

COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 991.502 Ha (BHA) PLANTATIONS IN NON-FOREST AREAS IN NALGONDA (T) DIVISION
(in lieu of diversion of forest land in (S) Forest blocks Elimenedu, Guttalakancha, Kongara khurd, Kongara Kalan and Salonidubba covering an area of about 1847 Ha of Rangareddy Forest Division in f/o Tourism Development Corporation)

Annex - 2 A

Sl. No	Item of work	Unit Cost		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23	
		Per	Rs in (Lakhs)	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I	Raising of plantations (BHA)																
1	Advance Operations	Ha	2.7839	318.911	887.804	299.165	916.12	220.145	735.42	153.281	554.73	0.000	0.00	0	0.00	0	0.00
2	Raising of plantations	Ha	1.6887	0	0.00	318.911	538.545	299.165	555.72	220.145	446.11	153.281	336.50	0	0.00	0	0.00
3	Seed Dibbling	Ha	0.01000	0	0.00	318.911	3.189	299.165	3.29	220.145	2.64	153.281	1.99	0	0.00	0	0.00
4	Removal of Boulders	Cum	0.00698	38269.320	267.120	35899.800	275.64	26417.400	221.27	18393.720	166.90	0.000	0.00	0	0.00	0	0.00
	Sub Total :				1154.923		1733.490		1515.706		1170.384		338.492		0.000		0.000
II	Maintenance of plantations																
1	1st Year	Ha	0.46305	0	0.00	0	0.00	318.911	147.672	299.165	152.381	220.145	122.326	153.281	92.270	0	0.000
2	2nd Year	Ha	0.50936	0	0.00	0	0.00	0	0.000	318.911	162.441	299.165	167.621	220.145	134.560	153.281	101.498
3	3rd Year	Ha	0.13925	0	0.00	0	0.00	0	0.000	0	0.000	318.911	44.408	299.165	45.825	220.145	36.786
4	4th Year	Ha	0.15318	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	318.911	48.851	299.165	50.409
5	5th Year	Ha	0.1685	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	318.911	53.737
6	6th Year	Ha	0.18535	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7	7th Year	Ha	0.20389	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	8th Year	Ha	0.22428	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Sub Total :				0.00		0.00		147.672		314.822		334.355		321.505		242.429
III	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.,)	No.s	1.02	68	69.36	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
IV	Installation of Solar Pump sets incl. pipe line	No.s	5.50	68	374.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
V	Construction of Watcher Sheds	No.s	3.50	32	112.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Sub Total :				555.36		0.00		0.00		0.00		0.00		0.00		0.00
VI	SMC works (Mini PTS, CDs & RFDs)	Ha	2.00	0	0	318.911	637.822	299.165	658.163	220.145	528.348	153.281	398.531	0	0.000	0	0.000
VII	Constrn. of Saucer pits for providing water to the wild animals	No.s	0.04	30	1.200	50	2.200	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
i	Maint of Saucer pit for providing water to the wild animals (5 months per year) incl. cost & transportation of water charges	No.s	0.01	0	0.000	30	0.330	80	0.960	80	1.040	80	1.120	80	1.200	80	1.280
VIII	Forest Protection																
1	Chain Link mesh & RCC poles	Km	17.140	89.432	1532.86	0.000	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
2	Construction of Gate (1No. For 1 site)	No.s	1.00	32	32.00	0.000	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (3) FROs. 12 M x 0.30 = 3.60 lakhs	No.s	3.60	4	14.40	4	14.40	4	14.40	4	14.40	4	14.40	4	14.40	0	0.00
4	Publicity & Awareness	Ls	35.00		7.000		7.000		7.000		7.000		7.000		0.00		0.00
5	Training / Facilitation Charges	Ls	25.00		5.000		5.000		5.000		5.000		5.000		0.00		0.00
	Sub Total :				1591.26		26.40		26.40		26.40		26.40		14.40		0.00
	Total :				3302.748		2400.242		2348.901		2040.993		1098.898		337.105		243.709
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery, Renumeration of DEOs, Technical Assistants and other contingencies)				115.492		237.131		232.154		201.355		107.138		32.150		24.243
	Gr . Total :				3418.240		2637.373		2581.055		2242.349		1206.035		369.255		267.952

* Adv. Operations, Raising of Plantations & Maintenance (1st Yr to 8th Yr) of plantations with 10% escalation to unit cost to each year.

Sl. No	Item of work	Unit Cost		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		Total	
		Per	Rs in (Lakhs)	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	19	20	21	22	23	24	25	26	27	28	29	30	31	32
I	Raising of plantations (BHA)																
1	Advance Operations	Ha	2.7839	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	991.502	3094.071
2	Raising of plantations	Ha	1.6887	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	991.502	1876.875
3	Seed Dibbling	Ha	0.01000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	991.502	11.114
4	Removal of Boulders	Cum	0.00698	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	118980.24	930.935
	Sub Total :				0.000		0.000		0.000		0.000		0.000		0.000		5912.995
II	Maintenance of plantations																
1	1st Year	Ha	0.46305	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	991.502	514.648
2	2nd Year	Ha	0.50936	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	991.502	566.119
3	3rd Year	Ha	0.13925	153.281	27.748	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	991.502	154.767
4	4th Year	Ha	0.15318	220.145	40.466	153.281	30.523	0	0.000	0	0.000	0	0.000	0	0.000	991.502	170.249
5	5th Year	Ha	0.1685	299.165	55.450	220.145	44.513	153.281	33.576	0	0.000	0	0.000	0	0.000	991.502	187.276
6	6th Year	Ha	0.18535	318.911	59.110	299.165	60.995	220.145	48.965	153.281	36.934	0	0.000	0	0.000	991.502	206.004
7	7th Year	Ha	0.20389	0	0.000	318.911	65.023	299.165	67.096	220.145	53.862	153.281	40.628	0	0.000	991.502	226.610
8	8th Year	Ha	0.22428	0	0.000	0	0.000	318.911	71.525	299.165	73.806	220.145	59.249	153.281	44.691	991.502	249.272
	Sub Total :				182.774		201.055		221.163		164.603		99.877		44.691		2274.945
III	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.)	No.s	1.02	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	68	69.360
IV	Installation of Solar Pump sets incl. pipe line	No.s	5.50	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	68	374.000
V	Construction of Watcher Sheds	No.s	3.50	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	32	112.000
	Sub Total :				0.00		0.00		0.00		0.00		0.00		0.00		555.360
VI	SMC works (Mini PTS, CDs & RFDs)	Ha	2.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	991.502	2222.864
VII	Constrn. of Saucer pits for providing water to the wild animals	No.s	0.04	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	80	3.400
i	Maint of Saucer pit for providing water to the wild animals (5 months per year) incl. cost & transportation of water charges	No.s	0.01	80	1.360	80	1.440	80	1.520	80	1.600	80	1.680	80	1.760	80	15.290
VIII	Forest Protection																
1	Chain Link mesh & RCC poles	Km	17.140	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	89.43	1532.864
2	Construction of Gate (1 No. For 1 site)	No.s	1.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	32.00	32.000
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (3) FROs. 12 M x 0.30 = 3.60 lakhs	No.s	3.60	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	4	86.400
4	Publicity & Awareness	Ls	35.00		0.00		0.00		0.00		0.00		0.00		0.00		35.000
5	Training / Facilitation Charges	Ls	25.00		0.00		0.00		0.00		0.00		0.00		0.00		25.000
	Sub Total :				0.00		0.00		0.00		0.00		0.00		0.00		1711.26
	Total :				184.134		202.495		222.683		166.203		101.557		46.451		12696.118
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery, Renumeration of DEOs, Technical Assistants and other contingencies)				18.277		20.105		22.116		16.460		9.988		4.469		1041.080
	Gr. Total :				202.412		222.600		244.799		182.663		111.545		50.920	991.500	13737.199

