

Forest, Environment & Climate Change Department, Jharkhand
Hazaribag East Forest Division

Name of Scheme **RDF Plantation Under Compensatory Afforestation Scheme (CAMPA)**
 Name of Agency **132 KV Saria- Bishnugarh Transmission Line (Diverted Area 56.988 ha.)**
 Name of Range **BGODAR**
 Name of Thana/ Thana no. **BAGODAR/121** Gross Area of Site (ha) **48.82**
 Name of Site **BHELWA** Net Area of Site (ha) **45.000**
 Khata/ Plot no. **1, 8, 10, 15P & 16P** Length of fencing **297 Chanin**

Wage Rate (Rs./Mandays) **314.96** No. of plants/ha **1000**
 Spacing **3mx3m, 2mx2m, 3mx2m**

Sl. No.	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
1	2	3	4	5	6	7	8	9
I	Advance Work (1st Year) 2021-22							
1	Survey & Demarcation	ha	3	0.00	42519.60	0.00	42519.60	
2	Site Clearance	ha	7	0.00	99212.40	0.00	99212.40	
3	Trench Fencing- 1.83mx1.22mx1.22m by hydraulic machine. (Add GST 18% (1963.79+1963.79 x 18% = 2317.27)	Chain	2	2317.27	187086.24	688229.19	875315.43	
4	Soil Work -Pit digging 0.30mx.30mx0.30m	ha	22	0.00	311810.40	0.00	311810.40	
5	Soil & Water Conservation work- Gully Plugging, Silt Detention Dam, Contour Trench Works etc.	ha	45	0.00	637794.00	0.00	637794.00	
6	Nursery (part)- Raising of plants including watering, maintenance & protection	ha	10	0.00	141732.00	0.00	141732.00	
7	Materials- Polythene bag, Seeds, Fertilizers, Manures, Chemicals, Fencing material etc. . (Add GST 18% (2400 + 2400 x 18% = 2832.00)	ha	0	2832.00	0.00	127440.00	127440.00	
8	Miscellaneous Works- Sign Boards, Photography etc. . (Add GST 18% (150+150 x 18% = 177.00)	ha	0	177.00	0.00	7965.00	7965.00	
9	Contingency	2%	0	0.00	0.00	0.00	44875.78	
	Sub-Total		89	5326.27	1420154.64	823634.19	2288664.61	
	Total:-						2288664.61	
II	Completion Work (2nd Year) 2022-23			362.204				
1	Nursery (part) including watering sorting, seed sowing, maintenance & protection	ha	13	0.00	211889.34	0.00	211889.34	
2	Planting	ha	22.00	0.00	358581.96	0.00	358581.96	
3	Two Weeding and Hoeing	ha	25.00	0.00	407479.50	0.00	407479.50	
4	Seed Sowing on Trench Berm (105 Chain)	ha	2	0.00	76062.84	0.00	76062.84	
5	Protection of plants	site	275	0.00	99606.10	0.00	99606.10	

