Kotagarh Range)	0.50
		Radiguma (Kotagarh Range)	0.50
		Jamajore (Kotagarh Range)	0.50
		Bandaka (Kotagarh Range)	0.50
<b>20</b>	Bolangir	Bolangir Forest Division	0.50
<b>21</b>	Kalahandi (S)	Ratanpala	0.50
		Koilamunda	0.50
		Kankrimal	0.50
		Labanayswar	0.50
		Ambalsa	0.50
		Katintkona	0.50

		Jakam	0.50
		Barakhoj	0.50
		Parlang	0.50
		Udrung	0.50
		Kiapadar	0.50
		Mukundpur	0.50
		Sapmundi	0.50
<b>22</b>	Khariar	Nuapada, Amanara, Dharambandha, Lakhna,	0.50
		Komna	0.50
		Ghatmal	0.50
		Nangalbod	0.50
<b>23</b>	Sunabeda WL	3 Rages	0.50
<b>24</b>	Puri WL	Konark-Balukhand WLS	0.50
		Palank, Chapamanik	0.50
		Ramachandi Section area	0.50
		Balidokan Section area	0.50
<b>25</b>	Chillika (WL)	Chilika Wildlife Division	0.50
<b>26</b>	Mangrove WL	Talachua G.P	0.50
		Dangamal G.P	0.50
		Batighar G.P	0.50
		Barakandha G.P	0.50
		Boulkani G.P	0.50
		Jambo G.P	0.50
<b>27</b>	Chandaka WL	All Ranges	0.50
<b>28</b>	Nayagarh	Goudaput beat area near to Gochha RF, Ambamundia PRf	0.50
		Basipalli Extn- I, II, III, IV PRF near villages	0.50
		Makaraprasad RF near villages	0.50
		Central RF C/1(p) near villages	0.50
		Banthapur area of Odagaon range	0.50
		Dimiria village of Mahipur Range	0.50
		Near Sulia Rf C/4 of Nayagarh Range village Kalyanapur & Barapalla village	0.50
<b>29</b>	Nawarangpur	Villages around Papadahandi Zoo	0.50
<b>30</b>	Sambalpur	Sadar/Padiabhal/ Dhama/Rengali	0.50
<b>31</b>	Bamra WL	Garposh	0.50
		Niktimal	0.50
		Kholbilung	0.50
		Govindpur	0.50
		Kuchinda WL Range	0.50
		Jamankira WL Range	0.50
		Badrama WL Range	0.50
		Khalasuni WL Range (Mahulpani)	0.50
<b>32</b>	Rairakhol	All 6 Ranges	0.50

33	Bargarh	Villages around Debrigarh WLS	0.50
34	Hirakud WL	Kamgaon	0.50
		Lakhanpur	0.50
35	DD, NZP	Around Nandankanan WLS	0.50
<b>Total:-</b>			<b>95.90</b>

**(x) Black Bluck Conservation (Unit Cost @ LS)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Berhampur	Location not mentioned work- (Sign board)	5.00
2	Ghumsur (S)	Aska Range	15.00
3	Ghumsur (N)	Bellaguntha	5.00
<b>Total:-</b>			<b>25.00</b>

**(xi) Rejuvenation of Wildlife Corridor (0th year) (Unit Cost @ Rs.0.34376)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Keonjhar WL	Santoshpur RF	6.8752
		Atei RF	
		Rebana RF	
<b>Total:-</b>			<b>6.8752</b>

**(xii) 2nd year maintenance of plantation taken up under Rejuvenation of Wildlife Corridors (Unit Cost @ Rs.0.28773)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Balasore WL	Soro Wildlife Range	0.28773
2	Rairakhol	Tal-Kholgarh corridor area.	1.43865
<b>Total:-</b>			<b>1.72638</b>

**(xiii) Construction of treatment shed and creation of artificial cave for wild sloth bear (Unit Cost @ LS)**

SL. No.	Name of Division	Location	Total Amount (Rs.in lakh)
1	Malkangir	Balimela Chowk	10.00
		Mendikuli PRF	0.50
		Bariabahal PRF	0.50
		Rekhapalli	0.50
		Dankrai	0.50
		Nuaguda RF	0.50
		Sindrimal PRF	0.50
<b>Total:-</b>			<b>13.00</b>

## Annexure- III-XVI

### DETAILS OF SMC WORKS IN WILDLIFE HABITAT

(i) LBCD (Unit Cost Cum @ Rs.0.06790 lakh)

SL. No.	Name of Division	Location	Total Amount ( Rs. In lakh)
1	2	3	4
1	Dhenkanal	Kapilasha Wildlife Sanctuary Compt. No.9	1.358
		Kapilasha Wildlife Sanctuary Compt. No.15	1.358
		Kapilasha Wildlife Sanctuary Compt. No.25	1.358
		Kapilasha Wildlife Sanctuary	1.358
2	Satkosia Wildlife Division	Majhipada RF	1.0185
		Tikarpada RF	1.0185
		Baghamunda RF - 4 Purunapani Nala	0.679
		B munda RF-5 Jhinkadarhi Nala	0.679
		B munda RF - 7 Barautha nala	0.679
		B munda RF - 8 Bara Nala	0.679
		B munda RF - 7 Ghutulu bani nala	0.679
		B munda RF - 6 Rugudi Nala	0.679
		B munda RF - 7 Kendu mundia Nala	0.679
		Tuluka RF - 8	0.679
		Majhipada RF - 13 Badadamaka	0.679
		Kuadoli	0.679
		Tersingh	0.679
		Rasanda	0.679
		Katranga Similikhola Katranga Comptt No.10	0.679
		Khuntabania Kagtranga Comptt No.6	0.679
		Andhari Banka Katranga Comptt No.7	0.679
3	Mahanadi Wildlife Division	Banigochha East	0.2716
		Banigochha West	0.2716
		Chhamundia	0.679
		Kusanga	0.1358
4	Balasore WL	Tentula Nallah	0.0679
		Kasi Nallah	0.0679
		Dhankunia Nallah	0.0679
		Jarada Nallah	0.0679
		Asana Nallah	0.0679
		Dha Nallah	0.0679
		Hatiapathar Nallah	0.0679
		Gada Nallah	0.0679
		Kalikendu Nallah	0.0679
		Dhundurupani Nallah	0.0679

5	Keonjhar (WL)	Atei RF	1.0185
		Santoshpur RF	1.0185
6	Balliguda	Guma 'S'PRF (Tumudibandha Range)	1.0185
		Guma 'N'DPF (Tumudibandha Range)	0.679
		Mundigarh 'A' DPF (Belghar Range)	1.0185
		Madaguda RF (Kotagarh Range)	0.679
7	Parlakhemundi	Rupapanka Nala	0.679
		Khetrapani	0.679
		Sambarpatu Nala	0.3395
		Betabania	0.3395
		Phulochanchuni	0.3395
		Sangithali Nala	0.3395
		Kataguda	0.3395
		Siali	0.3395
8	Sunabeda WL	Domer ant	0.679
		Dandiajhola Nalla	0.3395
		Kankermenji (Kantajhola)	0.3395
		Amjhola Nalla	0.679
		Katel (Golabandh)	0.3395
		Gobra Kachhar-1	0.679
		Banji Nalla	0.5432
		Khaliakachhar nalla	0.3395
		Bardi nalla	0.3395
		Chirangun Nalla	0.679
		Telbuchi	0.3395
		Kharkhari Nalla	0.679
		Bekhujen nal	0.2037
		Mayur nal	0.2037
		Simelnal (II)	0.2037
Chauranala	0.2037		
9	Kalahandi South	Nehela RF	0.4074
		Ruptakhuti (Karlapat RF)	0.679
		Golamunda	0.1358
		Ampadar	0.2037
		Sudepadar	0.3395
		Bramni PRF	0.5432
		Musiguda Nala	0.4074
		Karlapat RF (Gandharinala)	0.1358
		Chirabhata Nala ( Karlapat RF)	0.1358
		Kutuljore (Karlapat RF)	0.4074
10	Chandaka WL	Chhatian Nallah	1.358
		Ambilo Nallah	2.037
11	Bamra WL	Sauntimal PRF	0.679
		Lamra PRF	0.3395

		Pravasuni RF,	0.3395
		Addl.Kansar RF	0.3395
		Binjipali RF, Gudakhuri Nalhha	0.3395
		Puimuhani	0.3395
		University Spot	0.3395
		Badrama RF	0.3395
		Binjipali RF	0.3395
		Laijharghati	0.3395
		Phuljharghati	0.3395
		Dangsargi	0.3395
		Khalasuni RF-01, (Barabetal)	0.3395
		Khalasuni RF-06, (Budhikutuni)	0.3395
		Khalasuni RF-09, (Kumkhol)	0.3395
12	Hirakud WL	Dhodrokusum	1.6975
		Lakhanpur	1.6975
<b>Total:-</b>			<b>50.93</b>

**(ii) Staggard trench (Unit Cost @ Rs.0.18280 lakh per Ha.)**

SL. No.	Name of Division	Location	Amount (Rs. in lakh)
1	Balaore WL	Tentulia	9.14
		Kathagochhi	9.14
2	Balliguda	Belghar RF (Belghar Range)	7.312
		Supamaha RF (Kotagarh Range)	6.398
3	Parlakhemundi	Patilipanka	4.57
		Surya nagar	2.742
		Dambapur	2.742
		Pegada	3.656
		Sara	3.656
4	Sunabeda WL	Near Golabandh	3.656
		Maraguda	3.656
		Katingpani (ii)	0.914
		Near Bhotkapada	0.914
		Near Bhalukona	1.828
		Gurjibhata	2.742
		Bardi nalla	1.828
		Bhatabandhali	1.828
		Badjholarasta	1.828
		Near kankermenji	3.656
		Phulwari	0.914
		5	Bamra WL
Govindpur Section Bandhabar RF	1.828		
Bandbabar Rf Sagaripali Site	1.828		
Bandhabar RF	2.742		
Bejharan RF	1.828		
Khajuria RF (Kuchinda WL Range)	1.828		

	Addl Kansar RF	1.828
	Binjipali (Jamankira WL Range)	1.828
	Budhikuten PRF	1.828
<b>Total:-</b>		<b>91.40</b>

**(iii) Graded bund and diaphragam wall  
(Unit Cost @ Rs.10.00 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs in lakh)
1	2	3	4
1	Satkosia Wildlife Division	Raigoda RF	10.00
2	Mahanadi WL	Baisipali RF	10.00
3	Balasore WL	Gandidhar Nallah	10.00
4	Keonjhar (WL)	Chaturisahi of Baula RF	10.00
		Masaghati of Boula RF	10.00
5	Sunabeda WL	Near Malkachuan	10.00
6	Chandaka WL	Chandaka RF	10.00
7	Bamra WL	Binjipali RF (Badrama WL Range)	10.00
		Kisinda PRF	10.00
8	Hirakud WL	Dhodrokusum	10.00
<b>Total:-</b>			<b>100.00</b>

**Annexure- III-XVII**

**ESTABLISHMENT AND MAINTENANCE OF ANIMAL RESCUE CENTRE**

<b>(i) Maintenance of Nandankanan &amp; Other Rescue Centre (Unit Cost @ Rs. LS)</b>			
SL. No.	Name of Division	Location	Total Amount (Rs.in lakh)
1	Dhenkanal	Kapilash	35.00
2	Satkosia Wildlife Division	Tikarpada	30.00
3	Mahanadi Wildlife Division	Kuanria	25.00
4	Parlakhemundi	Taptapani	30.00
5	Bolangir	Harishankar	10.00
6	Nawarangpur	Papadahandi	60.00
7	Hirakud WL	Motijharan, Sambalpur	30.00
8	DD, NZP	Nandankanan	80.00
<b>Total:-</b>			<b>300.00</b>

<b>(ii) Maintenance of Nandankanan Zoos hospital (Unit Cost @ LS)</b>			
SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	DD, Nandankanan		50.00
<b>Total:-</b>			<b>50.00</b>

<b>(iii) Establishment of Rescue Centre and Veterinary treatment facilities (Unit Cost @ LS)</b>			
<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs. In lakh)</b>
<b>1</b>	Cuttack	Sukinda Range	10.00
		Dalijora Range	10.00
<b>2</b>	Rairangpur	Manada Range	20.00
<b>3</b>	Karanjia	Gudgudia	6.00
<b>4</b>	Berhampur	Pananuagaon	10.00
<b>5</b>	Mangrove WL	Dangamal	2.00
<b>6</b>	Bhadrak WL	Chandabali	10.00
<b>7</b>	DD, NZP	Nandankanan	132.00
<b>Total:-</b>			<b>200.00</b>

### **Annexure- III-XVIII**

#### **WOOD-SAVING COOKING APPLIANCES AND OTHER FOREST PRODUCE SAVING DEVICES IN FOREST FRING VILLAGES AS SPECIFIED BY THE NATIONAL AUTHORITY FROM TIME TO TIME**

**(i) Distribution of fuel saving devices like Unnant chullas/LPG, Solar Cookers/Lamps etc to the villagers around Protected Areas  
(Unit Cost @ Rs.0.02 lakh)**