Divisional Forest Officer (T)
Nalgonda

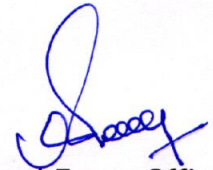
CA lands in Nalgonda (T) Division for Tourism Project in Hyderabad

Sl. No	Division	Mandal	CA Land Name	Area in (ha)	Perimeter in mtrs	Drilling of Bore wells in No.s	Installation of Solar pump sets in No.s	Constn. of watcher sheds	Adv operations in 2016-17		Adv operations in 2017-18		Adv operations in 2018-19		Adv operations in 2019-20		Total Area in Ha	
									Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Nalgonda	Chityala	Nereda - Sy.No.172	35.344	5447.557	2	2	1	15.344	1841.280	10.000	1200.000	10.000	1200.000	0.000	0.000	35.344	4241.280
2	Nalgonda	Devarakonda	Chintakuntla - Sy.No.380 A	13.541	2818.657	1	1	1	13.541	1624.920	0.000	0.000	0.000	0.000	0.000	0.000	13.541	1624.920
3	Nalgonda	Devarakonda	Chintakuntla - Sy.No.380 B	11.053	2275.760	1	1	1	0.000	0.000	11.053	1326.360	0.000	0.000	0.000	0.000	11.053	1326.360
4	Nalgonda	Devarakonda	Chintakuntla - Sy.No.380 C	5.093	1425.722	1	1	1	0.000	0.000	0.000	0.000	5.093	611.160	0.000	0.000	5.093	611.160
5	Nalgonda	Devarakonda	Madamamadaka-SY-60	13.307	2661.046	1	1	1	10.000	1200.000	3.307	396.840	0.000	0.000	0.000	0.000	13.307	1596.840
6	Nalgonda	Devarakonda	Shakavelly-Sy.No.-52	18.654	2636.657	2	2	1	10.000	1200.000	8.654	1038.480	0.000	0.000	0.000	0.000	18.654	2238.480
7	Nalgonda	Devarakonda	Chennaram-Sy.No.-174	14.896	1709.338	1	1	1	0.000	0.000	14.896	1787.520	0.000	0.000	0.000	0.000	14.896	1787.520
8	Nalgonda	Jajireddygudem	Thimmapur - Sy.No.418	21.260	3251.48	2	2	1	6.260	751.200	5.000	600.000	5.000	600.000	5.000	600.000	21.260	2551.200
9	Nalgonda	Jajireddygudem	Adavemula - Sy.No.505	124.456	5660.16	8	8	1	34.456	4134.720	30.000	3600.000	30.000	3600.000	30.000	3600.000	124.456	14934.720
10	Nalgonda	Marriguda	Kondur - Sy.No.23	8.836	1354.98	1	1	1	8.836	1060.320	0.000	0.000	0.000	0.000	0.000	0.000	8.836	1060.320
11	Nalgonda	Marriguda	Srirampet - Sy.No.382	39.979	3203.76	2	2	1	9.979	1197.480	10.000	1200.000	10.000	1200.000	10.000	1200.000	39.979	4797.480
12	Nalgonda	Marriguda	Bheemanpally - Sy.No.523	24.333	2425.80	2	2	1	10.000	1200.000	10.000	1200.000	4.333	519.960	0.000	0.000	24.333	2919.960
13	Nalgonda	Marriguda	Tirgundlapally-Sy.No.103	64.000	5071.59	3	3	1	15.000	1800.000	19.000	2280.000	15.000	1800.000	15.000	1800.000	64.000	7680.000
14	Nalgonda	Marriguda	Yargundlapally-Sy.No.16	7.733	1055.25	1	1	1	7.733	927.960	0.000	0.000	0.000	0.000	0.000	0.000	7.733	927.960
15	Nalgonda	Marriguda	Yargundlapally-Sy.No.17	10.486	1813.36	1	1	1	0.000	0.000	10.486	1258.320	0.000	0.000	0.000	0.000	10.486	1258.320
16	Nalgonda	Marriguda	Vattipalli-1 - Sy.127	16.515	1856.42	1	1	1	10.000	1200.000	6.515	781.800	0.000	0.000	0.000	0.000	16.515	1981.800
17	Nalgonda	Marriguda	Indurthy-2(Thandarpally) - Sy.651	25.475	3594.48	2	2	1	10.000	1200.000	10.000	1200.000	5.475	657.000	0.000	0.000	25.475	3057.000
18	Nalgonda	Marriguda	Indurthy(Ramreddypally) - Sy.757	31.418	2192.04	2	2	1	10.000	1200.000	10.000	1200.000	11.418	1370.160	0.000	0.000	31.418	3770.160
19	Nalgonda	Marriguda	Indurthy(Charlagudem) - Sy.764	74.747	4162.22	4	4	1	20.000	2400.000	20.000	2400.000	20.000	2400.000	14.747	1769.640	74.747	8969.640
20	Nalgonda	Marriguda	Indurthy-1(Shivannaguda) - Sy.956	40.470	4132.26	2	2	1	10.000	1200.000	10.000	1200.000	10.000	1200.000	10.470	1256.400	40.470	4856.400
21	Nalgonda	Marriguda	Marriguda - Sy.161	7.145	1234.682	1	1	1	0.000	0.000	7.145	857.400	0.000	0.000	0.000	0.000	7.145	857.400
22	Nalgonda	Marriguda	Kudhabaxpally - 263 A	38.109	2946.028	2	2	1	20.000	2400.000	18.109	2173.080	0.000	0.000	0.000	0.000	38.109	4573.080
23	Nalgonda	Marriguda	Kudhabaxpally - 263 B	8.826	1224.818	1	1	1	0.000	0.000	0.000	0.000	8.826	1059.120	0.000	0.000	8.826	1059.120
24	Nalgonda	Marriguda	Kudhabaxpally - 263 B	9.335	1674.330	1	1	1	0.000	0.000	0.000	0.000	0.000	0.000	9.335	1120.200	9.335	1120.200
25	Nalgonda	Marriguda	Somarajguda-1	8.015	1549.55	1	1	1	8.015	961.800	0.000	0.000	0.000	0.000	0.000	0.000	8.015	961.800
26	Nalgonda	Marriguda	Somarajguda-2	25.115	1906.120	2	2	1	0.000	0.000	10.000	1200.000	10.000	1200.000	5.115	613.800	25.115	3013.800
27	Nalgonda	Nampally	Peddapuram - Sy.No.286	72.517	5303.58	5	5	1	20.000	2400.000	20.000	2400.000	20.000	2400.000	12.517	1502.040	72.517	8702.040
28	Nalgonda	Narayanapur	Narayanapur - Sy.362	62.551	3187.12	4	4	1	15.000	1800.000	15.000	1800.000	15.000	1800.000	17.551	2106.120	62.551	7506.120
29	Nalgonda	Narayanapur	Mahamadabad - Sy.266	8.992	1498.74	1	1	1	8.992	1079.040	0.000	0.000	0.000	0.000	0.000	0.000	8.992	1079.040
30	Nalgonda	Suryapet	Ramaram - Sy.No.78	73.546	3969.91	5	5	1	20.000	2400.000	20.000	2400.000	20.000	2400.000	13.546	1625.520	73.546	8825.520
31	Nalgonda	Suryapet	Yerkaram - Sy.No.128	45.471	3866.20	3	3	1	15.470	1856.400	10.000	1200.000	10.000	1200.000	10.000	1200.000	45.470	5456.400
32	Nalgonda	Valigonda	Arror - 409, Gangapur - 10	30.285	2322.339	2	2	1	10.285	1234.200	10.000	1200.000	10.000	1200.000	0.000	0.000	30.285	3634.200
			Total :	991.502	89431.9526	68	68	32	318.911	38269.320	299.1650	35899.8000	220.1450	26417.4000	153.2810	18393.7200	991.5020	118980.240

