

ABSTRACT - Annexure - I

COMPENSATORY AFFORESTATION SCHEME IN 1388.318 Ha PERTAINS TO GANGARAM RANGE IN LIEU OF DIVERSION OF 694.159 Ha FOREST LAND IN CHINTAGUDA R.F OF GANGARAM RANGE OF GUDURU (W.L.M.) DIVISION FOR KOYAGUDEM OCP - III MINE UNDER SECTION 2 OF F.C.ACT. IN FAVOUR OF M/S. SINGARENI COLLIERIES COMPANY LIMITED IN GUDURU (W.L.M.) DIVISION

SI No	Component	2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		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.	Phy	Fin.
1	2	3	5	6	8	9	11	12	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	40
I(a)	Protection Measures	0	0.000	60	107.738	77	56.227	17	7.096	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	154	171.061
I(b)	Fire protection & Fire tracing	0	0.000	12000	0.983	24000	1.882	24000	2.070	24000	2.277	24000	2.505	24000	2.755	24000	3.031	24000	3.334	24000	3.667	24000	4.034	24000	4.437	252000	30.9743
	S.Total		0.000		108.722		58.109		9.165		2.277		2.505		2.755		3.031		3.334		3.667		4.034		4.437		202.035
2	Afforestation	0	9.561	0	366.020	0	809.213	0	1047.649	0	806.481	0	432.637	0	363.967	0	400.363	0	440.400	0	484.439	0	352.469	0	174.584	0	5687.784
3	Soil and Mositure Conservation Plan	0	0.000	0	46.120	0	46.120	0	24.120	0	2.120	0	2.120	0	2.120	0	2.120	0	2.120	0	0.000	0	0.000	0	0.000	0	126.960
4	Wildlife Mitigation measures:	0	0.000	0	77.500	0	77.000	0	75.000	0	75.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	304.500
5	Development of Bio-Diversity Oxygen Park	0	0.000	0	505.000	0	425.000	0	100.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	1030.000
6	Nursery infrastructure:	0	20.000	0	16.950	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	1.000	0	0.000	0	0.000	0	0.000	0	37.950
	S. Total (I to III)		29.561		1120.312		1415.44		1255.935		885.878		437.262		368.842		405.514		446.853		488.107		356.503		179.022		7389.229
7	Awareness Programmes	0	0.800	0	0.880	0	0.968	0	1.065	0	1.171	0	1.288	0	1.417	0	1.559	0	1.715	0	1.886	0	2.075	0	2.282	0	17.107
8	Monitoring of Wildlife Improvement	1	7.000	1	8.000	1	10.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	25.000
9	Adminstrative cost:	0	1.478	0	56.016	0	70.772	0	62.797	0	44.294	0	21.863	0	18.442	0	20.276	0	22.343	0	24.405	0	17.825	0	8.951	0	369.461
	G.Total		38.839		1185.207		1497.181		1319.796		931.344		460.413		388.701		427.349		470.911		514.398		376.403		190.255		7800.80
10	Conservation of wild life sensitive Areas	LS																									1000.00
	Grand Total::																										8800.80


Forest Range Officer
Gangaram


Forest Divisional Officer,
(FAC) Guduru (WLM)

ANNEXURE - II

COMPENSATORY AFFORESTATION SCHEME IN 1388.318 Ha PERTAINS TO GANGARAM RANGE IN LIEU OF DIVERSTION OF 694.159 Ha FOREST LAND IN CHINTAGUDA R.F. OF GANGARAM RANGE OF GUDURU (W.L.M.) DIVISION FOR KOYAGUDEM OCP - III MINE UNDER SECTION 2 OF F.C.ACT. IN FAVOUR OF M/S. SINGARENI COLLIERIES COMPANY LIMITED IN