<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total amount (Rs. in lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>1</b>	Dhenkanal	Kapilash (LPG gas)	0.50
		Khankira	0.50
		Dhenkanal	0.50
<b>2</b>	Satkosia Wildlife Division	Tikarpada	0.40
		Purunakote	0.40
		Jillinda	0.40
		Raigoda	0.40
		Pampasar	0.40
<b>3</b>	Mahanadi Wildlife Division	Banigochha East	0.50
		Banigochha West	0.50
		Chhamundia	1.00
		Kusanga	0.50
<b>4</b>	Balasore WL	Rissia	0.20
		Betei	0.10
		Pandabasa	0.10
		Ranipokhari	0.10
		Bishnupur	0.10
		Betakata	0.10



		Dwarikasuni	0.10
		Tenda	0.10
		Ambajhar	0.10
5	Keonjhar (WL)	Forest fringe villages around Rebana RF	2.00
		Santoshpur RF	2.00
		Boula RF	1.00
6	Similipal (South)	Location not mentioned	7.50
7	Similipal (North)	Location not mentioned	7.50
8	Balliguda	Tumudibandha (Unnat Chullah/Solar lamp)	0.50
		Belghar (Unnat Chullah/Solar lamp)	0.50
		Kotagarh (Unnat Chullah/Solar lamp)	0.40
		Tumudibandha (Solar Lamp)	0.40
		Belghar (Solar Lamp)	0.50
9	Parlakhemundi	Chakadhara Village (7 household)	0.10
		Lampada Village (30 household)	0.10
10	Sunabeda WL	3 Ranges	7.50
11	Puri (WL)	Konark WL Range	0.50
12	Mangrove WL	Around Bhitarkanika WLS	2.50
13	Chandaka WL	All Five Ranges	2.50
14	Bhadrak WL	Chandabali & Basudevpur	0.50
15	Hirakud (WL)	Lakhanpur	3.00
		Kamgaon	2.00
16	Bamra WL	Badrama WL Sanctuary	1.00
		Khalasuni WL Sanctuary	1.00
<b>Total:-</b>			<b>50.00</b>

### **Annexure- III-XIX**

#### **INFRASTRUCTURE DEVELOPMENT (Wild Life)**

##### **(i) Maintenance of Forest Road/Inspection path (Unit Cost @ Rs.0.69 lkh per Kms.**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	2	3	4
1	Satkosia Wildlife Division	Majhipada-Bipradiha Forest road	4.14
		Hatibari- Kandhaida Forest road	4.14
		Hatibari-Katranga Forest road	2.76
		Baghamunda to Routbahal	2.76
		Bhrukundi to Kuadoli	3.45
		Purunakote to Ganjani-damaka	2.76
		Tulka - 7 Ganjani-damaka to Tuluka	3.45

		Tuluka to Bhrukundi	4.14
		Tuluka to Chuanri Thakura	2.76
		Purunakote to Baghamunda	3.45
		Raigoda - Border	3.45
		Raigoda -Nuakheta (part)	2.07
		Raigoda- Rasanda	2.07
		Raigoda- Tersingh	3.45
		Katranga Chhaka to Chunabhathi	3.45
		Siaribhundi to Chunabhathi	3.45
		Bankadhar to Katranga	2.76
		Pampasar chack to Labangi	3.45
		Tarava to Kumuri	1.38
		Kumuri to Sahajabahali	2.76
<b>2</b>	Mahanadi Wildlife Division	Geregedi to Duising	5.52
		Gregedi to Idei	4.83
<b>3</b>	Balasore WL	Pancharjuna - Asanchua	5.52
		Jodachua - Rissia	5.52
		Chitapal to Bunumchhak	4.83
		Purunapani to Mankadapada	5.52
		Betei- Purunapani	3.45
		Ganabau basa to Panchgocha amba	2.76
<b>4</b>	Keonjhar (WL)	Gayalamunda to Hatichapal	3.45
		Chhenapadi to Sajanapal	3.45
		Pitanau to Dalki	3.45
		Daitari to Bareigoda	3.45
		Pitanau to Dalki	3.45
<b>5</b>	Similipal South	Location not mentioned	51.75
<b>6</b>	STR (North), Jashipur	Kalikaprasad Gate to Gurguria	7.59
		Lanjighasar to Barahipani	10.35
		Nawana Kocha Forest Road	7.59
		Kukurbhuka Baurighati Forest Road	10.35
		Sasang Jharan Forest Road	8.97
		Chahala Forest Road	6.90
		Baunskhal Forest Road	5.52
		Kendumundi to Bahaghar Chhaka	9.66
		Ghodabindha to Bahaghar Chhaka	5.52
		Rangamatia to Hatidhara	5.52
		Karkatbeda to UBK Coreline	6.90
		Gurguria to Kabatghai Forest Road	4.83
<b>7</b>	Parlakhemundi	Manikapur to Mahinshikhata	21.39
<b>8</b>	Balliguda	Tumudibandha to Guchuka (Tumudibandha Range)	6.90
		Baraguda to Kapelpadar (Belghar Range)	3.45
		Jhripani to Lankagarh (Belghar Range)	3.45

		Pipadi to Badipanga road (Kotagarh Range)	3.45
9	Kalahandi (S)	Jug-Ghatikutru	5.52
		Jakam-Karlapat	4.14
		Kiapadar-Banmalipur	2.76
		Kiapadar-Banmalipur	1.38
10	Sunabeda WL	Golabandh to Maraguda	4.14
		Kermeli to Kankermenji	4.14
		Junapada to Badipathar	2.07
		Dharambandha to Lodra	2.07
		Lodra Chhak to Katingpani	3.45
		Jharlama to Chachraghati	2.07
		Rupiamba to Jalmodei	2.76
		Salepada to Chhachraghati	3.45
		Putkulpada to Haluapali	2.76
		Bankiam to Rajna	2.76
		Deosil to kotrabeda	2.76
		Sunabeda to Datunam	2.76
		Deodarha to Kholibhitar	2.76
		Jalmori to Talabela	2.07
		Gangadigarh to Santoshpada	2.07
		Katingpani to Chuanpada	2.76
11	Puri WL	Balukhanda Range	4.14
		Sahan to Munhanmunha	2.76
12	Chilika WL	Karakhola PRF	4.83
13	Rajnagar (WL)	Bhitarkanika jetty to temple.	0.69
		Dangamal gate to jetty	0.69
		Kalibhanjadia jetty to beat	4.83
		Habalikhati to Ekakula	1.38
		Bhandua to Satabhya Ghat	2.07
		Dobandhi to Barunei	2.07
14	Chandaka WL	Tata Mines Ghati to Nuakua	3.45
		District border to Balimada	3.45
		Golagada Chhaka to Golagada pond	1.38
		Dampada Gate to Balimada Chhaka	3.45
		Pithakhia Chhaka to Salabari	2.76
		Bengapani Ghati to Hill top	3.45
		Jaria Dam to Jaria Watch Tower	1.38
		Godibari-Mahuriabari-Kumarkhunti	4.14
		Chhatian to Kheluachua via Dantaria	2.76
		Ambakhali to Kheluachua	2.07
		Godabhanga Tangar-Pitagadia-Mahuriabari	3.45
		Bualigarh to Naharathali Hiltop Road	1.38

		Charichhak to Dampada Trijunction via District Boundary	2.76
		Karadapalli to Jhalara	3.45
		Karadapalli to Guptapada	2.07
		Dhadas to Madua	4.14
		Jhalara to Saurabilla	2.07
		Jhalara to Deras	1.38
		Bharatpur Gate to Pathargadia via Birbasa, Chunkoli	2.76
<b>15</b>	<b>Bamra WL</b>	Jharpur to Laimura	3.45
		Dangapal to Binjipali	3.45
		Falsabahal to Badrama	4.14
		Bhutel to Argen	2.76
		Bhutel to Kadalidihi	2.07
		Belmunda- Majurdima	3.45
		Badrama- Bhutel	3.45
		N.H-6 to Podadihi	2.07
		Badrama- Falsabahal	2.76
		Tambubahal- Ringroad	1.38
		Kutab-Kudaldihi	2.07
		Bhutel- Orgen	2.76
		Bhutel- Kadalidihi	2.76
		Nunvet to Badkachha	2.76
		Kutab to Nunvet	2.76
		Kutab to Kadalidihi	4.14
		Kisinda- Barkachha	2.76
		Ballam- Khalasuni	3.45
		Ballam- Khalasuni (Bamra border)	2.07
		Pandua- Dungiridihi	0.69
<b>16</b>	<b>Hirakud WL</b>	Dhodrokusum	17.25
		Lakhanpur	6.90
<b>17</b>	<b>DD, NZP</b>	Nandankanan	6.90
<b>Total:-</b>			<b>517.50</b>

**(ii) Anti-poaching Barrack (Unit Cost @ Rs.20.00 lakh)**

<b>SL. No.</b>	<b>Name of Division</b>	<b>Location</b>	<b>Total Amount (Rs . In lakh)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Dhenkanal	Bhuban	20.00
2	Athgarh	Daleimaru Chhaka	20.00
3	Keonjhar (WL)	Hatichapal	20.00
4	Similipal (North)	Talabandha	20.00
5	Sunabeda WL	Chereichuan	20.00
6	Kalahandi North	M.Rampur	20.00
7	Khordha	Randa	20.00
8	Rayagada	Rayagada	20.00
9	Jeypore	Chandili	20.00

10	Malkangir	Malkangiri	20.00
11	Rourkela	Birda Forest Campus	20.00
12	Keonjhar (T)	Janghira- Keonjhar Range	20.00
13	Sundargarh	Kinjirkela	20.00
14	Bamra WL	Nunvet	20.00
15	Hirakud WL	Chal	20.00
<b>Total:-</b>			<b>20.00</b>

**(iii) Anti-poaching check gate (Unit Cost @ Rs.7.00 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Similipal (South)	Manbhanga	7.00
2	Similipal (North)	Barahipani	7.00
3	Balliguda	Bilamal (Belghar Range)	7.00
4	Puri WL	Phulpatna	7.00
5	Hirakud WL	Dhodrokusum (Zero Point)	7.00
<b>Total:-</b>			<b>35.00</b>

**(iv) Seizure Year (Unit Cost @ Rs.7.00 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Balasore WL	Chandipur	7.00
		Jamudiha	7.00
		Udaypur	7.00
2	Puri WL	Range office campus, Brahamagiri	7.00
3	Chandaka WL	Haladia Range office campus Minchinpatna	7.00
<b>Total:-</b>			<b>7.00</b>

**(v) Floating Jetty (Unit Cost @ Rs.15.00 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Puri WL	Motta	15.00
2	Hirakud WL	Chourasimal	15.00
		Badduma	15.00
<b>Total:-</b>			<b>45.00</b>

**(vi) Construction of Watch Tower ( Unit Cost @ Rs.20.00 lakh)**

SL. No.	Name of Division	Location	Total Amount (Rs. In lakh)
1	Satkosia WL	Baladamara	20.00

2	Dhenkanal	Anlaberani (Construction of Elephant Observation Tower)	20.00
3	Athagarh	Nizigarh RF	20.00
4	Similipal (North)	Kiajhari	20.00
5	Parlakhemundi	Durgam UDPF (Piasal Plot)	20.00
6	Chandaka WL	District border Mulijhara	20.00
7	Rajnagar (WL)	Bhitarkanika Mathadia	20.00
8	Dy. Dir, NKZP	Location not mentioned	20.00
<b>Total:-</b>			<b>160.00</b>

## Annexure-III-XX

### Special Project

#### Conservation and Protection of RET Species

SI No	Name of the Division	Location	Area in Ha.	Geo Co-ordinates	
1	Athgarh	Nagatota RF	50	N 20 26 35.0	E 85 18 38.1
		Haladiaseni RF	50	N 20 28 39.5	E 85 19 49.3
2	Rayagada	Similiguda	20	19 16 95.4	83 07 52.68
		Gunupur	3	19 05 30.12	83 81 75.86
3	Subarnapur	Sunadei RF	60	20 35 24	83 37 23
4	Kalahandi South	Bhataguda	5	19 57 04.14	83 78 33.75
5	Bolangir	Gandhamardan RF	100	20 51 58	82 51 31
				20 51 1.62	82 51 35
6	Bamra WL	Bialipali RF	11	21 38 45.04	84 13 15.23
7	Kalahandi North	Gurjimunda	25	N20 08 58.3	E83 08 52.7
8	Koraput	Mathalapur RF	50	N-18 75 86.65	E-82 93 00.07
9	Phulbani	Kalinga Sandalwood RF	5	N 20 09 42.3	E84 25 31.5
		Pukulingia RF	20	N20 08 50.6	E 84 23 12.9
		Tikabali RF	20	N20 15. 06 7	E84 20. 88 7
		Bandhagada A PRF (near Jargipadar)	20	N20 21 17.0	E84 08 19.0
		Tikabali RF	37	N 20 09 42.3	E84 25 31.5
		Bandhagada A PRF	100	N20 08 50.6	E 84 23 12.9
		Pakulingia RF	100	N20 15. 06 7	E84 20. 88 7
10	Sambalpur	Tabloi-Deogaon RF	50	N-21-12-05	E-83-59-46
11	Paralakhemundia	Patikota RF	48	N-18.821299	E-84.138395
12	Gh. South	Kadapada RF	100	N-19 55 51	E-84 46 00
13	Jeypore	Ghatagumar PRF	10	18.82241	82.58997
<b>Total-</b>			<b>884</b>		