Divisional Forest Officer,
Nalgonda

Unit Cost of PlantationsAnnex - 3 AABSTRACT

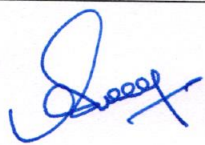
Sl.No	Discription	Unit Cost / Ha.
1	Advance operations (Plantations) (2016-17)	278386.00
2	Raising (2017-18)	168870.00
3	1st year Maint. (2018-19)	46305.00
4	2nd year Maint. (2019-20)	50936.00
5	3rd year Maint. (2020-21)	13925.00
6	4th year Maint. (2021-22)	15318.00
7	5th year Maint. (2022-23)	16850.00
8	6th year Maint. (2023-24)	18535.00
9	7th year Maint. (2024-25)	20389.00
10	8th year Maint. (2025-26)	22428.00


Divisional Forest Officer,
Nalgonda

SOIL SUITABILITY CERTIFICATE

This is to certify that, I have inspected the following survey number wise sites/location wise for treatment under compensatory afforestation. The proposed sites are consists of hillock and boulder intermittent with soil patches which are eroded and the top soil is lost. The CA land **991.50 Ha** of the area is suitability for BHA planting/Gap planting including removal of boulders with species like non browsable species like. *Acacia sundra*, *Annona squamosa* *Azadirachta indica*, *Albizia amara*, *Butea monosperma*, *Cassia fistula*, *Dabergia paniculata*, *Ficus spp*, *Givotia moluccana*, *Holoptelea integrifolia* and other similar species available in the reference forests of the area.

SI No	Mandal	Village	Survey No.	Extent of land Handed over for CA	
				Acres	In Ha
1	Marriguda	Marriguda	161	17.65	7.14
2		Kondoor	23	21.83	8.83
3		Srirampet	382	98.78	39.97
4		D.Bhimanapally	523	60.12	24.33
5		Tirgandlapally	103	158.14	64.00
6		Yerragandlapally	16	19.10	7.73
7		Yerragandlapally	17	25.91	10.64
8		Vattipally	127	40.80	16.51
9		Indurthy (Thanedarpally)	651	62.94	25.47
10		Indurthy (Ramreddypally)	757	77.63	31.41
11		Indurthy (Cherlagudem)	764	184.69	74.74
12		Indurthy (Sivannagudem)	956	100.00	40.47
13		Kudhabaxpally	263	139.02	56.25
14		Somarajuguda	1	19.80	8.01
15		Somarajuguda	2	62.06	25.11
16	Nampally	Peddapuram	286	179.19	72.51
17	Narayanpur	Narayanpur	362	154.56	62.55
18		Mohammadabad	266	22.22	8.99
19	Suryapet	Ramaram	78	181.73	73.54
20		Yerkaram	128	112.35	45.47
21	Valigonda	Arror/Ghanpur	10, 409	74.83	30.28
22	Chityal	Nerada	172	87.33	35.34
23	Devarkonda	Chinthakuntla	380 - A,B &C	73.35	29.68
24		Madamadaka	60	32.88	13.30
25		Shakavally	52	46.09	18.65
26		Chennaram	174	36.80	14.89
27	Jagireddygudem	Thimmapur	418	52.53	21.26
28		Adavemula	505	307.53	124.45
			TOTAL:	2449.86	991.50


 Divisional Forest Officer (T)
 Nalgonda.

Annex-3 B

**UNIT COST OF PLANTATIONS - CA SCHEME -
WLM NAGARJUNASAGAR DIVISION - 2015-16**

Sl. No	Item of work	Unit Cost (Rs in Lakhs)	
		Per	Rs in (Lakhs)
I	Raising of plantations (BHA)		
1	Advance Operations	Ha	1.39137
2	Raising of plantations	Ha	0.68896
II	Maintenance of plantations		
1	1st Year	Ha	0.26358
2	2nd Year	Ha	0.28994
3	3rd Year	Ha	0.11058
4	4th Year	Ha	0.12164
5	5th Year	Ha	0.1338
6	6th Year	Ha	0.14718
7	7th Year	Ha	0.1619
8	8th Year	Ha	0.17809

COI COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 646.77 Ha (BHA) PLANTATIONS IN NON-FOREST AREAS IN WILDLIFE
(in lieu of diversion of forest land in (5) Forest blocks Elimenadu, Guttalakancha, Kongara khurd, Kongara Kalan and Salonidubba covering an area of about 1847 Ha of Rangareddy Forest Division
in f/o Tourism Development Corporation) Fin. Rs. in Lakhs

Annex - 2 B

Sl. No	Item of work	Unit Cost Per Rs in (Lakhs)	2024-25		2025-26		2026-27		2027-28		2028-29		Total	
			Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	21	22	23	24	25	26	27	28	29	30	31	32
I	Raising of plantations (BHA)													
1	Advance Operations	Ha 1.39137	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	646.770	1023.405
2	Raising of plantations	Ha 0.68896	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	646.770	506.756
	Sub Total :			0.000		0.000		0.000		0.000		0.000		1530.161
II	Maintenance of plantations													
1	1st Year	Ha 0.26358	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	646.767	193.872
2	2nd Year	Ha 0.28994	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	646.767	213.261
3	3rd Year	Ha 0.11058	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	646.767	81.335
4	4th Year	Ha 0.12164	0.000	0.000	0	0.000	0	0.000	0	0.000	0	0.000	646.767	89.470
5	5th Year	Ha 0.1338	338.671	54.377	0.000	0.000	0.000	0.000	0	0.000	0	0.000	646.767	98.414
6	6th Year	Ha 0.14718	210.331	34.052	338.671	59.815	0.000	0.000	0.000	0.000	0	0.000	646.767	108.258
7	7th Year	Ha 0.1619	97.765	15.828	210.331	37.458	338.671	65.797	0.000	0.000	0	0.000	646.767	119.083
8	8th Year	Ha 0.17809	0	0.000	97.765	17.411	210.331	41.204	338.671	72.377	0.000	0.000	646.767	130.991
	Sub Total :			104.257		114.684		107.001		72.377		0.000		1034.683
III	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.,)	No.s 1.02	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	40	40.800
IV	Installation of Solar Pump sets incl. pipe line	No.s 5.50	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	40	220.000
V	Construction of Watcher Sheds	No.s 3.50	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	14	49.000
	Sub Total :			0.000		0.000		0.000		0.000		0.000		309.800
VI	SMC works (Mini PTS, CDs & RFDs)	No.s 6.75	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	82	452.250
VII	Constrn. of Saucer pits for providing water to the wild animals	No.s 0.04	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	60	2.52
i	Maintn of Saucer pit for providing water to the wild animals (5 months per year) incl. cost & transportation of water charges	No.s 0.01	60	1.08	60	1.14	60	1.20	60	1.26	60	1.32	60	11.55
	Sub Total :			1.08		1.14		1.20		1.26		1.32		466.32
VIII	Forest Protection													
1	Chain Link mesh & RCC poles	Km 16.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	51.50	824.000
2	Construction of Gate (1No. For 1 site)	No.s 1.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	14.00	14.000
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (2) FROs. 12 M x 0.30 = 3.60 lakhs/	No.s 3.60	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	3	64.800
4	Publicity & Awareness	Ls 20.00		0.00		0.00		0.00		0.00		0.00		20.000
5	Training / Facilitation Charges	Ls 2.00		0.00		0.00		0.00		0.00		0.00		2.000
	Sub Total :			105.337		115.824		108.201		73.637		1.320		924.80
	Total :													4265.764
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery and Renumeration of DEOs, & Technical Assistants and other contingencies)			10.534		11.582		10.820		7.364		0.132		303.116
	GRAND TOTAL:			115.871		127.406		119.021		81.000		1.452		4568.881