SOURAV CHANDRA
 Divisional Forest Officer
 Hazaribag East Forest Division

1	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2	3	4	5	6	7	8	9	
6	Materials- Seeds, Fertilizers, manures, Chemicals etc.. (Add GST 18% $(1575+1575 \times 18\% = 1858.50)$)	ha	0	1858.50	0.00	83632.50	83632.50	
7	Miscellaneous Works- Sign Boards, Photography etc.. (Add GST 18% $(150+150 \times 18\% = 177.00)$)	ha	0	177.00	0.00	7965.00	7965.00	
8	Contingency	2%	0	0.00	0.00	0.00	24904.34	
	Total		337.00	2035.50	1153619.74	91597.50	1270121.58	
9	Entry Point Activities (15% Total Cost of Advance work + Completion work)						533817.93	
	Total:-						1803939.51	
III	Maintenance Work (3rd Year) 2023-24			416.53				
1	One Weeding and Hoeing	ha	14	0.00	262416.80	0.00	262416.80	
2	Fertilizer etc . (Add GST 18% $(785+785 \times 18\% = 926.30)$)	ha	0	926.30	0.00	41683.50	41683.50	
3	Protection of plants	site	365	0.00	152035.13	0.00	152035.13	
4	Fencing Repair	Chain	1	0.00	123710.78	0.00	123710.78	
5	Casualty Replacement etc . (Add GST 18% $(474.76+474.76 \times 18\% = 560.22)$)	ha	2	560.22	37488.11	25209.90	62698.01	
6	Contingency	2%	0	0.00	0.00	0.00	12850.88	
	Total		382.00	1486.52	575650.82	66893.40	655395.10	
IV	Maintenance Work (4th Year) 2024-25			479.01				
1	One Weeding and Hoeing	ha	14	0.00	301779.32	0.00	301779.32	
2	Fertilizer etc . (Add GST 18% $(785+785 \times 18\% = 926.30)$)	ha	0	926.30	0.00	41683.50	41683.50	
3	Protection of plants	site	365	0.00	174840.40	0.00	174840.40	
4	Casualty Replacement etc . (Add GST 18% $(474.76+474.76 \times 18\% = 560.22)$)	ha	2	560.22	43111.33	25209.90	68321.23	
5	Contingency	2%	0	0.00	0.00	0.00	11732.49	
	Total		381.00	1486.52	519731.05	66893.40	598356.94	
V	Maintenance Work (5th Year) 2025-26			550.87				
1	One Weeding and Hoeing	ha	14.00	0.00	347046.22	0.00	347046.22	
2	Fertilizer etc . (Add GST 18% $(300+300 \times 18\% = 354.00)$)	ha	0	354.00	0.00	15930.00	15930.00	
3	Protection of plants	site	365	0.00	201066.46	0.00	201066.46	
4	Fencing Repair	Chain	1	0.00	163607.50	0.00	163607.50	
5	Contingency	2%	0	0.00	0.00	0.00	14553.00	
	Total		380.00	354.00	711720.17	15930.00	742203.18	
VI	Maintenance Work (6th Year) 2026-27			633.50				
1	Protection of plants	site	365	0.00	231226.43	0.00	231226.43	
2	Contingency	2%	0	0.00	0.00	0.00	4624.53	
	Total		365.00	0.00	231226.43	0.00	235850.96	
VII	Maintenance Work (7th Year) 2027-28			728.52				
1	Protection of plants	site	365	0.00	265910.39	0.00	265910.39	
2	Contingency	2%	0	0.00	0.00	0.00	5318.21	

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1	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2	3	4	5	6	7	8	9	
	Total		365.00	0.00	265910.39	0.00	271228.60	
VIII	Maintenance Work (8th Year) 2028-29			837.80				
1	Protection of plants	site	365	0.00	305796.95	0.00	305796.95	
2	Contingency	2%	0	0.00	0.00	0.00	6115.94	
	Total		365.00	0.00	305796.95	0.00	311912.89	
IX	Maintenance Work (9th Year) 2029-30			963.47				
1	Protection of plants	site	365	0.00	351666.49	0.00	351666.49	
2	Contingency	2%	0	0.00	0.00	0.00	7033.33	
	Total		365.00	0.00	351666.49	0.00	358699.82	
X	Maintenance Work (10th Year) 2030-21			1107.99				
1	Protection of plants	site	365	0.00	404416.47	0.00	404416.47	
2	Contingency	2%	0	0.00	0.00	0.00	8088.33	
	Total		365.00	0.00	404416.47	0.00	412504.79	
	Grand Total:-		3394.00	10688.81	5939893.14	1064948.49	7144938.47	

Note :- 1. Estimate prepared on basis of PCCF Development Office order no. 22 dated 19.06.2018
2. 15% wage enhancement for every year

ABSTRACT						
S.N.	Work & Year		Wages (Rs.)	Materials (Rs.)	Contingency	Total Amount
I	Advance Work (1st Year) 2021-22		1420154.64	823634.19	44875.78	2288664.61
II	Completion Work (2nd Year) 2022-23		1153619.74	91597.50	24904.34	1270121.58
III	Maintenance Work (3rd Year) 2023-24		575650.82	66893.40	12850.88	655395.10
IV	Maintenance Work (4th Year) 2024-25		519731.05	66893.40	11732.49	598356.94
V	Maintenance Work (5th Year) 2025-26		711720.17	15930.00	14553.00	742203.18
VI	Maintenance Work (6th Year) 2026-27		231226.43	0.00	4624.53	235850.96
VII	Maintenance Work (7th Year) 2027-28		265910.39	0.00	5318.21	271228.60
VIII	Maintenance Work (8th Year) 2028-29		305796.95	0.00	6115.94	311912.89
IX	Maintenance Work (9th Year) 2029-30		351666.49	0.00	7033.33	358699.82
X	Maintenance Work (10th Year) 2030-21		404416.47	0.00	8088.33	412504.79
	Sub Total:-		5939893.14	1064948.49	140096.83	7144938.47
	Entry Point Activities (15% Total Cost of Advance work+ Completion work)					533817.93
	Grand Total:-					7678756.40
	Or Say					7678756.00


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 I.F.S.
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Name of Scheme

RDF Plantation Under Compensatory Afforestation Scheme (CAMPA)

Name of Agency

132 KV Saria- Bishnugarh Transmission Line (Diverted Area 56.988 ha.)

Name of Range

BGODAR

Name of Thana/ Thana no.