## Annexure-III-XXI

### Infrastructure Development

#### (i) Maintenance of Forest Road (KM) @ Rs.0.69 lakhs/one

Sl No.	Name of the Division	Location	Length in (Km)	Geo-coordinates	
				Latitude	Longitude
<b>Angul Circle</b>					
1	Angul	Nuakheta to Ravaged	5.5	N -20.6371 38889	E-85.060111111
		Ugi to Antulia	7.5	N-20.877720000	E-84.882250000
		Manikjodi to Sitikoili	7	N-20.750135000	E-84.898938000
2	Athmallik	Haripur-Pathargarh	27	21 02 28.2	84 29 39.2
		Lenkadachhida to Girida	13	20 50 50.1	84 26 33.2
3	Dhenkanal	Hindol to Fasigaon	10	N-20-36-45.93	E-85-12-11.8
		Bampa to Patalu	10	N-20-40-25.64	E-85-24-37.52
		Umendra to Ekul	10	N-21-05-46.4	E-85-41-18.8
		Sendheswar to Khidikidwar	10	N-21-01-56.2	E-85-41-14.3
		Pathargarh to Gundichanali	10	N-21-03-46.17	E-85-40-13.3
		Vejia to Gengutia	5	N-21-04-52.92	E-85-41-13.7
4	Athgarh	Badamba - Aranda	6	N 20 26 40.0	E 85 19 52.3
		Chhanchunia - Guptamanika	2	N 20 29 23.0	E 85 16 33.5
		Soruan - Chhanchunia	11	N 20 27 57.5	E 85 19 48.6
		Soruan - Karada	8	N 20 27 42.8	E 85 17 58.3
		Badakambilo to Daleimaru	5	N 20 27 45.6	E 85 22 17.8
		Rajaathagarh to Orda	12	N 20 36 41.8	E 85 45 54.0
		Gurudijhatia to Orda	14	N 20 36 11.3	E 85 48 21.5
		Sermunda to Guptamanik	24	N 20 34 31.6	E 85 06 45.0
		Nuagarh to Raiguda	7	N 20 33 23.6	E 85 08 6.1
		Nuagarh to Dalak	5	N 20 32 00.8	E 85 08 30.2
		Mitikapur to Barsingha	6	N 20 32 45.2	E 84 59 22.0
<b>Circle Total:</b>			<b>215</b>		
<b>Bhubaneswar Circle</b>					
5	Nayagarh	Andharakani - Kaudia	5	N - 20 15 18.80	E - 85 01 51.70
		Singhapada - Angisingi	5	N - 20 15 18.81	E - 85 01 51.67
		Takera - Birigada	5	N - 20 15 16.7	E - 85 01 51.78
		Chilipatharanala - Badasilinga	5	N - 20 15 18.83	E - 85 01 51.73
		Belabani - Badruma	5	N - 20 15 18.00	E - 85 01 51.3
		Gateri - Barakola	5	N - 20 15 18.85	E - 85 01 51.75
		Khalisahi - Nuapalli	5	N - 20 15 18.7	E - 85 01 51.5
		Khandapada - Kaudia	5	N - 20 15 18.87	E - 85 01 51.77
<b>Circle Total:</b>			<b>40</b>		
<b>Berhampur Circle</b>					
6	Phulbani	Panisal-Kutibari	8	20 36 39.9	84 17 39.9
		Ranipathar-Raidalia	3	20 32 19.2	84 22 19.8
		Rupagaon-Budukakhhol	4	20 16 27.8	84 31 3.1

7	Baliguda	Kutiguda to Srirampur	7	N-19-48-42.71	E-83-49-28.06
		Srirampur to Tikarigaon	7	N-19-44-53.35	E-83-53-35.48
8	Boudh	Forest Road Repair (Adenigarh to Khuntapada) 9 RKM	1	N20 30 37.0	E84 27 44.6
		Forest Road Repair (Adenigarh to Baisipada ) 6 RKM	1	N20 28 35.9	E84 30 35.3
		Forest Road Repair Talagaon to Ranisahi ) 8 RKM	1	N20 28 42.2	E84 37 11.2
		Forest Road Repair (Talagaon to Kushanga ) 5 RKM	1	N20 30 02.6	E84 37 26.8
		Forest Road Repair (Adenigarh to Kachapaju ) 8 RKM	1	N20 29 35.9	E84 30 28.3
		Forest road at Malikud to Sindhugora	45	N20 34 34.0	E83 44 44
		Forest road at Palsagora to Chancher	40	N 20 42 03.3	E 83 49 23.0
		Forest road at Samadanki to san Kalarakotha	6.5	N 20 26 24.89	E 83 44 40.09
		Forest Road from Tendapadar to Maltigochhapada	1	N20 37 57.78	E84 01 43.10
		Forest Road from Kanpa to Palsagora	1	N20 37 47.20	E84 58 58.08
		Forest Road Repair from Debagarh to Samapaju	6.5	N 20 42 02.5	E 83 49 19.1
		Forest Road Repair from Jhankarpada to Dumduma	2	N 20 42 01.5	E 83 49 25.2
9	Gh.South	Panchubhuti to Kholapani in Buguda Range	15	N 19 54 20.7	E 84 50 06.4
		Karchuli to Samalei in Buguda Range	3	N 19 55 42.7	E 84 51 54.9
		Nuapalli to Kiriamba in Buguda Range	5	N 19 51 19.66	E 84 56 11.66
		Nuapalli to Nadiamba in Buguda Range	2	N 19 50 48.51	E 84 54 37.94
		Sarisua to Suliapalli in Buguda Range	3	N 19 50 6.91	E 84 52 2.81
		Talasara to Nuapalli in Buguda Range	14	N 19 51 20.4	E 84 53 20.1
		Jhadapada to Nuapalli in Buguda Range	4	N 19 51 20.6	E 84 53 20.56
		Nadiamba to Pantiamo in Polasara Range	5	N 19 48 28.0	E 84 56 36.0
		<b>Circle Total-</b>	<b>187</b>		
<b>Sambalpur Circle</b>					
10	Sambalpur	Jamtal to Birghat	10	N-21-20-11.7	E-84-4-83.9
		Chhamunda to Jamtal	10	N-21-17-20.7	E-84-12-6.1
		Kolgaon to Tabloi	10	N-21-11-54.2	E-83-59-46.9
		Saradhapali to Basupali	10	N-21-43-39.4	E-84-8-27.3
11	Rairakhol		58		
12	Bargarh	Jaypur-Sandarlipali	3	N-21-29-37.72	E-83-24-2.58
		Dechuan-Junani	3	N-21-37-47.6	E-83-33-54.4
		Bugbugi-Amkata	2.5	N-21-34-47.69	E-83-29-7.96
		Dechuan-Lether	4	N-21-38-25.9	E-83-34-06.6
		Dechuan-Bugbugi	4.5	N-21-36-55.7	E-83-32-17.2
		Ghanteswari-Sukha	3	N-21-30-41.0	E-83-26-18.1
		Sukulipahad-Chuhapali	5	N 21 07 07.3	E 82 57 55.1
		Chuhapali-Sukulipahad	5	N21° 03' 23.4"	E-82° 51' 23.0"
		<b>Circle Total-</b>	<b>128</b>		
<b>Rourkela Circle</b>					
13	Rourkela	Barsuan - Matkunjharan	5	N22 08 25.43	E84 58 39.47
		Barsuan - Matkunjharan	10	N22 13 55.59	E55 00 36.06
		Chandiposh - Bihar Border	10	N22 04 55	E84 57 57.80



		Kahanchula - Bankhaman	10	N22 04 10.20	E84 31 06.64
		Rutkupati - Bagdega	5	N22 08 55.88	E84 46 06.62
14	Bonai	Bonaikela-Kulijhar	5	N21 58 56.3	E84 48 49.0
		Kello-Kunjar	15	N21 58 59.7	E84 31 34.7
15	Deogarh	Chhuriabahal to Tusula	19	N 21 31 25.12	E 84 50 44.34
		Thianal to Autal	14	N 21 32 51.0	E 85 10 36.4
		Kadalidihni to Jalisuan	7	N 21 33 06.41	E85 02 41.33
16	Keonjhar	Ahigola to Sankoi	9	N-21 18 50.25	E- 85 26 54.62
		Sankoi to Similipal	7	N- 21 19 28	E- 85 30 54.19
		<b>Total Circle -</b>	<b>116</b>		
<b>Baripada Circle</b>					
17	Similipal North Wildlife	Barehipani hata chhak - Barehipani Brit house	1	N- 21 54 07.7	E-86 16 43.1
		Tulashibani gate - Badaghati gate	5	N- 21 54 12.01	E-86 16 43.2
		Brundaban - Barehipani haat	5	N- 21 54 00	E-86 16 43.3
		Barehipani section office - Fall	2	N- 21 54 4.01	E-86 16 43.4
		Barehipani Section office - Champaghati	3	N- 21 54 02.03	E-86 16 43.5
		Brundaban - Badaghati	3	N- 21 54 05.21	E-86 16 43.6
		Ring road	4	N- 21 54 03.20	E-86 16 43.7
		Ring road - Pandabandha	1	N- 21 54 12.02	E-86 16 34.6
		Chahala - Kairkacha	1	N- 21 54 12.03	E-86 16 42.32
		Chahala - Jodadiha	2	N- 21 54 11.02	E-86 16 12.5
		Rajpal Chhak - Rajpal	4	N- 21 54 14.02	E-86 16 06.4
		Karkachia - Karkachia Beat	3	N- 21 54 02.01	E-86 16 13.4
		Karkachia - Bhatunia Beat	3	N- 21 54 07.19	E-86 16 22.01
		Simentpulia - Haladia Beat	3	N- 21 54 07.20	E-86 16 43.01
18	Rairangpur	Kusumghati - Dahupani	20	N-22-22-56	E-86-17-1.46
		Dahupani - Kukudimundi	10	N-22-21-52.70	E-86-17-85.49
		<b>Total Circle -</b>	<b>70</b>		
<b>Bhawanipatna Circle</b>					
19	Kalahandi(N)	Kashrupada Saling Forest Road	9	N20 12 56.0	E83 19 25.7
		Araskupa Borighat	5	N20.27142	E83.58963
		Jurakhman to Bagbeda	3	N20.17552	E83.59358
		Kamardha to Bhurty	3	N20.014511	E83.434202
20	Kalahandi (S)	Birimuhan-Kutru	12	N 19 34 8.6	E 82 33 57.4
21	Subarnapur	Kumbharmunda-Jamjharan-Polbandh Forest Road	4	N21 02 29.96	E84 03 37.47
		Kharapura-Sunapali	4	N20 54 38.50	E83 38 45.06
		Hatlimunda-Bhaluchuan	2	N20 51 34.66	E83 36 33.30
22	Bolangir	Baidipali to Bijakhman Sikachhida	3	N20 41 26.3	E83 24 09.6
		Lathore - Rengali	12	N20 37 36.1	E82 47 08.1
		Bender -Chahakapada	2	N20 41 0.56	E82 49 59.6
		Dhaurakhman -Pandkimal	7	N20 38 11.5	E82 50 19.2
		Lamkani to Naikensira	14	N20 30 5.88	E83 17 44 13
		Siker-Gulmi	4	N20 21 42.3	E83 09 50.0
		Narikata -Gokhurung	2	N20 21 24.05	E83 13 30.4
		Dhanpur to Thekovella (Deogaon)	4	N20 23 20.0	E83 38 59.2
		Sikachhida to Bijakhman (Deogaon)	4	N20 29 27.3	E83 23 57.9

23	Khariar	Kholi - Redhamal	5	20.381846	82.661913
		Liad - Ranimunda	2	20.409029	82.696468
		Dhobei - Redhamaal	8	20 05 50.0	82 26 21.5
		Darlipada - Ghatamaal	10	20 08 55.2	82 30 53.6
		Ghatmaal - Amlipadar	10	20.409005	82.696321
		<b>Total Circle -</b>	<b>129</b>		
<b>Koraput Circle</b>					
24	Rayagada	Tottaguda – Lilliguma.	4.00	19.23965	83.21127
		Dangasorada – Durgaponga.	8.00	19.68990	83.680585
		Chandrapur – Amlima.	6.00	19.38580	83.54
		Durgi – Mundipadar.	5.00	19.37301	83.60942
		Naira – Karlaghati.	3.00	19.31150	83.698486
		Derigam – Durghati.	4.00	19.30462	83.735253
		Dongasil – Lelligumma	10.00	19.23965	83.21127
25	Koraput	N.patna to Debri	13	N-18.90929	E-82.69318
		Ambaguda to Paramjhola	7	N-18.79308	E-82.71373
		Chidiwalsa to Jayakota	10	N-18.86364	E-83.17590
		Kaspawalsa to Chidiwalsa	5	N-18.64595	E-82.93755
		Alomonda to Sakilobha	5	N-19.04470	E-83.14369
26	Jeypore	Malchama to Gupteswar	10	N 18.95539	E 82.24357
27	Nowrangpur	Maidalpur to Gudupanipadar	15	N19.47731	E82.63728
		Pipalpadar to Baraguda	2	N19.75878	E82.48425
		Kuamba to Uper Dhaimal	4	N19.717757	E82.369765
		Sagjoba to Nuaguda	4	N19.717757	E82.369765
		<b>Total Circle -</b>	<b>115</b>		
		<b>Grand Total :</b>	<b>1000</b>		