Divisional Forest Officer (W/L)
Nagarjunasagar

COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 646.77 Ha (BHA) PLANTATIONS IN NON-FOREST AREAS IN WILDLIFE MANAGEMENT DIVISION NAGARJUNASAGAR
(in lieu of diversion of forest land in (5) Forest blocks Elimenedu, Guttalakancha, Kongara khurd, Kongara Kalan and Salondubba covering an area of about 1847 Ha of Rangareddy Forest Division
in f/o Tourism Development Corporation) Fin. Rs in Lakhs

Sl. No	Item of work	Unit Cost		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		2023-24	
		Per	Rs in (Lakhs)	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I	Raising of plantations (BHA)																		
1	Advance Operations	Ha	1.39137	97.765	136.027	210.334	321.92	338.671	565.46	0.000	0.00	0.000	0.00	0	0.00	0	0.00	0	0.00
2	Raising of plantations	Ha	0.68896	0	0.00	97.765	67.356	210.334	159.40	338.671	280.00	0.000	0.00	0	0.00	0	0.00	0	0.00
	Sub Total :				136.027		389.274		724.863		279.997		0.000		0.000		0.000		0.000
II	Maintenance of plantations																		
1	1st Year	Ha	0.26358	0	0.00	0	0.00	97.765	25.769	210.331	60.983	338.671	107.120	0.000	0.000	0	0.000	0	0.000
2	2nd Year	Ha	0.28994	0	0.00	0	0.00	0	0.000	97.765	28.346	210.331	67.082	338.671	117.833	0.000	0.000	0	0.000
3	3rd Year	Ha	0.11058	0	0.00	0	0.00	0	0.000	0	0.000	97.765	10.811	210.331	25.584	338.671	44.940	0.000	0.000
4	4th Year	Ha	0.12164	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	97.765	11.892	210.331	28.143	338.671	49.435
5	5th Year	Ha	0.1338	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	97.765	13.081	210.331	30.957
6	6th Year	Ha	0.14718	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	97.765	14.389
7	7th Year	Ha	0.1619	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8	8th Year	Ha	0.17809	0	0.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Sub Total :				0.00		0.00		25.769		89.329		185.013		155.310		86.164		94.781
III	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.,)	No.s	1.02	40	40.80	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
IV	Installation of Solar Pump sets incl. pipe line	No.s	5.50	40	220.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
V	Construction of Watcher Sheds	No.s	3.50	14	49.00	0	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
	Sub Total :				309.80		0.00		0.00		0.00		0.00		0.00		0.00		0.00
VI	SMC works (Mini PTS, CDs & RFDs)	No.s	6.75	10	67.5	10	67.500	20	148.500	10	81.000	10.000	87.750	10	0.000	10	0.000	2	0.00
VII	Constrn. of Saucer pits for providing water to the wild animals	No.s	0.04	30	1.20	30	1.32	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
i	Maintn of Saucer pit for providing water to the wild animals (5 months per year) incl. cost & transportation of water charges	No.s	0.01	0	0.00	30	0.33	60	0.72	60	0.78	60	0.84	60	0.90	60	0.96	60	1.02
	Sub Total :				68.70		69.15		149.22		81.78		88.59		0.90		0.96		1.02
VII	Forest Protection																		
1	Chain Link mesh & RCC poles	Km	16.000	17	272.00	17	272.00	17.50	280.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
2	Construction of Gate (1No. For 1 site)	No.s	1.00	14	14.00	0.000	0.00	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (2) FROs. 12 M x 0.30 = 3.60 lakhs/	No.s	3.60	3	10.80	3	10.80	3	10.80	3	10.80	3	10.80	3	10.80	0	0.00	0	0.00
4	Publicity & Awareness	Ls	20.00		4.000		4.000		4.000		4.000		4.000		0.00		0.00		0.00
5	Training / Facilitation Charges	Ls	2.00		0.500		0.500		0.500		0.500		0.000		0.00		0.00		0.00
	Sub Total :				301.30		287.30		295.30		15.30		14.80		10.80		0.00		0.00
	Total :				815.827		745.724		1195.152		466.406		288.403		167.010		87.124		95.801
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery and Renumeration of DEOs, & Technical Assistants and other contingencies)																		
					20.473		45.842		89.985		45.111		27.360		15.621		8.712		9.580
	GRAND TOTAL:				836.300		791.566		1285.137		511.516		315.763		182.630		95.837		105.381

* Adv. Operations, Raising of Plantations & Maintenance (1st Yr to 8th Yr) of plantations added 10% to unit cost to each year.

SOIL SUITABILITY CERTIFICATE

This is to certify that, I have inspected the following survey number wise sites/location wise for treatment under compensatory afforestation. The proposed sites are consists of hillock and boulder intermittent with soil patches which are eroded and the top soil is lost. The CA land **646.770 Ha** of the area is suitability for BHA planting/Gap planting including removal of boulders with species like non browsable species like. *Acacia sundra*, *Annona squamosa* *Azadirachta indica*, *Albizia amara*, *Butea monosperma*, *Cassia fistula*, *Dabergia paniculata*, *Ficus spp*, *Givotia moluccana*, *Holoptelea integrifolia* and other similar species available in the reference forests of the area.