BAGODAR/28

Gross Area of Site (ha)

74.97

Name of Site

NAGARKESHWARI

Net Area of Site (ha)

70.000

Khata/ Plot no.

2, 17, 21, 22, 23P, 24P, 25, 26, & 27

Length of fencing

552 Chanin

Wage Rate (Rs./Mandays)

314.96

No. of plants/ha

1000

Spacing

3mx3m, 2mx2m, 3mx2m

Sl. No.	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
1	2	3	4	5	6	7	8	9
I	Advance Work (1st Year) 2021-22							
1	Survey & Demarcation	ha	3	0.00	66141.60	0.00	66141.60	
2	Site Clearance	ha	7	0.00	154330.40	0.00	154330.40	
3	Trench Fencing- 1.83mx1.22mx1.22m by hydraulic machine. (Add GST 18% (1963.79+1963.79 x 18% = 2317.27)	Chain	2	2317.27	347715.84	1279133.04	1626848.88	
4	Soil Work -Pit digging 0.30mx.30mx0.30m	ha	22	0.00	485038.40	0.00	485038.40	
5	Soil & Water Conservation work- Gully Plugging, Silt Detention Dam, Contour Trench Works etc.	ha	45	0.00	992124.00	0.00	992124.00	
6	Nursery (part)- Raising of plants including watering, maintenance & protection	ha	10	0.00	220472.00	0.00	220472.00	
7	Materials- Polythene bag, Seeds, Fertilizers, Manures, Chemicals, Fencing material etc. . (Add GST 18% (2400 + 2400 x 18% = 2832.00)	ha	0	2832.00	0.00	198240.00	198240.00	
8	Miscellaneous Works- Sign Boards, Photography etc. . (Add GST 18% (150+150 x 18% = 177.00)	ha	0	177.00	0.00	12390.00	12390.00	
9	Contingency	2%	0	0.00	0.00	0.00	75111.71	
	Sub-Total		89	5326.27	2265822.24	1489763.04	3830696.99	
							Total:-	3830696.99
II	Completion Work (2nd Year) 2022-23							
				362.204				
1	Nursery (part) including watering sorting, seed sowing, maintenance & protection	ha	13	0.00	329605.64	0.00	329605.64	
2	Planting	ha	22.00	0.00	557794.16	0.00	557794.16	
3	Two Weeding and Hoeing	ha	25.00	0.00	633857.00	0.00	633857.00	
4	Seed Sowing on Trench Berm (105 Chain)	ha	2	0.00	76062.84	0.00	76062.84	
5	Protection of plants	site	550	0.00	199212.20	0.00	199212.20	