<b>(ii) Culvert @ Rs.1.53 lakhs/one</b>					
SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	Longitude
<b>Angul Circle</b>					
1	Athmallik	NRF Compt No-9	1	21.04477	84.54128
		NRF Compt No-9	1	21.04477	84.54128
		NRF Compt No-9	1	21.04456	84.54491
		NRF Compt No-9	1	21.04456	84.54491
		Hatidhara RF Compt. No. 9	1	20 45 14.0	84 39 46.0
		Hatidhara RF Compt. No. 10	1	20 45 54.46	84 40 01.6
<b>Berhampur Circle</b>					
2	Boudh	Culvert at Gotibida to Satakhanda Forest Road 1 no.	1	N20 20 47.9	E84 39 57.6
		Culvert at Talagaon to Kushanga Forest Road 1 no.	1	N20 30 59.6	E84 38 15.7
		Culvert at Talagaon to Ranisahi Forest Road 1 no.	1	N20 28 04.1	E84 39 06.3
		Culvert at Adenigarh to Khuntapada Forest Road 1 no.	1	N20 29 40.0	E84 30 51.2

		Culvert at Adenigarh to Kachapaju Forest Road 1 no.	1	N20 29 35.3	E84 29 10.8
		Culvert at Tentulimunda	1	N 20 26 20.45	E 83 42 56.28
		Culvert at Malikud to Sindhugora	1	N 20 31 22.8	E 83 44 55.9
		Culvert at palasogora to Chancher	1	N 20 37 40.3	E 83 53 21.1
<b>Sambalpur Circle</b>					
3	Bargarh	Bugbugi-Amkata	1	N-21-35-54.69	E-83-29-35.48
4	Hirakhud WL	Sukhanali	1	N-21-41-9.0	E-83-35-16.6
		Kamgoan	1	N-21-28-28.0	E-83-38-28.0
		Lambipali	1	N-21-29-20.7	E-83-39-44.9
		Bhuliadihi	1	N-21-28-41.0	E-83-37-43.0
		Brijenbahali Nala	1	N-21-38-28.4	E-83-38-56.7
<b>Rourkela Circle</b>					
5	Keonjhar	Murgapahadi to Mahisigotha	1	N-21 25 23	E- 85 58 21
<b>Bhawanipatna Circle</b>					
6	Subarnapur	Kharapura-Sunapali Forest Road	5	N20 56 42.27	E83 58 26.42
		Hatlimunda-Bhaluchuan Forest Road	5	N20 58 22.68	E83 56 41.88
<b>Koraput Circle</b>					
7	Nowrangpur	S.H Jharigaon to C.N Jharigaon Foratroad	1	N19.73306	E82.37631
<b>Grand Total-</b>			<b>32</b>		

<b>(iv) Range Officer's Residence @ Rs.14.54 lakhs/one</b>					
SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	Longitude
<b>Angul Circle</b>					
1	Angul	Kaniha	1	21.09394444	85.05802778
2	Athgarh	Athagarh	1	N 20 31 47	E 85 36 05
3	Cuttack	Sukinda Range Office Campus	1	20 57 39.08	85 54 55.96
	<b>Total-</b>		<b>3</b>		
<b>Bhubaneswar Circle</b>					
4	Khurda	Khurda	1	19-56-53.55	85-26-59.32
5	Rajnagar WL	Kanika-1 No	1	N.20°44'35"	E.86°52' 00"
6	Nayagarh	Gania Range	1	N-20 23 59.4	E-85 02 33.60
7	City Forests	Jobra	1	20 33 13.7	85 54 54.2
8	Bhadra Kh WL	Chandbali	1	20.774235	86.738575
	<b>Total-</b>		<b>5</b>		
<b>Berhampur Circle</b>					
9	Phulbani	Sudrukumpa	1	20 32 36.5	84 18 12.94
10	Baliguda	Daringbadi	1	N-19-54-24.5	E-84-07-32.4
11	Berhampur	Berhampur	1	N 19 18 44.1	E 84 32 84.0
12	Parlakhemundi	Parlakhemundi	1	N 18 45 37	E 84 03 56
13	Bamara WL	Bamara	1	N- 22 3 42.85	E - 84 17 1.06
	<b>Total-</b>		<b>5</b>		
<b>Rourkela Circle</b>					
14	Sundargarh	Range Office, Campus	1	N 22 07 01.0	E 84 02 56.0
15	Rourkela	Panpose	1	N22 08 25.43	E84 58 39.47
16	Bonai	Bonai	1	N21 49 17.20	E84 57 05.3
	<b>Total-</b>		<b>3</b>		

Baripada Circle					
17	Baripada	Udala	1	N 21 34 34.9	E 86 33 55.7
18	Karanja	Satkosia Range Office Campus	1	N 21 21 35.6	E 86 09 37.0
19	STR	Bhanjabasa	1	N-21 <sup>0</sup> 36' 11.2"	E-860 22' 32.2"
20	Similipal North WL	Nawana North WL Range	1	21 53 20.9	86 23 06.1
		Talabandha WL Range	1	22 01 43.2	86 20 34.5
21	Keonjhar WL	Deogaon	1	N 21 <sup>0</sup> 10' 1.3"	E 860 3' 14.7"
		<b>Total-</b>	<b>6</b>		
Bhawanipatna Circle					
22	Kalahandi( N)	Bhawanipatna	1	N20 16 08.9	E83 37 34.9
23	Bolangir	Lathore	1	N20 37 39.7	E82 45 57.2
		<b>Total-</b>	<b>2</b>		
Koraput Circle					
24	Rayagada		1		
25	Koraput	Nuapatna	1	N-18.992066	E-83.125064
		Balda	1	N-18.992060	E-83.125000
26	Jeypore	Borigumma	1	19.05694	82.53710
27	Nowrangpur	Nabarangpur	1	N19.32993	E82.50432
28	Malkangiri	Govidnapalli	1	N18.0555	E82.1315
		Malkangiri	1	N18.253438	E82.135721
		<b>Total-</b>	<b>7</b>		
Development Circle					
29	TS Champua	Champua	1	N 22 04 48	E 85 40 42
30	TS G.Udayagiri	Udayagiri	1	N 20 02 55	E 84 22 29
31	Silva Rayagada	Ravaged	2	19.073858	83.526778
		<b>Total-</b>	<b>4</b>		
		<b>Grand Total-</b>	<b>35</b>		

(v) Range Office @ Rs.19.38 lakhs/one					
SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	longitude
Angul Circle					
1	Angul	Angul	1	21.09292323	85.05802456
2	Satkosia WL	Raigoda(Range Office Campus)	1	N 20 35 48.5	E 85 03 29.1
3	Dhenkanal	Sadangi	1	N20-4830.72	E85-49-59.4
4	Mahanadi WL		1		
5	<b>Total-</b>		<b>4</b>		
Bhubaneswar Circle					
6	Khurda		1		
7	Rajnagar WL	Rajnagar-1No	1	N.20°56' 99.0"	E.86°67'30.9"
8	Chilika WL		1		
9	City Forests		1		
10	Bhadrakh WL	Chandbali	1	20.774431	86.738501
11	<b>Total-</b>		<b>5</b>		
Berhampur Circle					
12	Gh.North	Dolopitha	1	N 20 04 54.5	E 84 35 45.7
13	Parlakhemundi		1		
14	<b>Total-</b>		<b>2</b>		

Sambalpur Circle					
15	Sambalpur	Jujomura	1	N-21-14-26.98	E-84-08-13.89
16	Rairakhol		1		
17	<b>Total-</b>		<b>2</b>		
Rourkela Circle					
18	Rourkela	Biramitrapur	1	N22 24 28.1	E84 43 00.26
19	Deogarh	Pallahara	1	N21 26 5.7	E85 11 53.4
20	<b>Total-</b>		<b>2</b>		
Baripada Circle					
21	STR	Badagaon	1	N-21° 01' 24.8"	E-860 30' 45.5"
22	Similipal North WL	Barehipani WL Range	1	21 56 55.4	086 20 57.9
23		Talabandha WL Range	1	22 01 42.0	086 20 36.2
24	Keonjhar WL	Anandapur	1	N 21° 12' 57.80"	E 86 6' 17.13"
25	<b>Total-</b>		<b>4</b>		
Bhawanipatna Circle					
26	Kalahandi( N)	M.Rampur	1	N 20 19 13	E 83 31 52
27	Kalahandi (S)	Dharmagarh	1	N 19 34 8.6	E 82 33 57.4
28	Bolangir	Bangomunda	1	N20 21 35.22	E82 54 25.17
29	<b>Total-</b>		<b>3</b>		
Koraput Circle					
30	Rayagada	K.singpur	1	19-30-32.0	83-18-50.4
31	Koraput	N.patna	1		
32	Jeypore	Gupteswar	1	18.4631800	82.1446700
33	<b>Total-</b>		<b>3</b>		
34	<b>Grand Total-</b>		<b>25</b>		

(vi)Forester Quarter @ Rs.11.19 lakhs/one					
SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	longitude
Angul Circle					
1	Angul	Chhendipada-2	1	21.08283333	84.87066667
		Nisha	1	20.92739444	85.00169722
2	Athmallik	Dhandatopa	1	20 48 04.08	84 36 03.28
		Handapa Fr. Qtr	1	20 57 10.3	84 41 13.5
3	Satkosia WL	Pampasar	1	N 20 42 06	E 84 56 50.6
		Tikarpada	1	N 20 35 48.5	E 84 47 8.1
4	Dhenkanal	Mahabirod	1	N21-04-48.11	E 85-22-8.31
		Bhuban	1	N-20-52-59.1	E-85-49-15.5
5	Athgarh	Maniabandh Forester Quarter	1	N-20-27-03.0	E-85-25-52.3
		Gopapur Forester Quarter	1	N-20-24-40.4	E-85-17-36.7
6	Cuttack	Jajpur Town of Jajpur Road Range	1	20 59 50.45	85 59 04.02
		Duburi of Tomka Range	1	20 59 52.65	85 59 06.74
7	Mahanadi WL		2		
	<b>Total-</b>		<b>14</b>		
Bhubaneswar Circle					
8	Khurda		4		
9	Puri WL		2		

10	Rajnagar WL	Kujang-1 No	1	N.20° 19' 88"	E.86° 31' 19"
11	Nayagarh	Khandapada	1	N - 20 15 29.60	E - 85 10 40.56
		Takera	1	N - 20.393072	E - 84.751230
12	Chilika WL		1		
13	Chandaka WL	Minchinpatna	1	N 20 15 50	E 85 38 32
14	City Forests		2		
	<b>Total-</b>		<b>13</b>		
<b>Berhampur Circle</b>					
16	Phulbani	Sudrukumpa	1	20 32 36.5	84 18 12.94
		Chahali	1	20 12 20.8	84 29 18.6
17	Baliguda	Subarnagiri	1	N-19-50-18.2	E-83-43-30.8
		Dharampur	1	N20-06-23.6	E84-06-19.5
18	Boudh		1		
19	Gh.South	Asurabandha in Surada Range	1	N 19 47 49.6	E 84 21 54.1
		Dhoupada in Badagada Range	1	N 19 35 47.38	E 84 29 32.40
20	Gh.North	Badangi	1	N 20 09 01.4	E 84 34 59.8
		Tilisingi	1	N 20 01 12.7	E 84 37 49.2
		Ghogada	1	N 20 12 52.2	E 84 87 17.2
21	Berhampur	Digapahandi	1	N 19 23 1.7	E 84 33 52.6
		Surangi	1	N 19 09 49.52	E 84 31 45.09
		Turubudi	1	N 19 09 56.5	E 84 24 23.4
22	Parlakhemundi		4		
	<b>Total-</b>		<b>17</b>		
<b>Sambalpur Circle</b>					
23	Jharsuguda		2		
24	Sambalpur	Kusamura	1	N-21-18-5.4	E84-13-13.8
		Larasara	1	N-21-10-53.8	E-83-14-47.9
25	Rairakhol		3		
26	Bargarh	Bhatli	1	N-21-33-49.1	E-83-30-40.6
27	Bamara WL	Bamra WL	1	N 22 3 10.95	E 84 17 22.44
		Bamra WL	1	N 22 3 10.95	E 84 17 22.44
		Bamra WL	1	N 22 3 8.93	E 84 17 24
28	Hirakhud WL		2		
	<b>Total-</b>		<b>13</b>		
<b>Rourkela Circle</b>					
29	Sundargarh	Range Office, Campus	1	N 22 06 59.7	E 84 02 55.1
		Dumabhal	1	N 22 09 04.7	E 83 43 38.3
		Sanpatrapali	1	N 22 166516	E 84 02427
30	Rourkela	Madhupur	1	N21 55 55.72	E84 53 30.62
		Check gate	1	N 22 14 59.41	E85 00 24.37
31	Bonai	Barsuan	1	N21 51 5.00	E85 06 58.7
		Koira	1	N21 57 32.8	E85 5 19.3
32	Deogarh	Kansar	1	N21 26 23.50	E84 30 39.50
		Palsama	1	N21 17 9.32	E84 53 12.9
		Saharagurujang Section	1	N21 22 06.42	E85 06 45.9
33	Keonjhar	Kanjipani	1	21-29-31	85-28-14
	<b>Total-</b>		<b>11</b>		
<b>Baripada Circle</b>					
34	Baripada	Kuamara	1	N 21 37 36.8	E 86 43 43.2
35	Karanja	Dari Section Office	1	N 21 52 27	E 85 57 56
36	Rairangpur	Bisoi Range Office Campus	1	N 22 10 02.7	E 86 25 34.3
37	Balasure WL	Jodachua	1	21.426033	86.617853