SI No	Mandal	Village	Survey No.	Extent of land Handed over for CA	
				Acres	In Ha
1	Chandampet	Bachapuram	106	150.78	61.017
2		Kacharajupally	124	96.13	38.904
3		Kethepally	23	35.91	14.532
4		Kethepally	31	46.74	18.917
5		Kethepally	60	263.32	106.562
6		Murupunuthala	152	244.24	98.838
7		Modudundla	151	35.60	14.405
8		Neredugommu	359	131.38	53.168
9		Neredugommu	372	108.88	44.063
10		Neredugommu	630	50.84	20.573
11	Peddavoora	Parvedula	60/61	61.23	24.779
12	Peddavoora	Parvedula	167&142	82.22	34.082
13	Peddavoora	Chintalapalem	223	115.17	70.323
14		Chintalapalem	222	173.77	46.607
	TOTAL			1596.21	646.770


 Divisional Forest Officer
 WLM, Nagarjunasagar

CA lands in Wildlife Management Division, Nagarjunasagar for Tourism Project

Sl. No	Division	Mandal	CA Land Name	Area (ha)	Perimeter in m	Drilling of Bore wells in No.s	Installation of Solar pump sets in No.s	Constn. of watcher sheds	Adv operations in 2016-17	Adv operations in 2017-18	Adv operations in 2018-19	Total Area in Ha
1	2	3	4	5	6	7	8	9	10	11	12	13
1	WLM, N.Sagar	Chandampet	Bachapuram- Sy.No.106	61.017	4482.500	4	4	1	0.000	0.000	61.017	61.017
2	WLM, N.Sagar	Chandampet	Kacharajupally Sy.no.124	38.904	2927.240	2	2	1	38.904	0.000	0.000	38.904
3	WLM, N.Sagar	Chandampet	Kethepalli Sy.No.23	14.532	2939.120	1	1	1	0.000	14.532	0.000	14.532
4	WLM, N.Sagar	Chandampet	Kethepalli Sy.No.31	18.917	1706.980	1	1	1	0.000	18.917	0.000	18.917
5	WLM, N.Sagar	Chandampet	Kethepalli Sy.No.60	106.562	5808.630	7	7	1	0.000	106.562	0.000	106.562
6	WLM, N.Sagar	Chandampet	Murupunuthala Sy.No.152	98.838	5850.520	6	6	1	0.000	0.000	98.838	98.838
7	WLM, N.Sagar	Chandampet	Modudundla Sy.No.151	14.405	1869.880	1	1	1	0.000	0.000	14.405	14.405
8	WLM, N.Sagar	Chandampet	Neredugommu Sy.No.359	53.168	5061.47	3	3	1	0.000	0.000	53.168	53.168
9	WLM, N.Sagar	Chandampet	Neredugommu Sy.No.372	44.063	3459.28	3	3	1	0.000	0.000	44.063	44.063
10	WLM, N.Sagar	Chandampet	Neredugommu Sy.No.630	20.573	1803.98	1	1	1	0.000	0.000	20.573	20.573
11	WLM, N.Sagar	Peddavoora	Parvedula Sy.No.60/61	24.779	2893.05	1	1	1	24.779	0.000	0.000	24.779
12	WLM, N.Sagar	Peddavoora	Parvedula Sy.No.167 & 142	34.082	2943.00	2	2	1	34.082	0.000	0.000	34.082
13	WLM, N.Sagar	Peddavoora	Chintalapalem Sy.No.223	70.323	4386.92	5	5	1	0.000	70.323	0.000	70.323
14	WLM, N.Sagar	Peddavoora	Chintalapalem Sy.No.222	46.607	5339.40	3	3	1	0.000	0.000	46.607	46.607
			Total :	646.770	51471.970	40	40	14	97.765	210.3340	338.6710	646.770

Divisional Forest Officer (WLM),
Nagarjunasagar

Divisional Forest Officer (WLM),
Nagarjunasagar

Atm - 2c

ABSTRACT OF COMPENSATORY AFFORESTATION PROJECT (A & B) (2016-17 - 2028-29)

ECO-TOURISM PROJECT FOR HYDERABAD
IN SY. NO. 145 & 247 PULLAGIRI VILLAGE OF THIMMAJIPET MANDAL & SY. NO. 100 NAGILLA VILLAGE, MADGUL MANDAL, MAHABUBNAGAR DIVISION
MAHABUBNAGAR FOREST DIVISION, T.S.FOREST DEPARTMENT

Physical in Ha.
Financial Rs. in Lakhs

S.No.	Name of the Location	Phy	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	Total													
			Advance	Raising	1st year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year															
			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	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
Scheme-A																													
1	CA Scheme For Raising of 122.36 Ha (302.08 Acres) (BHA) Plantations in Non-Forest Areas of Pulligiri Village of Thimmapet Mandal in Mahabubnagar (T), Division.	40.00	466.474	40.00	441.833	42.36	471.352	296.237	84.080	57.553	27.591	30.037	32.709	35.662	39.942	45.825	49.999	122.36	2079.294										
Scheme-B																													
2	CA Scheme For Raising of 141.64 Ha (350.00 Acres) (BHA) Plantations in Non-Forest Areas of Nagilla Village of Madgiri Mandal in Mahabubnagar (T), Division.	50.00	410.322	50.00	540.053	41.64	533.284	307.332	91.285	60.386	31.108	33.908	36.970	40.352	45.376	52.376	57.208	141.64	2239.961										
Grand Total:			876.796		981.886		1004.636		603.569		175.366		117.939		58.699		63.945		69.678		76.014		85.318		98.201		107.207		4319.255

30.5.16
Divisional Forest Officer,
Mahabubnagar.

**COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 122.30⁶ Ha (302.08 Acres)(BHA) PLANTATIONS IN NON-FOREST AREAS IN MAHABUBNAGAR (T) DIVISION
(In lieu of diversion of forest land in Pullagiri Village Covering an area of about 122.30 Ha of Mahabubnagar Forest Division in I/o. Tourism Development Corporation**

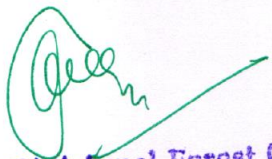
Sl. No	Item of work	Unit Cost (Rs in Lakhs)		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22	
		Per	Fin. (Lakhs)	Advance		Raising		1st year		2nd Year		3rd Year		4th Year	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	Raising of plantations (BHA)														
1	Nursery Cost (Procurement of Tall Seedlings) (Incl. Casualties)	Nos	0.0005			19200	10.56	19200	11.52	20332.8	13.22				
2	Advance Operations	Ha	2.826	40.00	113.039	40.00	124.34	42.36	143.65						
3	Raising of plantations	Ha	1.689			40.00	67.548	40.00	74.30	42.36	85.84				
4	Seed Dibbling	Ha	0.010			40.00	0.400	40.00	0.44	42.36	0.51				
5	Removal of Boulders	Cum	0.0107	4800.00	51.312	4800.00	56.44	5076.00	65.11						
	Sub Total :				164.351		259.294		295.027		99.565		0.000		0.000
III	Maintenance of plantations (BHA)														
1	1st year Maintenance of Nursery Cost [25% Procurement of Tall Plants]	Nos	0.0005			4000	2	4000	2.40	4236	2.75				
2	1st Year	Ha	0.4631					40.00	18.522	40.00	20.374	42.36	23.538		
3	2nd Year	Ha	0.5094							40.00	20.374	40.00	22.412	42.36	25.892
4	3rd Year	Ha	0.1393									40.00	5.570	40.00	6.127
5	4th Year	Ha	0.1532											40.00	6.127
6	5th Year	Ha	0.1685												
7	6th Year	Ha	0.1854												
8	7th Year	Ha	0.2039												
9	8th Year	Ha	0.2243												
10	9th Year	Ha	0.2467												
11	10th Year	Ha	0.2714												
12	11th Year	Ha	0.2985												
	Sub Total :				0.000		2.000		20.922		43.502		51.520		38.146
V	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.,)	No.s	2.000	3	6.00	3	6.60								
VI	Installation of Solar Pump sets incl. pipe line	No.s	5.500	3	16.50	3	18.15								
VII	Construction of Watcher Sheds	No.s	3.500	1	3.50	1	3.85								
	Sub Total :				26.00		28.60		0.00		0.00		0.00		0.00
VIII	SMC works (Mini PTS, CDs & RFDs)	Ha	2.000	0	0	40.000	80.000	40.000	88.000	42.30	101.520				
IX	Intensification of Forest Management														
1	Watch Towers	Nos	10.000	1	10.00	1	11.000								
2	Fire Watchers (5 Months i.e. April, May, Jan, Feb & March) and 5 Members.	Nos	0.055	5	1.369	5	1.506	5	1.643	5	1.779	5	1.916	5	2.053
3	Fire Fighting Equipments	Ls	2.000		2.000		2.000		2.000		2.000		2.000		2.000
4	Creation of Firelines 3mtrs Wide	Rmt	0.000048	4000	0.190										
5	Mainl. Of Fire Lines	Rmt	0.000036			4000	0.143	4000	0.171	4000	0.186	4000	0.200	4000	0.214
	Sub Total :				13.559		14.648		3.814		3.965		4.116		4.267
X	Forest Protection														
1	Chain Link mesh & RCC poles	Km	16.000	13.75	220.00										
2	Construction of Gate (1No. For 1 site)	No.s	3.000	1	3.00										
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (2) FROs. 12 M x 0.30 = 3.60 lakhs/	No.s	3.600	3	10.80	3	10.80	3	10.80	3	10.80	3	10.80	3	10.80
4	Protection Watchers 6 Members for 12 Months.	Nos	0.055	6	0.33	6	0.36	6	0.39	6	0.43	6	0.49	6	0.53
5	Publicity & Awareness	Ls	35.000		7.000		7.000		7.000		7.000		7.000		
6	Training / Facilitation Charges	Ls	25.000		5.000		5.000		5.000		5.000		5.000		
	Sub Total :				246.13		23.16		23.19		23.23		23.29		11.33
	Total :				450.039		407.704		430.957		271.779		78.928		53.739
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery and Remuneration of DEOs, & Technical Assistants and other contingencies)				16.435		34.129		40.395		24.459		5.152		3.815
	Gr. Total :				466.474		441.833		471.352		296.237		84.080		57.553

