

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
NTPC RESERVIOR AND ASH DYKE
Financial Year 2021-22 to 2030-31

Name of Scheme	Compensatory Afforestation Scheme	
Name of Site	Brinda	Gross Area : 23.13 ha.
Thana & Thana No.	Tandwa-36	Net Area : 20.48 ha.
Name of Range	Tandwa Range	No. of Plants : 1666 /ha.
Name of Block	Tandwa	Total Fencing : 123.00 Chain
Plot No. -	101	Wages Rate : 321.82 /MD
		Spacing : 3m x 2m

Sl No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)			Remarks	
		Unit	MD (No)	Wages (Rs)	Material (Rs)	Total	Wages (Rs)	Material (Rs)		Total Rs
1	2	3	4	5	6	7	8	9	10	11
A	Advance work 1st Year									
1	Survey and Demarcation	ha	3.00	965.46	0.00	965.46	19772.62	0.00	19772.62	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	46136.12	0.00	46136.12	
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (6Chain/ha)	chain	2.00	643.64	1963.79	2607.43	79167.72	241546.17	320713.89	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	240566.89	0.00	240566.89	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	108749.41	0.00	108749.41	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	81694.72	81694.72	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	17700.10	0.00	17700.10	362498.05	0.00	362498.05	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	164771.84	0.00	164771.84	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	65908.74	0.00	65908.74	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	350930.45	0.00	350930.45	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	3072.00	3072.00	
	Total		155.00	49882.10	6102.79	55984.89	1438501.83	326312.89	1764814.72	
12	As per condition no. 2(b) Vide MoEF Letter no. FP/JH/TRANS/ 35719/2013/3221 dated 18.06.2019 Construction of forest Boundary Pillar (Per Pillar @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	90.00	0.00	0.00	0.00	0.00	583920.00	583920.00	
	Total			49882.10	6102.79	55984.89	1438501.83	910232.89	2348734.72	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	162959.35	0.00	162959.35	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	276651.92	0.00	276651.92	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	314549.44	0.00	314549.44	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	18208.58	0.00	18208.58	
5	Protection of Plants.		275.00	101775.58	0.00	101775.58	101775.58	0.00	101775.58	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	48435.20	48435.20	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	3072.00	3072.00	
	Total :-		374.90	138747.87	2515.00	141262.87	874144.86	51507.20	925652.06	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	200477.90	0.00	200477.90
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	38756.35	38756.35
3	Protection		365.00	155346.54	0.00	155346.54	155346.54	0.00	155346.54
4	Fencing repair	ha	1.00	425.61	0.00	425.61	52349.65	0.00	52349.65
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	26149.29	5939.20	32088.49
Total :-			392.00	166837.92	2182.40	169020.32	434323.38	44695.55	479018.93
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	230549.58	0.00	230549.58
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	26624.00	26624.00
3	Protection		365.00	178648.52	0.00	178648.52	178648.52	0.00	178648.52
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	30071.68	5939.20	36010.88
Total :-			391.00	191374.17	1590.00	192964.17	439269.78	32563.20	471832.98
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	265132.02	0.00	265132.02
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	10240.00	10240.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	69232.42	0.00	69232.42
4	Protection		365.00	205445.79	0.00	205445.79	205445.79	0.00	205445.79
Total :-			389.00	218954.56	500.00	219454.56	539810.23	10240.00	550050.23
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		365.00	236262.66	0.00	236262.66	236262.66	0.00	236262.66
Total :-			365.00	236262.66	0.00	236262.66	236262.66	0.00	236262.66
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		365.00	271702.06	0.00	271702.06	271702.06	0.00	271702.06
Total :-			365.00	271702.06	0.00	271702.06	271702.06	0.00	271702.06
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		365.00	312457.37	0.00	312457.37	312457.37	0.00	312457.37
Total :-			365.00	312457.37	0.00	312457.37	312457.37	0.00	312457.37
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		365.00	359325.98	0.00	359325.98	359325.98	0.00	359325.98
Total :-			365.00	359325.98	0.00	359325.98	359325.98	0.00	359325.98
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		365.00	413224.88	0.00	413224.88	413224.88	0.00	413224.88
Total :-			365.00	413224.88	0.00	413224.88	413224.88	0.00	413224.88

ABSTRACT			
Work & Year	Wages	Materials	Total
Advance work 1st Year	1438501.83	910232.89	2348734.72
Completion Work (2nd Year)	874144.86	51507.20	925652.06
Maintenance Work (3rd Year)	434323.38	44695.55	479018.93
Maintenance Work (4th Year)	439269.78	32563.20	471832.98
Maintenance Work (5th Year)	539810.23	10240.00	550050.23
Maintenance Work (6th Year)	236262.66	0.00	236262.66
Maintenance Work (7th Year)	271702.06	0.00	271702.06
Maintenance Work (8th Year)	312457.37	0.00	312457.37
Maintenance Work (9th Year)	359325.98	0.00	359325.98
Maintenance Work (10th Year)	413224.88	0.00	413224.88
Total	5319023.05	1049238.84	6368261.89
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			38140.97
Grand Total			6406402.86
Or Say -			6406403.00

Rs. Sixty four lakh six thousand four hundred three only.

Note :-

- Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- Trench repair is as per S.O.R. of forest departmental estimate.
- Provision of cattle watcher is as per S.O.R.

Submitted by

Range Forest Officer,
Tandwa Range.

Countersigned By

Divisional Forest Officer,
Chatra South Forest Division.