38	STR	Rangamatia	1	N-22° 04' 49.6"	E-860 28' 13.4"
		Podadiha	1	N-21° 33' 36.6"	E-860 25' 55.5"
39	Similipal North WL	Nawana	1	21 53 20.4	86 23 03.7
		Utras	1	21 54 56.3	86 04 41.8
		Karkatbeda	1	21 35 07.6	86 13 37.9
40	Keonjhar WL	Brahmanipal	1	21° 7' 15.7"	850 54' 48.3"
<b>Total-</b>			<b>10</b>		
<b>Bhawanipatna Circle</b>					
41	Kalahandi( N)	Kesinga	1	N 20 11 60	E 83 13 48.00
		Bhawanipatna	1	N 19 53 59.5104	E 83 9 33.5412
42	Kalahandi (S)	Bhawanipatna (Divn.Mobile)	1	N 19 55 43.2	E 83 1012.9
		Birimuhan	1	N 19 3258.1	E 82 35 37.0
43	Bolangir	Kantabanji	1	N20 28 08.1	E82 54 20.1
44	Khariar	Beltukri	1	21 01 33.4	82 38 39.1
45	Sunabeda WL	Siletpani	1	N20 36 11.0	E82 32 54.0
		Sunabeda	1	N20 30 48.9	E82 27 38.0
<b>Total-</b>			<b>8</b>		
<b>Koraput Circle</b>					
47	Rayagada	Kasipur	1	19.35508	83.120915
		Mandibisi	1	19.396749	83.158032
48	Koraput	Damanjodi	1		
		Bandhugam	1		
		Pottangi	1		
49	Jeypore	Dashmantpur	1	N 18.68166	E 82.42388
		Bagderi	1	N 18.59449	E 82.19232
50	Nowrangpur	Medena	1	N19.56592	E82.40583
		Raighar	1	N19.88695	E82.07369
51	Malkangiri	Gajiaguda	1	N 18.080694	E 82.03367
		Pangam	1	N 18.041527	E 81.92297
<b>Total-</b>			<b>11</b>		
<b>Development Circle</b>					
54	TS G.Udayagiri		1		
55	Silva Rayagada	Jaring	1	N-190 53'39.14"	E 830 00'06.39"
56		Koraput RS	1	N-180 49'3.9"	E 820 41' 23.6"
<b>Total-</b>			<b>3</b>		
<b>Grand Total-</b>			<b>100</b>		

**(vii) Forest Guard Quarter @ Rs.8.12 lakhs/one**

SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	Longitude
<b>Angul Circle</b>					
1	Angul	Poktunga at Sankhapur	1	20.73667	85.05058
2		Lembutaila	1	20.81826	84.85535
3		Kanloi	1	21.15194583	85.1862333
4		Kuio	1	20.89338889	85.07708333
5		Samal	1	21.06430556	85.13208333
6	Athmallik	Pedipathar FG Qtr	1	20 53 11.9	84 41 55.4
7		Gobindpur FG Qtr	1	20 53 11.9	84 41 55.4
8	Satkosia WL	Jocub	1	N 20 40 14	E 84 57 14.4

9		Bhrukundi	1	N 20 35 5.7	E 85 00 2.03
10			1		
11			1		
12	Dhenkanal	Sanda	1	N20-50-09.83	E85-25-9.52
13		Dasipur	1	N-21-04-54.44	E-85-22-15.68
14		Govindprasad	1	N-20-35-46.88	E-85-28-59.66
15		Biradia	1	N-20-40-12.48	E-85-42-43.71
16	Athgarh	Banapur F.G Quarer	1	N-20-26-29.6	E-85-22-05.6
17		Janipadar F.G Quarer	1	N-20-26-28.5	E-85-13-22.9
18		Saradhapur Forester Quarter	1	N-20 32 12.1	E-84 59 01.2
19		Barasingha Forester Quarter	1	N-20 32 43.1	E-85 01 53.8
20	Cuttack	Duburi of Tomka Range	1	20 59 52.65	85 59 06.46
21		Patapur of Sukinda Range	1	20 01 48	85 53 46
22		Kolha of Dalijora Range	1	20 41 54.7	85 57 15.2
23		Agrahat of Dalijora Range	1	20 33 13.7	85 54 54.2
24	<b>Mahanadi WL</b>		<b>1</b>		
25	<b>Total-</b>		<b>24</b>		
<b>Bhubaneswar Circle</b>					
26	<b>Khurda</b>		<b>5</b>		
27	Puri WL	Konark	1	N19° 53'22.5"	E 086° 05'27.7"
28		Chitreswari Beat	1	N-19° 54' 37.1"	E-86° 10' 42.4"
29	Rajnagar WL	Krushnanagar-1 No	1	N.20°45'55	E.86°53' 15"
30		Rajkanika-1 No	1	N.20° 43' 25"	E.86° 42' 09"
31		Nalitapatia-1 No	1	N.20°44' 51"	E.86°50' 13"
32	Nayagarh	Bhogabadi	1	N - 20.299633	E - 84.769980
33		Rakesia	1	N - 20 20 16.48	E - 85 08 18.20
34	<b>Chilika WL</b>		<b>2</b>		
35	Chandaka WL	Talabasta	1	N 20 20 52.7	E 85 35 06.38
36	<b>City Forests</b>		<b>2</b>		
37	<b>Total-</b>		<b>17</b>		
<b>Berhampur Circle</b>					
38	Phulbani	Kurmingia	1	20 09 48.0	84 24 57.4
39		Pindangi	1	20 23 53.1	83 52 11.5
40		Rabingia	1	20 19 32.7	84 02 25.2
41		Pasara	1	20 16 27.1	84 26 54.0
42		Chakapad	1	20 17 13.8	84 28 42.2
43	Baliguda	Tilori	1	N-19-59-37.3	E-83-59-19.1
44		Belghar	1	N19 42 35.6	E84 06 39.0
45		Sasimaha	1	N-19-43-06.04	E-83-58-46.00
46		Tamangi	1	N19 41 33.5	E84 02 37.1
47	<b>Boudh</b>		<b>4</b>		
48	Gh.South	Katakala in Buguda Range	1	N 19 48 34.12	E 84 47 23.56
49		Karchulli in Buguda Range	1	N 19 53 55.8	E 84 53 11.0
50		Sodaka in Polasara Range	1	N 19 44 14.5	E 84 47 28.0
51		Miajodi in Surada Range	1	N 19 47 12.8	E 84 16 22.1
52	Gh.North	Brahmanapadara	1	N 20 05 21.1	E 84 32 35.8
53		Badaborasingi	1	N 19 49 51.9	E 84 33 47.0
54		Manapur	1	N 20 02 23.4	E 84 40 33.3
55		Kudutei	1	N 19 57 07.0	E 84 40 20.0
56		Bellaguntha	1	N 19 53 20.0	E 84 38 53.0
57	Berhampur	Gopalpur	1	N 19 16 34.0	E 84 53 28.0



58		Chikiti	1	N 19 12 19.7	E 84 36 58.9
59		Jarada	1	N 19 04 48.52	E 84 30 25.22
60	<b>Parlakhemundi</b>		<b>4</b>		
61	<b>Total-</b>		<b>29</b>		
<b>Sambalpur Circle</b>					
62	<b>Jharsuguda</b>		<b>3</b>		
63	Sambalpur	G.badmal	1	N-21-21-29.06	E-84-08-7.59
64		Hatibari	1	N-21-19-40.72	E-84-05-50.46
65		Motijharan - East	1	N-21-28-7.03	E-83-59-9.5
66		Lahanda	1	N-21-27-05.8	E-83-50-54.61
67	<b>Rairakhol</b>		<b>4</b>		
68	Bargarh	Gangei	1	N-21-33-49.1	E-83-30-40.6
69		Lambarjuna	1	N-21-04-22-0	E-83-05-13
70		Mithapali	1	N20 54 12.4	E082 47 34.7
71	<b>Bamara WL</b>		<b>3</b>		
72	<b>Hirakhud WL</b>		<b>3</b>		
73	<b>Total-</b>		<b>20</b>		
<b>Rourkela Circle</b>					
74	Sundargarh	Kirei Beat	1	N 22 04 11.5	E 84 02 01.8
75		Deuli Beat	1	N 21 59 17.2	E 84 02 29.0
76		Tangardihi Beat	1	N 21 53 23.30	E 84 47 38.20
77		Gundiadihi	1	N 22 12 55.6	E 83 48 53.4
78	Rourkela	Chandiposh	1	N22 04 07.07	E84 54 44.81
79		Silikuta	1	N22 59 34.69	E85 00 54.64
80		Bisra	1	N22 15 43.49	E85 01 52.12
81		Podmara	1	N22 11 40.23	E84 34 06.54
82	Bonai	Topadihi	1	N22 02 56.2	E85 09 49.7
83		Kantapali	1	N21 54 12.0	E84 47 34.2
84		Jharbeda	1	N21 48 41.2	E84 52 12.2
85		Phatatangar	1	N21 49 08.4	E84 31 08.39
86	Deogarh	Barghat	1	N21 31 28.2	E84 33 28.0
87		Rengalbeda Forest Office Campus	1	N 21 26 59	E 84 41 22
88		Chasagurjanga	1	N 21 26 42.0	E 85 05 15.2
89		Nuagaon	1	N 21 31 02.12	E 84 52 55.84
90		Sibida	1	N 21 28 53.1	E85 15 34.8
91	Keonjhar	Raidiha	1	21-39-2.5	86-0-0.7
92		Udayapur	1	21-42-43.1	85-51-40.5
93		Telkoi	1	21-21-25.5	85-23-54.4
94		Golabandha	1	21 26 4.3	85 21 56.9
95	<b>Total-</b>		<b>21</b>		
<b>Baripada Circle</b>					
96	Baripada	Mega Nursery	1	N 22 11.13	E 86 37 49
97		Baripada	1	N 21 55 39.5	E 86 43 36.9
98		Gaon Amarda	1	N 21 47 28.1	E 87 07 50.7
99		Bhandar	1	N 21 22 32	E 86 20 43
100		Kutling	1	N 21 35 39.9	E 86 30 11.5
101	Karanjia	Dhatikidiha Beat – I	1	N 21 18 35.2	E 86 30 6 4.4
102		Boring	1	N 21 33 52	E 86 59 39
103		Haldia	1	N 21 52 17.8	E 85 53 39.2
104		Naksara	1	N 22 8 3.5	E 85 49 39
105		Hatibari	1	N 21 48 13.4	E 86 6 28.8
106	Rairangpur	Gargadihi (Bisoi)	1	N 22 10 02.7	E 86 25 34.3

107		Deopata (Bisoi)	1	N 22 9 40.37	E 86 24 10.58
108		Manada Beat (Manada)	1	N 22 4 54.2	E 86 14 2.9
109		Chadeipahadi (Bisoi)	1	N 22 18 54.6	E 86 23 32.8
110	Balasore WL	Chekamara (Dangrasahi)	1	21°28' 48.6"	86°41'06.8"
111		Babandh	1	21°28' 53.0"	86°38'57.1"
112	STR	Sapanchua	1	N-21° 48' 07.3"	E-860 34' 16.3"
113		Ranasa	1	N-21° 44' 46.3"	E-860 17' 49.5"
114		Mahabirshal	1	N-21° 43' 39.5"	E-860 13' 47.3"
115		Dhundubasa	1	N-21° 47' 59.2"	E-860 27' 15.2"
116		Gurandia-II	1	N-21° 46' 29.8"	E-860 17' 05.5"
117		Jatiani	1	N-21° 42' 41.7"	E-860 10' 27.3"
118		Silda	1	N-21° 40' 21.2"	E-860 10' 51.1"
119		Balidar	1	N-21° 35' 15.2"	E-860 21' 03.7"
120	Similipal North WL	Budhabalanga Beat	1	21 50 19.3	86 23 47.6
121		Phulbari Beat-I	1	21 54 07.7	86 16 43.1
122		Phulbari Beat-II	1	21 52 54.5	86 18 37.2
123		Bankidihi Beat	1	22 10 35.4	86 28 23.0
124		Salaghati	1	22 02 02.7	86 22 46.9
125		Talabandha Beat	1	22 01 45.6	86 20 36.9
126		Ektali Beat	1	21 54 56.3	86 04 41.8
127		Chatani Beat	1	22 04 50.9	86 16 27.8
128		Asadala Beat	1	22 05 09.9	86 19 28.8
129		Karkatbeda Beat	1	21 37 07.6	86 13 37.9
130		Kirkichipal Beat	1	21 31 58.5	86 15 41.9
131	Badmahuldiha	1	21 35 49.7	86 10 54.9	
132	Keonjhar WL	Kathakata	1	21° 15' 14"	860 13' 22"
133		Baniapanka	1	21° 15' 25.01"	860 21' 26.58"
134		Hadagarh	1	21° 16' 27.4"	860 18' 17.8"
135		Deogaon	1	21° 10' 2.6"	860 3' 15"
136	<b>Total-</b>		<b>40</b>		
<b>Bhawanipatna Circle</b>					
137	Kalahandi( N)	Taparang	1	N 20 11 48	E 83 11 45.03
138		Burat	1	N 20 6 11.87	E 83 9 53.64
139		Kutrukhamar	1	N 20 11 48	E 83 02 45.03
140		Sarlanji	1	N 20 11 22.05	E 83 18 41
141		Parmanandpur	1	N 20 09 50.3	E 83 23 12.30
142	Kalahandi (S)	Moter	1	N 19 51 31.4	E 82 55 47.3
143		Dhadel	1	N 19 44 01.6	E 83 18 37.7
144		Dakabahali	1	N 19 56 37.2	E 83 10 03.2
145		Bagnipadar	1	N 19 55 55	E 83 24 37.5
146	Raktaboden	1	N 19 32 08.2	E83 10 3.2	
147	Bolangir	Dholmandal Beat (Kantabanji)	1	N20 30 10.1	E82 44 00.8
148		Bangomunda Beat (Bangomunda)	1	N20 21 36.5	E82 54 24.4
149		Sankhua Beat (Loisingha)	1	N20 58 17.4	E83 32 12.5
150		Dangabanji Beat (Muribahal)	1	N20 21 52.5	E83 04 22.3
151		Banjidunguri Beat (Patnagarh)	1	N20 37 12.5	E82 59 51
152	Khariar	Kendubahada	1	N20 511.08	E82 23 33.8
153		Lakhna	1	N20 49 25.79	E82 38 19.42
154		Sethjampani	1	N20 46 41.18	E82 22 05.59