* Adv. Operations, Raising of Plantations & Maintenance (1st Yr to 11th Yr) of plantations added 10% to unit cost to each year.

COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 122.36 Ha (302.08 Acres)(BHA) PLANTATIONS IN NON-FOREST AREAS IN MAHABUBNAGAR (T) DIVISION

BHA PLANTATIONS IN NON-FOREST AREAS AT																			
MAHABUBNAGAR (T) DIVISION																			
Sl. No	Item of work	Unit Cost (Rs in Lakhs)		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		Total	
		Per	Fin. (Lakhs)	5th Year		6th Year		7th Year		8th Year		9th Year		10th Year		11th Year			
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
I	Raising of plantations (BHA)																		
1	Nursery Cost (Procurement of Tall Seedlings) (Incl. Casualties)	Nos	0.0005															58733	35.296
2	Advance Operations	Ha	2.826															122.36	381.031
3	Raising of plantations	Ha	1.689															122.36	227.691
4	Seed Dibbling	Ha	0.010															122.36	1.348
5	Removal of Boulders	Cum	0.0107															14676.00	172.870
	Sub Total :				0.000		0.000		0.000		0.000		0.000		0.000		0.000		818.237
III	Maintenance of plantations (BHA)																		
1	1st year Maintenance of Nursery Cost (25% Procurement of Tall Plants)	Nos	0.0005															12236.00	7.153
2	1st Year	Ha	0.4631															122.36	62.434
3	2nd Year	Ha	0.5094															122.36	68.678
4	3rd Year	Ha	0.1393	42.36	7.078													122.36	18.775
5	4th Year	Ha	0.1532	40.00	6.740	42.36	7.786											122.36	20.654
6	5th Year	Ha	0.1685	40.00	6.740	40.000	7.414	42.36	8.565									122.36	22.719
7	6th Year	Ha	0.1854			40.000	7.414	40.000	8.155	42.36	9.422							122.36	24.991
8	7th Year	Ha	0.2039					40.000	8.156	40.000	8.971	42.36	10.364					122.36	27.491
9	8th Year	Ha	0.2243							40.000	8.971	40.000	9.868	42.36	11.401			122.36	30.240
10	9th Year	Ha	0.2467								40.000	8.971	40.000	9.868	42.36	11.401		122.36	35.238
11	10th Year	Ha	0.2714									40.000	10.855	40.000	11.842	42.36	12.541	122.36	26.052
12	11th Year	Ha	0.2985											40.000	13.026	40.000	13.026	80.00	14.329
	Sub Total :				20.558		22.614		24.876		27.364		31.088		36.269		39.896		358.755
V	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc..)	No.s	2.000															6	12.600
VI	Installation of Solar Pump sets incl. pipe line	No.s	5.500															6	34.650
VII	Construction of Watcher Sheds	No.s	3.500															2	7.350
	Sub Total :				0.00		0.00		0.00		0.00		0.00		0.00		0.00		54.600
VIII	SMC works (Mini PTS, CDs & RFDs)	Ha	2.000															122.300	269.520
IX	Intensification of Forest Management																		
1	Watch Towers	Nos	10.000															2	21.000
2	Fire Watchers (5 Months i.e. April, May, Jan, Feb & March) and 5 Members.	Nos	0.055	5	2.190	5	2.327	5	2.464	5	2.601	5	2.738	5	2.874	5	3.011	35	28.470
3	Fire Fighting Equipments	Ls	2.000		2.000		2.000		2.000		2.000		2.000		2.000		2.000		26.000
4	Creation of Firelines 3mtrs Wide	Rmt	0.000048																0.190
5	Maint. Of Fire Lines	Rmt	0.000036	4000	0.228	4000	0.243	4000	0.257	4000	0.271	4000	0.285	4000	0.300	4000	0.314	4000	2.812
	Sub Total :				4.418		4.569		4.721		4.872		5.023		5.174		5.325		78.472
X	Forest Protection																		
1	Chain Link mesh & RCC poles	Km	16.000															0	0.000
2	Construction of Gate (1No. For 1 site)	No.s	3.000															13.75	220.000
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (2) FROs. 12 M x 0.30 = 3.60 lakhs/	No.s	3.600															1.00	3.000
4	Protection Watchers 6 Members for 12 Months.	Nos	0.055	6	0.56	6	0.59	6	0.62	6	0.69	6	0.723	6	0.756	6	0.788	6	7.260
5	Publicity & Awareness	Ls	35.000															0	35.000
6	Training / Facilitation Charges	Ls	25.000															0	25.000
	Sub Total :				0.56		0.59		0.62		0.69		0.72		0.76		0.79		355.06
	Total :				25.535		27.775		30.221		32.926		36.833		42.198		46.009		1934.643
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery and Remuneration of DEOs, & Technical Assistants and other contingencies)				2.056		2.261		2.488		2.736		3.109		3.627		3.990		144.651
	Gr . Total :				27.591		30.037		32.709		35.662		39.942		45.825		49.999		2079.294

* Adv. Operations, Raising of Plantations & Mainten


Divisional Forest Officer
MAHABUBNAGAR.

Sd/-
Divisional Forest Officer (T)
Mahabubnagar.