COMPENSATORY AFFORESTATION SCHEME IN 1388.318 Ha PERTAINS TO GANGARAM RANGE IN LTEU OF DIVERSION OF 694.159 Ha FOREST LAND IN CHINTAGUDA R.F. OF GANGARAM RANGE OF GUDURU (W.L.M.) DIVISION FOR KOYAGUDEH OCP - III MINE UNDER SECTION 2 OF F.C.ACT. IN FAVOUR OF M/S. SINGARENI COLLIERIES COMPANY LIMITED IN																																										
Sl No	Component	Unit rate/unit cost as per the FSR 2018-19 (Rs. In lakhs)	Unit	2018-19			2019-20			2020-21			2021-22			2022-23			2023-24			2024-25			2025-26			2026-27			2027-28			2028-29			2029-30			Total		
				Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Rate	Fin.	Phy.	Fin.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
I(a) PROTECTION MEASURES:																																										
1	Digging of trench work around the CA area	1.484	Kms	0.0	1.63	0.00	60.00	1.80	107.74	16.81	1.98	33.20		2.17												0			0				0			0			76.81	140.942		
2	Stabilization of trench work	0.288	Kms	0.0	0.32	0.00	0.00	0.35	0.00	60.00	0.38	23.02	16.81	0.42	7.10																									76.81	30.119	
I(b) FIRE PROTECTION & FIRE TRACING:																																										
1	Creation of Fire lines 5 mts wide per Ha 100mt running meter length (1388.318 x 100 = 138831.8)	0.00745	Rmt	0	0.00745	0.00	12000	0.00820	0.98	12000	0.01	1.08	12000	0.00992	1.19	12000	0.01091	1.31	12000	0.01200	1.44	12000	0.01320	1.58	12000	0.01452	1.74	12000	0.01597	1.92	12000	0.01757	2.11	12000	0.01932	2.32	12000	0.02126	2.55	132000	18.224	
2	Maintenance of Firelines	0.00551	Rmt	0	0.00551	0.00	0	0.00606	0.00	12000	0.01	0.80	12000	0.00733	0.8	12000	0.00807	0.97	12000	0.00887	1.06	12000	0.00976	1.17	12000	0.01074	1.29	12000	0.01181	1.42	12000	0.01299	1.56	12000	0.01429	1.71	12000	0.01572	1.89	120000	-2.751	
S.Total-I																																										
II AFFORESTATION:																																										
SEMI MECHANICAL METHOD																																										
A Raising of Nurseries																																										
1	Raising of Bamboo Primary and Bag plants Nursery (6"x12" size bags/1100 bags / bed (400+20%)+10%=520 Nos/Ha + 25% casualty replacements = 620 Nos/Ha- 0.60 beds / 1 ha) 100 Ha = 60 Beds	0.145	Bed	60	0.16	9.56	0	0.18	0.00	0	0.19	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	9.561	
2	Raising of Misc. seedlings (like., NTSH species) Primary and Bag plants Nursery (6"x12" size bags/1100 bags / bed - (1111+20%)+10%=1430 Nos + 25% casualty replacements = 1708 Nos/Ha- 1.52 beds / 1 ha) 100 Ha = 152 Beds	0.145	Bed	0	0.16	0.00	612	0.18	107.27	612	0.19	118.00	612	0.21	129.80	135	0.23	31.52	0	0.26	0.00	0	0.28	0.00	0	0.31	0.00	0	0.34	0.00	0	0.38	0.00	0	0.41	0.00	0	0.45	0.00	1971	386.594	
Sub-total																																										
B Maintenance of Nurseries																																										
1	Maintenance of Bamboo seedlings	0.073	Bed	0	0.081	0.00	60	0.089	5.31	60	0.10	5.84	0	0.107	0.00																										120	11.159
2	Maintenance of Misc. seedlings (like., NTSH species)	0.073	Bed	0	0.081	0.00	0	0.089	0.00	612	0.10	59.62	612	0.107	65.58	612	0.118	72.14																							1836	197.337
Sub-total																																										
ADVANCE OPERATIONS																																										
1	Advance site preparation works for Raising of Bamboo Plantation. At an escapement of 5mx5m (400 plants per ha) (100.00 Ha)	0.419	Ha	0	0.46	0.00	100	0.51	50.69	0	0.56	0.00	0	0.61	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50.687
2	Advance site preparation works for Raising of NTSH plantation at an escapement of 3mx2m (1666 plants per ha) under SMM (120.00 Ha)	0.419	Ha	0	0.46	0.00	400	0.51	202.75	488.318	0.56	272.26	400	0.61	245.32	0.000	0.67	0.00	0	0.74	0.00	0	0.82	0.00	0	0.90	0.00	0	0.99	0.00	0	1.09	0.00	0	1.20	0.00	0	1.31	0.00	1288	720.337	
Sub-total																																										
Raising of Plantations																																										