155		Ranimunda	1	N20.17824	E82.78164
156	Sunabeda WL	Golabandh	1	N20 42 04.9	E82 30 84.9
157		Jamgaon	1	N20 32 23	E82 30 29
158		Haluapali	1	N20 36 50	E82 30 55
159	<b>Total-</b>		<b>22</b>		
<b>Koraput Circle</b>					
160	Rayagada	Chatapadar	1	19-30-31	83-18-50
161		K.Singpur	1	19-30-31	83-18-50
162		Bijaynagar	1	19-30-28	83-18-47
163		Polligoan	1	19-30-28	83-18-47
164	Koraput	Mathalput	1		
165		Lulla	1		
166		Dandabadi	1		
167		Thuba	1		
168		Chatua	1		
169		Lamtaput	1		
170	Jeypore	Kotta	1	18.769440	82.512500
171		Ramaguda	1	18.970398	82.667797
172		Ghatagumar,	1	18.500447	82.365700
173		Danagarpali,	1	18.594490	82.192320
174	Nowrangpur	Jatabal Beat	1	N19.38503	E82.46369
175		Kuambo	1	N19.45575	E82.41008
176		Kuhudi	1	N19.666215	E82.204033
177		Khudhuku	1	N19.88695	E82.07369
178	Malkangiri	Bapanpalli	1	N 18.312639	E 81.950970
179		Chaulmendi	1	N 18.0686194	E 81.81866
180		Godiali	1	N 18.0176528	E 81.70125
181		Gunthawada	1	N 18.349778	E 82.054056
182	<b>Total-</b>		<b>22</b>		
<b>Development Circle</b>					
183	DFT Angul		2		
184	Silva Rayagada	Rayagada	1	N-190 09' 45.7"	E 830 25' 09.9"
185		Rayagada	1	N-190 09' 45.6"	E 830 25' 10.3"
186		Koraput RS	1	N-180 49' 2.3"	E 820 41' 23.2"
187	<b>Total-</b>		<b>5</b>		
188	<b>Grand Total-</b>		<b>200</b>		

(iii) Causeway @ Rs.1.06 lakhs/Causeway					
SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Athmallik	Bamur Range NRF Compt No-12	1	21.04477	84.54128
2		Bamur Range NRF Compt No-12	1	21.04477	84.54128
3		Bamur Range NRF Compt No-12	1	21.04456	84.54491
4		Dhandatopa Range Hatidhara RF Compt. No. 22	1	21.04456	84.54491
5		Dhandatopa Range Hatidhara RF Compt. No. 22	1	20 45 14.0	84 39 46.0

6		Athmallik Range Hatidhara RF Compt. No. 28	1	20 39 11.0	84 41 29.8
7		Athmallik Range Hatidhara RF Compt. No. 28	1	21 01 8.7	84 38 30.2
8		Handapa Range Khola Road	1	21 01 9.1	84 38 30.9
9		Handapa Range Khola Road	1	20 45 54.46	84 40 01.6
<b>Berhampur Circle</b>					
10	Boudh	Adenigarh - Kachapaju	1	20 29 56.6	84 3225.2
11		Adenigarh0Khuntapada	1	20 29 27.9	84 30 51.2
12		Talagaon-Ranisahi	1	20 26 57.7	84 39 11.9
13		Talagaon-Kushanga	1	20 31 25.0	84 38 52.9
14		Gotibida-Satakhanda	1	20 28 47.4	84 39 44.7
15		Udamunda	1	20 36 59.9	84 07 32.8
16		Darukupa	1	20 38 03.2	84 00 24.6
17		Adesingh	1	20 37 43.0	83 85 21.0
<b>Sambalpur Circle</b>					
18	Bargarh	Bubbugi-Amkata	1	21-34-47.69	83-29-07.69
19		Sukulipahad-Chuhapali	1	21-06-30.9	82-56-43.0
20		Ch.pali-Spahad	1	21-02-40.2	82-51-03.9
21		Ch.pali-Spahad	1	21-02-42.4	82-51-06.4
22		Kapildhar F Road	1	20-55-37.5	82-49-15.8
<b>Rourkela Circle</b>					
23	Keonjhar	Baiganapal - K.bahali	1	21 26 26.0	85 57 6.0
24		Murgafadi - M. Gotha	1	21 25 20.0	85 58 16.0
25		Murgafadi - M. Gotha	1	21 25 41.0	85 57 52.0
26		Sankoi - Similipal	1	21 19 28.0	85 30 54.19
27		Sankoi - Similipal	1	21 19 03.2	85 30 34.2
<b>Bhawanipatna Circle</b>					
28	Kalahandi North	Causeway 1	1	N20 13 58.4	E83 17 49.3
29		Causeway 2	1	N20 14 03.7	E83 17 40.3
30		Causeway 3	1	N20 14 06.4	E83 17 36.4
31		Causeway 4	1	N20 14 06.3	E83 17 36.7
32		Causeway 5	1	N20 14 09.7	E83 17 31.2
33	Bolangir	Bonda R.F.	1	N20 41 15.14	E83 24 12.62
34		Lathore - Rengali	1	N20 37 23.0	E82 47 45.0
35		Dhaurakhaman - Pandkimal	1	N20 38 11.5	E82 50 19.29
36		Lamkani to Naikensira	1	N20 30 16.04	E83 19 05.79
37		Siker-Gulmi	1	N20 21 52.9	E83 10 13.35
<b>Koraput Circle</b>					
38	Nowrangpur	Maidalpur to Gudupanipadar	1	N19.49861	E82.59447
39		Maidalpur to Gudupanipadar	1	N19.49925	E82.59794
40		Maidalpur to Gudupanipadar	1	N19.14228	E82.60867
41		Maidalpur to Gudupanipadar	1	N19.47592	E82.62833
42		Maidalpur to Gudupanipadar	1	N19.48167	E82.58581
43	Jeypore	Malchama-Gupteswar	1	18.95632	82.24383
44		Malchama-Gupteswar	1	18.95724	82.24386
<b>Baripada Circle</b>					
45	STR	Manabhanga	1	N-21° 32' 24.7"	E-860 22' 10.2"
46		Manabhanga	1	N-21° 32' 14.6"	E-860 21' 59.6"
47		Dangadiha	1	N-21° 31' 38.0"	E-860 21' 02.2"
48		Dangadiha	1	N-21° 31' 06.4"	E-860 20' 32.9"

49	Similipal North	Champanala	1	21 56 32.6 21 54 38.1	86 22 13.2 86 17 24.4
50		Nowana Sarpanch Sahi	1	22 53 27.2 21 54 38.1	86 21 23.4 086 17 24.4
51		Bachham Kocha	1	23 56 29.6 21 54 38.1	86 19 13.4 086 17 24.4
52		Triban Kocha	1	24 54 30.4 21 54 38.1	86 20 23.2 086 17 24.4
53		Sasang Jharan	1	25 52 31.9 21 54 38.1	86 21 19.7 086 17 24.4
54		Paka pola nala	1	26 56 32.6 21 54 38.1	86 20 22.5 086 17 24.4
55		Rabaj Jharan	1	27 56 30.6 21 54 38.1	86 19 19.6 086 17 24.4
56		Balidhar Nala	1	28 53 32.6	86 20 23.3
57		Balasore WL	Causeway 1	1	21 28 35.0
58	Causeway 2		1	21 45 5.31	86 59 19.73
59	Causeway 3		1	21 26 44.2	86 36 52.2
60	Causeway 4		1	21 38 34.6	86 33 22.5
61	Causeway 5		1	21 28 32.7	86 56 48.2
62	<b>TOTAL</b>		<b>61</b>		

<b>(iX) Seizure Yard @ Rs.12.00 lakhs/ One</b>					
SI No	Name of the Division	Location	Numbers	Geo-coordinates	
				Latitude	longitude
Bhubaneswar Circle					
1	Nayagarh	Khandapada	1	20-15-31.08	85-10-41.77
Berhumpur Circle					
2	Boudh	Manamunda	1	20-49-35.93	83-55-12.60
<b>TOTAL</b>			<b>2</b>		

<b>(X) Compound Wall@ 0.05 Lakh per RMT</b>					
SI No	Name of the Division	Location	Compound Wall (IN RMT)	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Angul	Compound wall with gate at Bantal Range Office	180	N-20.44331	E-85.03465
2		Compound wall with gate at Nuakheta Section office	100	N-20.39197	E-85.0434
3		Compound wall with gate at Kanja Section officer	80	N-20.38559	E-85.06501
4		Compound wall at Jarapada Range office Campus	40	N-20.877649	E-84.882219
5		Compound wall at Basantapur Beat House	180	N-21.052166	E-84.8145
6		Compound wall at Balipatta Beat House	70	N-20.984128	E-84.854106
7		Compound wall at Lembutaila Beat House	70	N-20.810000	E-84.839472
8		Compound wall at Seepur Section office at pabitranaagar	40	N-21.13464	E-85.16603
9		Compound wall at Bulajhar-II, FG Qrs at Dholagandia	40	N-21.09536	E-85.21153

10		<b>Total-</b>	<b>800</b>		
11	Athmallik	Rangamatia FG Qtr.	100		
12		Phuljhari FG Qtr.	100		
13		Nuagaon FG.Qtr	100		
14		Naikapada FG Qtr.	40		
15		Section office Kia kata	20		
16		Rest shed Kia Kata	120		
17		FG Qtr. Ghodagadi	120		
18		FRH Koraba	100		
19		<b>Total-</b>	<b>700</b>		
20	Dhenkanal	FG Qtr. At Kanehipal	150	20-57-16.8	85-41-05.14
21		FG Qtr. At Kampulei	100	21-02-55.9	85-41-59.3
22		FG Qtr. At Jiridamali	50	20-56-00.2	85-32-43.6
23		<b>Total-</b>	<b>300</b>		
<b>Circle Total-</b>			<b>1800</b>		
<b>Bhubaneswar Circle</b>					
25	Khurda	Khurdha	<b>500</b>		
26	Nayagarh	Beat house at Naukhala	65	N - 19 56 48.10	E - 84 55 19.60
27		Beat house at Banthapur	105	N - 19 56 56.20	E - 84 59 18.70
28		Forester quarter at Bahajadajhola	50	N - 20 04 34.90	E - 84 54 53.90
29		Hanumanta Beat house	120	N - 20 307345	E - 84.668158
30		Nuagaon Beat house	100	N - 20.226624	E - 84.583719
31		Pokharigochha beat house	160	N - 20.264964	E - 84.750145
32		Kujamendi beat house	100	N - 20.362591	E - 84.518130
33		Takera Section office	100	N - 20.393072	E - 84.751230
34		<b>Total:</b>	<b>800</b>		
35		City Forests	DFO Office	100	
36	R O Bhubaneswar		80		
37	R.O Mancheswar		120		
38	R.O. Phulnakhara		70		
39	R.O. Cuttack		130		
40	<b>Total-</b>		<b>500</b>		
41	BhadraKh WL	Basudevpur Range Office	<b>100</b>	21.118513	86.744145
42	<b>Total-</b>		<b>1900</b>		
<b>Berhampur Circle</b>					
43	Phulbani	FG Qr, Panaspadar	120	20 29 20.3	84 15 37.9
44		FG Qr, Gumagada	100	20 21 45.6	84 16 04.1
45		FG Qr,Chakapad	100	20 17 38.3	84 29 04.7
46		FG Qr, Baradakhhol at Brahmnapad	55	20 18 58.7	84 28 34.8
47		FG Qr, Sankarakhol	83	20 18 57.0	84 17 50.3
48		Range Office, Phiringia	100	20 25 45.1	84 01 22.0
49		FG Qr, Malikpada	50	20 24 43.8	84 09 37.7