141.64

**COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 141.64 Ha (350.00 Acres) (BHA) PLANTATIONS IN NON-FOREST AREAS IN MAHABUBNAGAR (T) DIVISION
(In lieu diversion of forest land in Nagilla Village Covering an area of about 141.64 Ha of Mahabubnagar Forest Division in f/o Tourism Development Corporation)**

Sl. No	Item of work	Unit Cost (Rs in Lakhs)		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22	
		Per	Rs in (Lakhs)	Advance		Raising		1st year		2nd Year		3rd Year		4th Year	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	Raising of plantations (BHA)														
1	Nursery Cost (Procurement of Tall Seedlings) (Incl. Casualties)	Nos	0.0005			24000	13.20	24000	14.40	19987.2	12.99				
2	Advance Operations	Ha	2.826	50.00	141.299	50.00	155.43	41.64	141.21						
3	Raising of plantations	Ha	1.689			50.00	84.435	50.00	92.88	41.64	84.38				
4	Seed Dibbling	Ha	0.010			50.00	0.500	50.00	0.55	41.64	0.50				
5	Removal of Boulders	Cum	0.0107	6000	64.140	6000	70.55	5004	64.19						
	Sub Total :				205.439		324.117		313.228		97.872		0.000		0.000
III	Maintenance of plantations (BHA)														
1	1st year Maintenance of Nursery Cost (25% Procurement of Tall Plants)	Nos	0.0005			5000	2.500	5000	3.000	4164	2.707				
2	1st Year	Ha	0.463					50.00	23.153	50.00	25.468	41.64	23.138		
3	2nd Year	Ha	0.509							50.00	25.468	50.00	28.015	41.64	25.452
4	3rd Year	Ha	0.139									50.00	6.963	50.00	7.659
5	4th Year	Ha	0.153											50.00	7.659
6	5th Year	Ha	0.169												
7	6th Year	Ha	0.185												
8	7th Year	Ha	0.204												
9	8th Year	Ha	0.224												
10	9th Year	Ha	0.247												
11	10th Year	Ha	0.271												
12	11th Year	Ha	0.299												
	Sub Total :				0.000		2.500		26.153		53.642		58.115		40.769
V	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc..)	No.s	2.00	4	8.000	4	8.800								
VI	Installation of Solar Pump sets incl. pipe line	No.s	5.50	4	22.000	4	24.200								
VII	Construction of Watcher Sheds	No.s	3.50	1	3.500										
	Sub Total :				33.500		33.000		0.00		0.00		0.00		0.00
VIII	SMC works (Mini PTS, CDs & RFDs)	Ha	2.00			50.00	100.000	50.00	110.000	43.00	103.200				
IX	Intensification of Forest Management														
1	Watch Towers	Nos	10.000	1	10.000	1	11.000	1	12.000						
2	Fire Watchers (5 Months i.e. April, May, Jan, Feb & March) and 5 Members.	Nos	0.055	5	1.369	5	1.506	5	1.643	5	1.779	5	1.916	5	2.053
3	Fire Fighting Equipments	Ls	2.000		2.000		2.000		2.000		2.000		2.000		2.000
4	Creation of Firelines 3mtrs Wide	Rmt	0.000048	3000	0.143										
5	Maint. Of Fire Lines	Rmt	0.000036			3000	0.107	3000	0.128	3000	0.139	3000	0.150	3000	0.161
	Sub Total :				13.512		14.613		15.771		3.919		4.066		4.214
X	Forest Protection														
1	Chain Link mesh & RCC poles	Km	16.000	6.95	111.20										
2	Construction of Gate (1No. For 1 site)	No.s	3.00	1	3.000										
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (2) FROs. 12 M x 0.30 = 3.60 lakhs/	No.s	3.600	3	10.80	3	10.80	3	10.80	3	10.80	3	10.80	3	10.80
5	Protection Watchers 6 Members for 12 Months.	Nos	0.055	6	0.329	6	0.361	6	0.394	6	0.427	6	0.493	6	0.526
6	Publicity & Awareness	Ls	35.00		7.000		7.000		7.000		7.000		7.000		
7	Training / Facilitation Charges	Ls	25.00		5.000		5.000		5.000		5.000		5.000		
	Sub Total :				137.33		23.161		23.194		23.227		23.293		11.326
	Total :				389.779		497.391		488.346		281.860		85.474		56.309
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery and Renumeration of DEOs, & Technical Assistants and other contingencies)				20.544		42.662		44.938		25.471		5.811		4.077
	Gr. Total :				410.322		540.053		533.284		307.332		91.285		60.386

* Adv. Operations, Raising of Plantations & Maintenance (1st Yr to 11th Yr) of plantations added 10% to unit cost to each year.

**COMPENSATORY AFFORESTATION SCHEME FOR RAISING
(in lieu of diversion of forest land in Nagilla Village Cov**

**COMPENSATORY AFFORESTATION SCHEME FOR RAISING OF 141.64 Ha (350.00 Acres) (BHA) PLANTATIONS IN NON-FOREST AREAS IN
MAHABUBNAGAR (T) DIVISION
(in lieu of diversion of forest land in Nagilla Village Covering an area of about 141.64 Ha of Mahabubnagar Forest Division in f/o
Tourism Development Corporation)**

Project Image covering an area of about 14100 Ha of Mahabubnagar Forest Division in f/o Tourism Development Corporation)																			
Sl. No	Item of work	Unit Cost (Rs in Lakhs)		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		Total	
		Per	Rs In (Lakhs)	5th Year		6th Year		7th Year		8th Year		9th Year		10th Year		11th Year			
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin		
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
I	Raising of plantations (BHA)																		
1	Nursery Cost (Procurement of Tall Seedlings) (Incl. Casualties)	Nos	0.0005																
2	Advance Operations	Ha	2.826															67987	40.592
3	Raising of plantations	Ha	1.689															141.640	437.935
4	Seed Dibbling	Ha	0.010															141.640	261.694
5	Removal of Boulders	Cum	0.0107															141.640	1.550
	Sub Total :				0.000		0.000		0.000		0.000		0.000		0.000			17004.00	198.885
III	Maintenance of plantations (BHA)																0.000		940.656
1	1st year Maintenance of Nursery Cost (25% Procurement of Tall Plants)	Nos	0.0005																
2	1st Year	Ha	0.463															14164.00	8.207
3	2nd Year	Ha	0.509															141.640	71.758
4	3rd Year	Ha	0.139	41.64	6.958													141.640	78.935
5	4th Year	Ha	0.153	50.00	8.425	41.64	7.654											141.640	21.579
6	5th Year	Ha	0.169	50.00	8.425	50.000	9.268	41.64	8.420									141.640	23.738
7	6th Year	Ha	0.185			50.000	9.268	50.000	10.194	41.64	9.262							141.640	26.112
8	7th Year	Ha	0.204					50.000	10.195	50.000	11.214	41.64	10.188					141.640	28.723
9	8th Year	Ha	0.224							50.000	11.214	50.000	12.335	41.64	11.207			141.640	31.596
10	9th Year	Ha	0.247									50.000	13.569	50.000	14.802	41.64	12.328	141.640	34.756
11	10th Year	Ha	0.271											50.000	16.283	50.000	16.283	100.000	32.565
12	11th Year	Ha	0.299													50.000	17.911	50.000	17.911
	Sub Total :				23.808		26.189		28.808		31.690		36.092		42.292		46.521		416.580
V	Drilling of Bore wells (Incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.,)	No.s	2.00																
VI	Installation of Solar Pump sets incl. pipe line	No.s	5.50															8	16.800
VII	Construction of Watcher Sheds	No.s	3.50															8	46.200
	Sub Total :				0.00		0.00		0.00		0.00		0.00		0.00		0.00	1	3.500
VIII	SMC works (Mini PTS, CDs & RFDs)	Ha	2.00																66.500
IX	Intensification of Forest Management																	143.000	313.200
1	Watch Towers	Nos	10.000																
2	Fire Watchers (5 Months i.e. April, May, Jan, Feb & March) and 5 Members.	Nos	0.055	5	2.190	5	2.327	5	2.464	5	2.601	5	2.738	5	2.874	5	3.011	35	33.000
3	Fire Fighting Equipments	Ls	2.000		2.000		2.000		2.000		2.000		2.000		2.000		2.000		26.000
4	Creation of Firelines 3mtrs Wide	Rmt	0.000048																
5	Maint. Of Fire Lines	Rmt	0.000036	3000	0.171	3000	0.182	3000	0.193	3000	0.203	3000	0.214	3000	0.225	3000	0.235	3000	2.109
	Sub Total :				4.361		4.509		4.656		4.804		4.952		5.099		5.247		89.722
X	Forest Protection																		
1	Chain Link mesh & RCC poles	Km	16.000																
2	Construction of Gate (1No. For 1 site)	No.s	3.00															6.95	111.200
3	Hiring of Vehicles for monitoring of works in CA areas by the Divisional Forest Officer & (2) FROs. 12 M x 0.30 = 3.60 lakhs/	No.s	3.600		0.00		0.00		0.00		0.00		0.000		0.000		0.000	3	64.800
5	Protection Watchers 6 Members for 12 Months.	Nos	0.055	6	0.558	6	0.591	6	0.624	6	0.690	6	0.723	6	0.756	6	0.788	6	7.260
6	Publicity & Awareness	Ls	35.00																
7	Training / Facilitation Charges	Ls	25.00																35.000
	Sub Total :				0.558		0.591		0.624		0.690		0.723		0.756		0.788		25.000
	Total :				28.728		31.289		34.089		37.183		41.767		48.147		52.556		246.260
	Admin Cost for @ 10% on plantation & SMC works (purchase of Computers, stationery and Renumeration of DEOs, & Technical Assistants and other contingencies)				2.381		2.619		2.881		3.169		3.609		4.229		4.652		167.044
	Gr. Total :				31.108		33.908		36.970		40.352		45.376		52.376		57.208		2239.961
	* Adv. Operations, Raising of Plantations & Mainte																		