1	Raising of Bamboo Plantation at an escapement of 5mx5m (400 plants per ha) (100 Ha)	0.305	Ha	0	0.335	0	0	0.368	0.00	100	0.41	40.53	0	0.446	0.00	0	0.490	0.00	0	0.539	0.00	0	0.593	0.00	0	0.653	0.00	0	0.718	0.00	0	0.790	0.00	0	0.869	0.00	0	0.956	0.00	100	40.530	
2	Raising of NTSH plantation at an escapement of 3mx3m (1111 plants per ha) (1288.318 Ha) under SMM	0.588	Ha	0	0.647	0	0	0.711	0.00	400	0.78	312.96	488.318	0.861	420.26	400	0.947	378.68	0.000	1.041	0.00	0	1.145	0.00	0	1.260	0.00	0	1.386	0.00	0	1.525	0.00	0	1.677	0.00	0	1.845	0.00	1288.318	1111.891	
Sub-total																																										
1st year maintenance																																										
1	Maintenance of Bamboo Plantation at an escapement of 5mx5m (400 plants per ha) (100 Ha)	0.144	Ha	0	0.159	0	0	0.175	0.00	0	0.19	0.00	100	0.211	21.14	0	0.233	0.00	0	0.256	0.00	0	0.281	0.00	0	0.310	0.00	0	0.341	0.00	0	0.375	0.00	0	0.412	0.00	0	0.453	0.00	100	21.143	
2	Raising of NTSH plantation at an escapement of 3mx3m (1111 plants per ha) (1288.318 Ha) under SMM	0.283	Ha	0	0.311	0	0	0.342	0.00	0	0.38	0.00	400	0.414	165.54	488.318	0.455	222.30	400	0.501	200.31	0.000	0.551	0.00	0	0.606	0.00	0	0.667	0.00	0	0.733	0.00	0	0.806	0.00	0	0.887	0.00	1288	588.153	
Sub-total																																										
2nd year maintenance																																										
1	Maintenance of Bamboo Plantation at an escapement of 5mx5m (400 plants per ha) (100 Ha)	0.076	Ha	0	0.08	0	0	0.09	0	0	0.10	0	0	0.11	0.00	100	0.12	12.25	0	0.135	0.00	0	0.148	0.00	0	0.163	0.00	0	0.179	0.00	0	0.197	0.00	0	0.217	0.00	0	0.239	0.00	100	12.250	
2	Raising of NTSH plantation at an escapement of 3mx3m (1111 plants per ha) (1288.318 Ha) under SMM	0.139	Ha	0	0.15	0	0	0.17	0	0	0.19	0	0	0.20	0.00	400	0.22	89.59	488.318	0.25	120.31	400	0.27	108.40	0.000	0.30	0.00	0	0.33	0.00	0	0.36	0.00	0	0.40	0.00	0	0.44	0.00	1288	318.300	
Sub-total																																										
3rd year maintenance																																										
1	Maintenance of Bamboo Plantation at an escapement of 5mx5m (400 plants per ha) (100 Ha)	0.076	Ha	0	0.08	0	0	0.09	0	0	0.10	0	0	0.11	0.00	0	0.12	0.00	100	0.13	13.47	0	0.15	0.00	0	0.16	0.00	0	0.18	0.00	0	0.20	0.00	0	0.22	0.00	0	0.24	0.00	100	13.474	
2	Raising of NTSH plantation at an escapement of 3mx3m (1111 plants per ha) (1288.318 Ha) under SMM	0.139	Ha	0	0.15	0	0	0.17	0	0	0.19	0	0	0.20	0.00	0	0.22	0.00	400	0.25	98.55	488.318	0.27	132.34	400	0.30	119.24	0.000	0.33	0.00	0	0.36	0.00	0	0.40	0.00	0	0.44	0.00	1288	350.130	
Sub-total																																										
4th year maintenance																																										
1	Maintenance of Bamboo Plantation at an escapement of 5mx5m (400 plants per ha) (100 Ha)	0.076	Ha	0	0.08	0	0	0.09	0	0	0.10	0	0	0.11	0.00	0	0.12	0.00	0	0.13	0.00	100	0.15	14.82	0	0.16	0.00	0	0.179	0.00	0	0.197	0.00	0	0.217	0.00	0	0.239	0.00	100	14.822	
2	Raising of NTSH plantation at an escapement of 3mx3m (1111 plants per ha) (1288.318 Ha) under SMM	0.139	Ha	0	0.15	0	0	0.17	0	0	0.19	0	0	0.20	0.00	0	0.22	0.00	0	0.25	0.00	400	0.27	108.40	488.318	0.30	145.57	400	0.33	131.17	0.000	0.36	0.00	0	0.40	0.00	0	0.44	0.00	1288	385.143	
Sub-total																																										
5th year main. nance																																										
1	Maintenance of Bamboo Plantation at an escapement of 5mx5m (400 plants per ha) (100 Ha)	0.076	Ha	0	0.084	0	0	0.092	0	0	0.10	0	0	0.111	0.00	0	0.122	0.00	0	0.135	0.00	0	0.148	0.00	100	0.163	16.30	0	0.179	0.00	0	0.197	0.00	0	0.217	0.00	0	0.239	0.00	100	16.304	
2	Raising of NTSH plantation at an escapement of 3mx3m (1111 plants per ha) (1288.318 Ha) under SMM	0.139	Ha	0	0.153	0	0	0.168	0	0	0.19	0	0	0.204	0.00	0	0.224	0.00	0	0.246	0.00	0	0.271	0.00	400	0.298	119.24	488.318	0.328	160.13	400	0.361	144.28	0.000	0.397	0.00	0	0.436	0.00	1288	423.657	
Sub-total																																										
S.Total-II																																										