50		FG Qr,Kalinga	92	20 09 48	84 24 56.3
51		<b>Total</b>	<b>700</b>		
52	Baliguda	Range Office	100	N19 42 35.6	E84 06 39.0
53		Srirampur Section office	100	N-19-44-08.2	E83-53 54.6
54		Inside Central Nursery	100	N-19-51-16.3	E83-43-12.9
55		RO Residence, Daringbadi	200	N-19-54-24.5	E-84-07-32.4
56		<b>Total</b>	<b>500</b>		
57	Boudh	Compound wall of RO Res	40	N20 49 44.894	E83 55 31.842
58		Compound wall of Gundulia Section office	85	N20 42 10.2	E84 04 22.5
59		Compound wall of Sagada Section office	90	N20 41 11.1	E84 01 57.3
60		Compound wall of Kanpa Beat Qtr.	85	N20 39 11.328	E84 00 59.490
61		Compound Wall at FG Qtr. At Badjarmunda , .	100	N 20 39 59.3	E 083 49 40.1
62		Compound wall at Balamtumba.	100	N 20 37 46.33	E 083 53 09.19
63		<b>Total</b>	<b>500</b>		
64	Gh.South	Forester & Forest Guard Qtr. Sheragada in Aska Range	120	N 19 30 8.76	E 84 36 9.15
65		Mareipalli FG Qtr. in Buguda Range	40	N 19 47 10.5	E 84 50 25.7
66		Hirapalli FG Qtr. in Buguda Range	130	N 19 53 08.00	E 84 54 14.0
67		Nuapalli FG Qtr. in Buguda Range	170	N 19 51 8.77	E 84 55 45.03
68		Thanapalli FG Qtr. in Buguda Range	30	N 19 84 36.5	E 84 74 45.7
69		Range Officer's campus in Buguda Range	30	N 19 48 33.34	E 84 47 23.9
70		DFO Residence	180	N 19 55 58.45	E 84 34 53.62
71		<b>Total</b>	<b>700</b>		
72	<b>Total-</b>	<b>2400</b>			
<b>Sambalpur Circle</b>					
73	Bargarh	Bargarh Division Office	200	N-21-20-33.7	E-83-37-31.2
74		Fr. Qr. Turum	50	N-21-06-45.5	E-83-50 23.2
75		FG Qr. Badapali	50	N-21-34-20.6	E-83-29-25.8
76		Sargunapali	50	N-21-13-24.1	E-83-15-48.5
77		Fr. Qr. Gaiselet	50	N 20 57 38.3	E 83 18 51.6
78		FG Qr. Bhubaneswarpur	50	N20° 57' 21.9"	E82° 43' 04.5"
79		Range Office Campus	50	N20 55 37.5	E082 49 15.8
80		<b>Total</b>	<b>500</b>		
81	Bamara WL	Hatipada Forest colony(Bamra)	400	22-3-13.81	84-17-21.38
82		Checkgate at Pitabalikhaman	93	21-18-34.11	84-28-40.84
83		FG Quarter Mahulpali	7	21-51-47.31	84-24-39.3
84	<b>Total</b>	<b>500</b>			
85	Hirakhud WL	Division Office	100		
86		Sambalpur Wildlife Range	50		
87		Kamgaon Wildlife Range	50		
88		Lakhanpur Wildlife Range	50		
89		<b>250</b>			
90	<b>Total-</b>	<b>1250</b>			
<b>Rourkela Circle</b>					
91	Sundargarh	Itma Forester Qtr.	200	N 22 09 22.4	E 84 13 55.0
92		Tudalaga FG Qtr.	140	N 22 11 36.20	E 84 20 31.9
93		Range Office campus, Kanika	60	N 21 52 45.8	E 83 44 21.6
94			<b>400</b>		

95	Rourkela	Bimlagarh Beat Quarter	80	N21 58 16.0	E85 00 23.0
96		Barsuan Beat Quarter	60	N22 14 14.5	E85 01 21.7
97		Raiboga Section	60	N22 23 19.0	E84 36 33.0
98			<b>200</b>		
99	Bonai	Mahuldihi Section	100	N21 58 35.9	E84 30 45.8
100		Bhaludunguri Section	125	N21 51 11.0	E84 50 00.9
101		Seizure Yerd at Gurundia	175	N21 50 58.6	E84 47 06.4
102		Kundheidiha Section	100	N21 48 15.6	E84 41 30.3
103		<b>Total</b>	<b>500</b>		
104	Keonjhar	Bamebari Section- 300 mtr	300	21 52 5.03	85 24 14.6
105		Ukhunda Section- 131 mtr	110	21 48 48.5	85 41 10
106		Kanjipani FG Qtr- 150 mtr	140	21 29 21	85 28 14
107			<b>Total</b>	<b>550</b>	
108	<b>Total-</b>		<b>1650</b>		
<b>Baripada Circle</b>					
109	Karanja	Noda Section Office	100	21-16-44.0	86-11-18.2
110		Balidiha Beat Office	100	21-20-24.9	86-12-21.9
111		Ghosda Beat Office	70	21-49-44.1	85-49-32.5
112		Near Purneswar Temple, Forest Colony	50	21-45-43.3	85-58-21.2
113		Dari Section Office	80	21-51-31.0	85-57-29.3
114		Tangabilla Section Office	100	21-54-17.5	86-02-29.9
115		<b>Total-</b>	<b>500</b>		
116	Rairangpur	Gorumahisani Section Office, Rairangpur	300	22-20-03.6	86-16-35.0
117		Bijatata Section Office, Rairangpur	200	22-12-29.8	86-17-56.9
118			<b>Total</b>	<b>500</b>	
119	Balasore WL	Plot No.310/2352 under Khata No.401 of Mouza-Padhuanpada, Unit-8, Balasore	<b>300</b>	21.491239	86.924964
120	Similipal North WL	Talabandha Range Office	160	22 01 42.0	86 20 36.2
121		Takhumunda Range Office	180	21 31 21.9	86 09 35.4
122		Baghalata Section Office	180	21 43 59.0	86 05 18.9
123		Budhigaon Section Office	180	21 45 55.2	86 10 00.9
124			<b>Total</b>	<b>700</b>	
125	<b>Total-</b>		<b>2000</b>		
<b>Bhawanipatna Circle</b>					
126	Kalahandi(N)	M.Rampur Range Office	110	N20 11 18.0	E83 30 30.0
127		Manikera FG Quarter	60	N20 16 08.9	E83 37 34.9
128		Madanpur FG Quarter	55	N20 18 36.0	E83 32 00.0
129		Afforestation Building, Kesinga	100	N20 14 51.6	E83 15 22.8
130		Kashrupada Forester Quarter	70	N20 11 20.3	E83 13 15.9
131		Narla Forester Quarter	20	N20 03 29.3	E83 22 53.9
132		Golamunda Forester Quarter	85	N20 03 52.2	E82 47 36.2
133			<b>Total</b>	<b>500</b>	
134	Kalahandi(S)	FG quarter,Balagaon Beat	50	N 19 4002.9	E82 52 08.4
135		FG quarter & Fr quarter	75	N 19 35 45.2	E82 53 43.8
136		FG quarter Singari	75	N 19 34 21.8	E 82 53 02.9
137		Mahulpatna FG quarter	150	N 19 2434.3	E82 52 18.1
138		Mukhiguda FG Quarter	100	N 19 26 24.1	E 82 50 52.3
139		Kukudi FG quarter	50	19.518141	82.686988
140			<b>Total</b>	<b>500</b>	
141	Bolangir	Mahakhand Section Campus	200	N20 22 58.8	E82 47 19.2
142		Dholmandal Beat House	100	N20 30 10.1	E82 44 00.8
143		Dangabanji Beat	100	N20 21 53.3	E83 04 20.9
144		Saintala	30	N20 26 41.38	E83 21 38.23
145		Banjibahali	70	N20 32 34.69	E83 20 41.64
146			<b>Total</b>	<b>500</b>	



147	<b>Total-</b>		<b>1500</b>		
<b>Koraput Circle</b>					
148	Rayagada	Chandragiri FG Qtr Kasipur	40	19-23-83.79	83-59-10.39
149		Jarka FG Qtr. Kasipur	100	19-23-23.26	83-16-03.22
150		Range Office Kasipur	60	19-21-24.9	83-06-51.36
151		Sunger FR Qtr. Kasipur	150	19-27-55.57	83-06-06.56
152		Sajja FG Qtr. At Majhiguda	40	19-26-22.1	83-19-33.2
153		Anguru FG Qtr. At Antamada	30	19-17-49.6	83-22-52.7
154		Serigumma FG at Antamada	30	19-17-49.6	83-22-52.7
155		Rayagada	50		
156		<b>Total</b>	<b>500</b>		
157		Koraput	Old Central Nusery	100	
158	Almunda Fr. & FG Qtr.		200		
159	Machkund Fr & FG Qtrs.		200		
160	<b>Total</b>		<b>500</b>		
161	Jeypore	Ramgiri Fr. Qtr.	70	18.77559	82.24646
162		Jeypore Forest Colony	150	18.87367	82.57049
163		Fr. & Fg. Qtr. At Jeypore	130	18.86348	82.57987
164		FG Qtr. Madla street	50	18.84989	82.56662
165		Kotpad Range Office Campus	45	19.1425	82.32778
166		Range officer Residence	55	19.14139	82.33611
167		<b>Total</b>	<b>500</b>		
168	Nowrangpur	Range Office Campus	90	N19.71769	E82.36967
169		Papadahandi MINI PN	50	N19.32993	E82.50432
170		Compound Wall 250 Rmt at CN Kosagumuda	100	N19.274035	E82.244217
171		Compund wall - 100 Rmt At Range Office Campus	80	N19.666252	E82.204017
172		Compund wall - 50 Rmt At FRH Campus, Umerkote	20	N19.660400	E82.210043
173		Awarness Center Jharigam	100	N19.71428	E82.36708
174		Compund wall -60 Rmt At Forest Colony Raighar	60	N19.45.21.6	E82.29 22.8
175		<b>Total:-</b>	<b>500</b>		
176	Malkangiri	F.G. Qtr. Challanguda	90		
177		FG Qtr, Nayakguda	50		
178		Range Res.	100		
179		Fr. Qr. Kurty	80		
180		Fr. Qr. MV-88	80		
181		Fr. Quarter	100		
182		<b>TOTAL</b>	<b>500</b>		
183	<b>Total-</b>		<b>2500</b>		
<b>Grand Total-</b>			<b>15000</b>		

<b>(XI) Tube Well</b>					
SI No	Name of the Division	Location	Tubewell @ Rs.1.00 lakhs/one	Geo-coordinates	
				Latitude	longitude
<b>Angul Circle</b>					
1	Angul	Tube well at Jarapada Range Office Campus	1	N-20.44331	E-85.03465
2		Tube Well at Badakathia Watch tower	1	N-20.39197	E-85.0434
3		Kanja	1	N-20.38559	E-85.06501

4		Tube well at Jarapada Range Office Campus	1	N-20.877649	E-84.882219
5		Tube Well at Badakathia Watch tower	1	N-20.648777	E-85.11347222
6		Kanja	1	N-20.87772	E-84.88225
7		Patrapada	1	N-21.10628	E-84.76682
8		Chhendipada	1	N-21.07698	E-84.87469
9		Kulsar	1	N-20.737656	E-84.926335
10		Simlipal	1	21.14061111	84.74336111
11		Raijharan	1	20.96030556	84.97088889
12		Kamsala	1	21.14544444	84.95052778
13		Range Office Campus, Talcher	1	N-20.94705555	E-85.21638888
14		Balarampur C/N	1	N-21.10027777	E-85.03622222
15		<b>Total</b>	<b>11</b>		
16	Athmallik	<b>Bamur Range</b> FG Quarter Bhangamunda	1	21.02759	84.46881
17		<b>Dhandatopa Range</b> Pokanda F.G. Qtr.	1	20 48 84.05	84 44 51.87
18		<b>Dhandatopa Range</b> FRH Korab	1	20 44 31.0	84 40 35.9
19		<b>Dhandatopa Range</b> Watch tower HRF Compt. No. 22	1	20 41 31.33	84 42 27.7
20		<b>Handapa Range</b> F.G. Qtr. Kadalimunda	1	20 55 26.1	84 45 31.0
21		<b>Handapa Range</b> F.G. Qtr. Ichhapur	1	20 57 28.6	84 44 27.1
22		<b>Handapa Range</b> F.G. Qtr. Gundurijharan	1	21 02 07.6	84 44 06.7
23		<b>Handapa Range</b> Takaba	1	21 00 16.1	84 38 15.4
24			<b>Total-</b>	<b>8</b>	
25	Dhenkanal	Bhuban Section Office	1	N-200 52' 59.1"	E-85049' 59.9"
26		Mathakargola Forest Guard Quarter	1	N-200 53' 45.3"	E-85040' 51.0"
27		Newly constructed FG Qtr. at Kanehipal	1	N-20°57'16.8"	E- 085°41'05.14"
28		Newly constructed FG Qtr. at Kampulei	1	N-21°02'55.9"	E- 085°41'59.3"
29		Newly constructed Fr. Rest house. at Jiridamali	1	N-20°55'58.8"	E- 085°32'44.3"
30		<b>Total-</b>	<b>5</b>		
31	<b>Total-</b>		<b>24</b>		
<b>Bhubaneswar Circle</b>					
32	Nayagarh	Range Office, Odagaon	1	N - 20 01 01.70	E - 84 58 51.80
33		Chemedi Beat House	1	N - 19 57 29.30	E - 84 58 19.10
34		Sakeri Beat house	1	N - 20 03 32.40	E - 84 59 32.40
35		Phasipalli Beat house	1	N - 20 03 37.40	E - 85 02 46.60
36		Ambapada Beat house	1	N - 20 05 32.20	E - 84 56 45.90
37		Dholamaska beat house	1	N - 20 03 54.20	E - 84 56 52.90
38		Sakini Section office campus	1	N - 20.324534	E - 84.883184
39		Banigochha Section house campus	1	N - 20.406919	E - 84.583719
40		Range Office campus	1	N - 20 15 58.50	E - 85 10 26.60
41		Gohiriapada beat house	1	N - 20 16 49.86	E - 85 13 50.44
42		Marada Beat house	1	N - 20 19 48.92	E - 85 15 04.28
43		Khandapada Beat House	1	N - 20 15 29.42	E - 85 10 40.86
44		Analapata Beat house	1	N - 20 21 03.80	E - 85 03 00.20
45		Banapur beat house	1	N - 20 21 41.76	E - 85 10 06.96
46		Rakesia beat house	1	N - 20 20 17.03	E - 85 08 20.80