* Adv. Operations, Raising of Plantations & Mainte

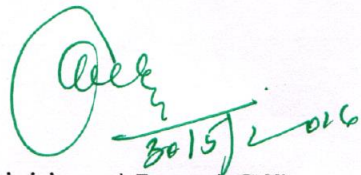
30.5.16
Divisional Forest Officer
MAHABUBNAGAR.

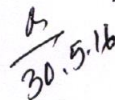
Sd/-
Divisional Forest Officer (T)
Mahabubnagar.

SOIL SUITABLE CERTIFICATE (Scheme-A)

It is to certify that, I have inspected the site in **Sy. No. 145 & 247 of Pullagiri Village at Thimmajipet Mandal of Wanaparthy Range** for treatment under compensatory afforestation.

The site consists of hillock and boulder intermittent with soil patches which are eroded and the top soil is lost. Out of **192.99 Ha** the area suitability for BHA planting/Gap planting in **122.36 Ha** by trench cum pit method (Barren Hill Afforestation), with species like **Azadirachta Indica** (Vepa), **Cassia Fistula** (Rela), **Butea monosperma** (Moduga), **Albizia amara** (Narlinga), etc... The remaining area will be treated with SMC works.


Divisional Forest Officer,
Mahabubnagar.


30.5.16

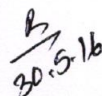
SOIL SUITABLE CERTIFICATE (Scheme - B)

It is to certify that, I have inspected the site in **Sy. No. 100 of Nagilla Village** in **Madgul Mandal of Amangal Range** for treatment under compensatory afforestation.

The site consists of hillock and boulder intermittent with soil patches which are eroded and the top soil is lost. Out of **145.18 Ha** the area suitability for BHA planting/Gap planting in **141.64 Ha** by trench cum pit method (Barren Hill Afforestation), with species like **Albizia amara** (Narlinga), **Azadirachta Indica** (Vepa), **Butea monosperma** (Moduga), **Cassia Fistula** (Rela), etc.,. The remaining area will be treated with SMC works.

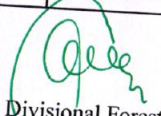

30/5/2016

Divisional Forest Officer,
Mahabubnagar.


30/5/16

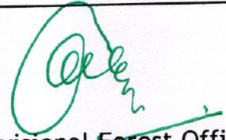
CA lands in Mahabubnagar (T) Division for Tourism Project in Hyderabad

Sl. No	Division	Mandal	CA Land Name	Area Surveyed for Project (in Ha)	Area Suitable for Project (in Ha)	Perimeter in mtrs	Drilling of Bore wells in No.s	Installation of Solar pump sets in No.s	Constn. of watch r sheds	Adv operations in 2016-17		Adv operations in 2017-18		Adv operations in 2018-19		Adv operations in 2019-20		Total Area in Ha	
										BHA		BHA		BHA		BHA		Adv operations in Ha	
										Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	Adv operations in Ha	Removal of Boulders @ 30% area (in Cum)	BHA	Removal of Boulders @ 30% area (in Cum)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Mahabubnagar	Thimmajipet	Pullagiri, Sy. No. 145.	138.27	87.36	9514.35	4	4	1	30.00	3600.00	30.00	3600.00	27.36	3283.20	0.00	0.00	87.36	10483.20
2	Mahabubnagar	Thimmajipet	Pullagiri, Sy. No. 247.	54.72	35.00	4185.64	2	2	1	10.00	1200.00	10.00	1200.00	15.00	1800.00	0.00	0.00	35.00	4200.00
			Project - A Total :	192.99	122.36	13699.99	6	6	2	40.00	4800.00	40.00	4800.00	42.36	5083.20	0.00	0.00	122.36	14683.20
3	Mahabubnagar	Madgul	Nagilla - Sy. No. 100	145.18	141.64	6936.07	8	8	1	50.00	6000.00	50.00	6000.00	41.64	4996.80	0.00	0.00	141.64	16996.80
			Project - B Total :	145.18	141.64	6936.07	8	8	1	50.00	6000.00	50.00	6000.00	41.64	4996.80	0.00	0.00	141.64	16996.80
Grand Total				338.17	264.00	20636.06	14	14	3	90.00	10800.00	90.00	10800.00	84.00	10080.00	0.00	0.00	264.00	31680.00


 Divisional Forest Officer,
 Mahabubnagar.
 30.5.16

BARREN HILL AFFORESTRATION MODEL.Annex - 3 CABSTRACT

1	Advance operations (Plantations) (2016-17)	282597.00
2	Raising (2017-18)	168870.00
3	1st year Maint. (2018-19)	46305.00
4	2nd year Maint. (2019-20)	50936.00
5	3rd year Maint. (2020-21)	13925.00
6	4th year Maint. (2021-22)	15318.00
7	5th year Maint. (2022-23)	16850.00
8	6th year Maint. (2023-24)	18535.00
9	7th year Maint. (2024-25)	20389.00
10	8th year Maint. (2025-26)	22428.00
11	9th year Maint. (2026-27)	24671.00
12	10th year Maint. (2027-28)	27138.00
13	11th year Maint. (2028-29)	29852.00
GRAND TOTAL :		656153.00


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