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		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2	3	4	5	6	7	8	9	
6	Materials- Seeds, Fertilizers, manures, Chemicals etc.. (Add GST 18% $(1575+1575 \times 18\% = 1858.50)$)	ha	0	1858.50	0.00	130095.00	130095.00	
7	Miscellaneous Works- Sign Boards, Photography etc.. (Add GST 18% $(150+150 \times 18\% = 177.00)$)	ha	0	177.00	0.00	12390.00	12390.00	
8	Contingency	2%	0	0.00	0.00	0.00	38780.34	
	Total		612.00	2035.50	1796531.84	142485.00	1977797.18	
9	Entry Point Activities (15% Total Cost of Advance work + Completion work)						871274.12	
	Total:-						2849071.30	
III	Maintenance Work (3rd Year) 2023-24			416.53				
1	One Weeding and Hoeing	ha	14	0.00	408203.91	0.00	408203.91	
2	Fertilizer etc . (Add GST 18% $(785+785 \times 18\% = 926.30)$)	ha	0	926.30	0.00	64841.00	64841.00	
3	Protection of plants	site	730	0.00	304070.26	0.00	304070.26	
4	Fencing Repair	Chain	1	0.00	229927.10	0.00	229927.10	
5	Casualty Replacement etc . (Add GST 18% $(474.76+474.76 \times 18\% = 560.22)$)	ha	2	560.22	58314.84	39215.40	97530.24	
6	Contingency	2%	0	0.00	0.00	0.00	22091.45	
	Total		747.00	1486.52	1000516.11	104056.40	1126663.96	
IV	Maintenance Work (4th Year) 2024-25			479.01				
1	One Weeding and Hoeing	ha	14	0.00	469434.49	0.00	469434.49	
2	Fertilizer etc . (Add GST 18% $(785+785 \times 18\% = 926.30)$)	ha	0	926.30	0.00	64841.00	64841.00	
3	Protection of plants	site	730	0.00	349680.80	0.00	349680.80	
4	Casualty Replacement etc . (Add GST 18% $(474.76+474.76 \times 18\% = 560.22)$)	ha	2	560.22	67062.07	39215.40	106277.47	
5	Contingency	2%	0	0.00	0.00	0.00	19804.68	
	Total		746.00	1486.52	886177.36	104056.40	1010038.44	
V	Maintenance Work (5th Year) 2025-26			550.87				
1	One Weeding and Hoeing	ha	14.00	0.00	539849.67	0.00	539849.67	
2	Fertilizer etc . (Add GST 18% $(300+300 \times 18\% = 354.00)$)	ha	0	354.00	0.00	24780.00	24780.00	
3	Protection of plants	site	730	0.00	402132.92	0.00	402132.92	
4	Fencing Repair	Chain	1	0.00	304078.59	0.00	304078.59	
5	Contingency	2%	0	0.00	0.00	0.00	25416.82	
	Total		745.00	354.00	1246061.17	24780.00	1296258.00	
VI	Maintenance Work (6th Year) 2026-27			633.50				
1	Protection of plants	site	730	0.00	462452.85	0.00	462452.85	
2	Contingency	2%	0	0.00	0.00	0.00	9249.06	
	Total		730.00	0.00	462452.85	0.00	471701.91	
VII	Maintenance Work (7th Year) 2027-28			728.52				
1	Protection of plants	site	730	0.00	531820.78	0.00	531820.78	
2	Contingency	2%	0	0.00	0.00	0.00	10636.42	

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1	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2		3	4	5	6	7	8	9
	Total		730.00	0.00	531820.78	0.00	542457.20	
VIII	Maintenance Work (8th Year) 2028-29			837.80				
1	Protection of plants	site	730	0.00	611593.90	0.00	611593.90	
2	Contingency	2%	0	0.00	0.00	0.00	12231.88	
	Total		730.00	0.00	611593.90	0.00	623825.78	
IX	Maintenance Work (9th Year) 2029-30			963.47				
1	Protection of plants	site	730	0.00	703332.98	0.00	703332.98	
2	Contingency	2%	0	0.00	0.00	0.00	14066.66	
	Total		730.00	0.00	703332.98	0.00	717399.64	
X	Maintenance Work (10th Year) 2030-21			1107.99				
1	Protection of plants	site	730	0.00	808832.93	0.00	808832.93	
2	Contingency	2%	0	0.00	0.00	0.00	16176.66	
	Total		730.00	0.00	808832.93	0.00	825009.59	
	Grand Total:-		6589.00	10688.81	10313142.17	1865140.84	12421848.67	

Note :- 1. Estimate prepared on basis of PCCF Development Office order no. 22 dated 19.06.2018
2. 15% wage enhancement for every year

ABSTRACT					
S.N.	Work & Year	Wages (Rs.)	Materials (Rs.)	Contingency	Total Amount
I	Advance Work (1st Year) 2021-22	2265822.24	1489763.04	75111.71	3830696.99
II	Completion Work (2nd Year) 2022-23	1796531.84	142485.00	38780.34	1977797.18
III	Maintenance Work (3rd Year) 2023-24	1000516.11	104056.40	22091.45	1126663.96
IV	Maintenance Work (4th Year) 2024-25	886177.36	104056.40	19804.68	1010038.44
V	Maintenance Work (5th Year) 2025-26	1246061.17	24780.00	25416.82	1296258.00
VI	Maintenance Work (6th Year) 2026-27	462452.85	0.00	9249.06	471701.91
VII	Maintenance Work (7th Year) 2027-28	531820.78	0.00	10636.42	542457.20
VIII	Maintenance Work (8th Year) 2028-29	611593.90	0.00	12231.88	623825.78
IX	Maintenance Work (9th Year) 2029-30	703332.98	0.00	14066.66	717399.64
X	Maintenance Work (10th Year) 2030-21	808832.93	0.00	16176.66	825009.59
	Sub Total:-	10313142.17	1865140.84	243565.66	12421848.67
	Entry Point Activities (15% Total Cost of Advance work+ Completion work)				871274.12
	Grand Total:-				13293122.80
	Or Say				13293123.00


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