47		<b>Total:</b>	<b>15</b>			
<b>Berhampur Circle</b>						
48	Phulbani	FG Qr,Panaspadar	1	20 29 20.3	84 15 37.9	
49		FG Qr,Chakapad	1	20 17 38.3	84 29 04.7	
50		<b>Total-</b>	<b>2</b>			
51	Boudh	Tube Well at Fr. Qtr. Purunakatak	1	N20 37 33.2	E84 25 30.1	
52		Tube Well at FG Qtr. Sakusinga	1	N20 41 22.6	E84 29 41.8	
53		Tube Well at Fr. Qtr. Kusanga	1	N20 35 18.7	E84 39 41.9	
54		Tubewell at Badjharmunda	1	N 20 39 59.3	E 083 49 40.1	
55		Tubewell at Balamtumba	1	N 20 37 46.33	E 083 53 09.19	
56		Tube well at FG at N.Prasad	1	N 20 30 09.4	E 83 46 25.5	
57		<b>Total-</b>	<b>6</b>			
58	Gh.South	Thanapalli in Buguda Range	1	N 19 84 36.5	E 84 74 45.7	
59	<b>Total-</b>		<b>9</b>			
<b>Sambalpur Circle</b>						
60	Bargarh	Papanga FG Qr	1	N 21 21 59.32	E 83 48 55.22	
61		Jharmunda FG Qr	1	N21 27 17.4	E 83 21 35.8	
62		Badapali FG Qr	1	N21 31 31.3	E 83 30 6.2	
63		Gangei FG Qr	1	N21 34 21.1	E 83 29 26.8	
64		Jampali FG Qr	1	N21 30 50.8	E 83 23 49.7	
65		Dunguri FR Qr	1	N21 41 25.8	E 83 33 48.6	
66		Kuliary FG Qr.	1	N 20 55 53.14	E 83 11 16.52	
67		Sativata Fr. Qr	1	N 21 01 49.9	E 83 03 01.6	
68		Borasambar Fr. Qr	1	N20 57 29.8	E082 56 42.6	
69		Jamseth Fr. Qr	1	N20 49 17.3	E082 43 33.2	
70		<b>Total-</b>	<b>10</b>			
71		Bamara WL	Fr Qtr,Mahulpali	1	21-51-46.14	84-24-40.56
72			FG Qtr,Babunikimal	1	21-52-1.8	84-27-48.90
73	FG Qtr, Katrapali		1	21-46-37.91	84-22-6.6	
74	FG Qtr, Bankey		1	21-48-34.22	84-28-23.76	
75	Fr. Qtr, Kusumi		1	21-46-4.24	84-32-5.28	
76	FG Qtr, Gardega		1	22-05-2018	84-25-55	
77	FG Qtr, Sankobahal		1	22-4-52.55	84-23-7.2	
78	FG Qtr,Kesaibahal		1	21-54-51.86	84-23-25.95	
79	Fr. Qtr, Niktimal		1	21-58-22.51	84-23-29.19	
80	FG Qtr, Podadihi		1	21-27-35.8	84-22-22.23	
81	FG Qtr, Kudankhol		1	21-27-1.5	84-14-58.52	
82	FG Qtr, Amlang		1	21-30-49.2	84-20-30.62	
83	<b>Total-</b>		<b>12</b>			
84	<b>Total-</b>		<b>22</b>			
<b>Rourkela Circle</b>						
85	Sundargarh	Itma	1	N-22-09-22.4	E-84-13-55.0	
86		Tudalaga	1	N-22-11-36.28	E-84-20-31.9	
87		<b>Total-</b>	<b>2</b>			
88	Rourkela	Katepur FG Qtr.	1	N 22 24 27 29	E 85 00 49.40	
89		Bisra Range Office	1	N 22 14 55.85	E84 59 51.49	
90		<b>Total-</b>	<b>2</b>			
91	Bonai	Kunjar	1	N21 53 38.7	E84 37 11.5	
92	Keonjhar	Kanjipani FG Qtr	1	21 29 21	85 28 14	
93		Taramakanta FG Qtr	1	21 35 24	85 19 18	
94		Suakati Fr Qtr	1	21 37 47.5	85 33 7	
95		Gonasika FG quarter	1	21 29 33	85 31 28	
96		Suakati FG quarter	1	21 36 6	85 32 3	
97		Raghunathpur FG Qtr	1	21 36 3.1	85 43 41.3	
98		Balabhadrapur FG Qtr	1	21 30 14.1	85 40 48.1	
99		Gopalpur East FG qtr	1	21 32 14.3	85 43 43.4	

100		Janghira W FG Qtr	1	21 25 45.84	85 37 11.93
101		<b>Total:</b>	<b>9</b>		
102	<b>Total-</b>		<b>14</b>		
<b>Baripada Circle</b>					
103	Karanjia	Noda Section Office	1	21-16-44.2	86-11-18.2
104		Baliposi	1	21-33-26.7	86-04-10.1
105		<b>Total:</b>	<b>2</b>		
106	Rairangpur	Kuceibudhi P.N.	1	22-16-31.6	86-10-35.8
107		Rairangpur	1	22-15-56.7	86-10-28.7
108		Chadeipahadi (Bisoi)	1		
109		Sargoda	1	22-15-31.70	86-23-14.5
110		Bisoi	1	22-15-15.4	86-27-10.8
111		<b>Total-</b>	<b>5</b>		
112	STR	Rangamatia	1	22-04-49.6	86-28-13.4
113		Jaldiha	1	22-02-42.9	86-29-04.6
114		Baghanta	1	21-34-55.2	86-24-59.4
115		Hudisahi	1	21-34-20.7	86-25-01.2
116			<b>Total-</b>	<b>4</b>	
117	Similipal North WL	Phulbari Beat-I	1	21 54 07.7	86 16 43.1
118		Phulbari Beat-II	1	21 52 54.5	86 18 37.2
119		Jamuani Beat	1	21 57 21.5	86 13 16.6
120		Mandaljhari	1	21 34 26.0	86 15 15.2
121		Kirkichipal	1	21 31 58.5	86 15 41.9
122		Kalaitumba	1	21 52 12.8	86 06 17.6
123		Sanranibhol	1	21 40 47.2	86 06 17.6
124		Rajpal	1	22 55 45.8	86 14 58.1
125			<b>Total-</b>	<b>8</b>	
126	<b>Total-</b>		<b>19</b>		
<b>Bhawanipatna Circle</b>					
127	Kalahandi( N)	Manikera FG Quarter	1	N20 16 08.9	E83 37 34.9
128		Narla Forester Quarter	1	N20 03 29.3	E83 22 53.9
129		Putiachura FG Quarter	1	N19 57 50.1	E82 56 13.3
130		Dhamanpur FG Quarter	1	N20 00 06.6	E82 51 27.4
131		Gargab FG Quarter	1	N20 02 31.5	E83 01 43.0
132		Kegaon FG Quarter	1	N20 05 57.4	E82 54 14.4
133		Nuagaon FG Quarter	1	N20 04 11.2	E82 56 18.5
134		Balipati FG Quarter	1	N20 06 59.8	E83 00 51.6
135		Tahansir Central Nursery	1	N20 12 07.3	E83 15 45.3
136		Burat FG Quarter	1	N20 01 20.4	E83 20 02.9
137		Kutrukhamar FG Quarter	1	N19 54 08.2	E83 05 33.0
138		Turpi FG Quarter	1	N20 02 53.8	E83 04 09.2
139		<b>Total-</b>	<b>12</b>		
140	Kalahandi (S)	FG Qtr,Banamalipur Beat	<b>1</b>	N 19 51 53.2	E 82 55 53.0
141	Bolangir	Larambha	1	N20 50 13.7	E83 10 36.6
142		Dumerjore	1	N20 32 37.54	E83 16 06.46
143		Dabjore	1	N20 31 07.08	E83 14.26 97
144		Banjibahali	1	N20 30 45.25	E83 25 30.12
145		Dhunkeda	1	N20 26 58.41	E83 19 00.28
146		Runimahul	1	N20 30 11.66	E83 23 22.6
147			<b>Total-</b>	<b>6</b>	
148	<b>Total-</b>		<b>19</b>		
<b>Koraput Circle</b>					
149	Rayagada	Anguru FG Qtr	<b>1</b>	19-17-49.6	83-22-52.7
150	Koraput	Kakrigumma Forest Qtr	1	N18.925318	E83.015291
151		Laxmipur	1	N18.990588	E83.11647
152		Narayanpatna	2	N18.869270	E83.18600

153		Semiliguda	1	N18.5024	E83.0504
154		<b>Total:-</b>	<b>5</b>		
155	Nowrangpur	Patramunda CN (Charakavana)	1	N19.27291	E82.53717
156		FG quarter Kenduguda	1	N19.56103	E82.40406
157		FG quarter Singisari	1	N19.503953	E82.164571
158		<b>Total:-</b>	<b>3</b>		
159	Malkangiri	Chittrakonda	1	N 18. 10610	E 82.10250
160	<b>Circle Total-</b>		<b>10</b>		
	<b>Grand Total-</b>		<b>132</b>		

<b>(Vili) Maintenance of UG-Permanent / Mega Nursery@3.98 Lakh per Nursery</b>						
SI No	Name of the Division	Location	UG-Permanent	Mega Nursery	Geo-coordinates	
					Latitude	Longitude
<b>Angul Circle</b>						
1	Angul	Kulasingha		1	20-36-58.29	83-21-41.67
2	Athmallik	Badrohila	1		20-53-54.18	84-24-52.71
3	Dhankanal	Kamakhyanagar		1	20-55-22.30	85-3-21.83
4	Athagarh	Boudabankahandi	1		20-29-44.2	85-39-38.7
<b>Bhubaneswar Circle</b>						
5	Khordha-I	Patharabandh	1		19-55-25	85-24-19
6	Khordha-II	Jariput	1		08-20-19.50	85-34-24
7	Nayagarh	Sampada		1	19-56-56.2	84-59-28.8
8	Puri WL	Tavagorala		1	19-53-34.21	86-8-6.98
<b>Berhampur Circle</b>						
9	Berhampur	Pananuagan	1		19-18-35.26	84-47-43.72
10	Boudh	Bamanda	1		20-46-29.77	84-17-56.25
11	Balliguda	Nuashai	1	-	20-10-44.31	83-54-54.0
12	Gh. North	Lalsing	1		19-56-56.26	84-34-33.36
13	Gh. South	Gadagada		1	19-31-46.31	84-35-09.7
14	Gh. South	khariguda		1	19-56-16.3	84-52-09.7
15	Parlakhemundi	Parsurampur	1		19-10-08.5	84-09-56.3
<b>Sambalpur Circle</b>						
16	Jharsuguda	Chandinimal		1	21-27-21.33	82-72-61.82
17	Sambalpur	Badasinghiri		1	21-30-22.36	83-55-26.42
18	Bargarh	Barhaguda	1		21-21-8.03	83-41-17.34
19	Rairakhol	Penthbahal	1		21-39-37.5	83-34-01.7
<b>Rourkela Circle</b>						
20	Sundargarh	Ujalpur	1		22-10-22.1	84-13-40.2
21	Rourkela	Laing		1	22-14-48.0	84-30-58.2
22	Keonjhar	Padampur		1	21-36-6.8	85-32-13.0
23	Bonai	Dhatkiposh	1		21-51-17.2	84-47-24.2
24	Deogarh	Kudajharan	1		21.35-19.2	84-53-17.7
<b>Baripada Circle</b>						
25	Baripada	Giajodi		1	21-54-13.1	86-48-6.8
26	Rairangpur	Kaduani- Dumadihi	1		22-22-50.6	86-04-50.2
27	Karanjia	Karanjia-Banasahi	1		21-28-58.2	86-07-20.9
<b>Bhawanipatna Circle</b>						
28	Kalahandi North	Kuturkhai		1	20-16-18.2	83-37-44.9
29	Kalahandi South	Jaring	1		19-53-28.00	83.00.39.0
30	Subarnapur	Chhancanchadunguri	1		20-51-42.44	84-01-11.7
31	Bolangir	Kadalimunda		1	20-40-46.6	83-27-06.6
32	Khariar	Behela	1		20-14-11.95	82-45-44.41

<b>Koraput Circle</b>						
33	Koraput	Kalyanjhankar	1		18-82-24.4	82-68-36.7
34	Rayagada	Jhiliguda	1		19-23-57.7	83-14-16.3
35	Nabarangpur	Patromunda	1		19-49-81	82.4116
36	Malkangiri	Jaganathpalli		1	18-20-36.91	81-52-57.10
37	Jeypore	Jyantigiri		1	19-13-42	82.32671
<b>Development Circle</b>						
38	Silva bhubaneswar	Silvi, Bhubaneswar	1		20-16-33	85-46-31
39	Silva Rayagada	Bolangir reserch station	1		20-41-15.47	83-28-12.39
<b>TOTAL</b>			<b>24</b>	<b>15</b>		