

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMP)
400 KV D/C North Karanpura to Gaya Transmission Line
Financial Year 2022-23 to 2031-32

Name of Scheme
Name of Site
Thana & Thana No.
Name of Range
Name of Block
Plot No. -

Compensatory Afforestation Scheme

Arudana
Chatra-235
Chatra Range
Chatra
1P, 2P, 25P, 26P

Gross Area : 53.04 ha.
Net Area : 40.00 ha.
No. of Plants : 1666 /ha.
Total Fencing : 318.00 Chain
Wages Rate : 326.85 /MD
Spacing : 3m x 2m

Sl No.	Particulars	Prescribed Rate				Total	Estimated Amount (As Per site)			Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)		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	980.55	0.00	980.55	39222.00	0.00	39222.00	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	91518.00	0.00	91518.00	
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) (5Chain/ha, 25 mandays/chain)	chain	318 x 25 = 7950 MD	0.00	0.00	0.00	2598457.50	0.00	2598457.50	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11930.03	0.00	11930.03	477201.00	0.00	477201.00	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	215721.00	0.00	215721.00	
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	159560.00	159560.00	
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	17976.75	0.00	17976.75	719070.00	0.00	719070.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	326850.00	0.00	326850.00	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	130740.00	0.00	130740.00	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	6000.00	6000.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	974155.27	0.00	974155.27	
	Total		153.00	50008.05	4139.00	54147.05	5572934.77	165560.00	5738494.77	
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 @ 7457.00 + Per DGPS survey pillar @ 1306.49 Total- 8763.49) (Include GST)	No.	23	0.00	0.00	0.00	0.00	201560.27	201560.27	
	Total			50008.05	4139.00	54147.05	5572934.77	367120.27	5940055.04	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							375.88	
1	Nursery (Part) - night guard	ha	21.50	8081.37	0.00	8081.37	323254.65	0.00	323254.65	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	548781.15	0.00	548781.15	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	623956.65	0.00	623956.65	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	30070.20	0.00	30070.20	
5	Protection of Plants.		275.00	103366.31	0.00	103366.31	103366.31	0.00	103366.31	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	94600.00	94600.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	6000.00	6000.00	
	Total :-		376.50	141517.88	2515.00	144032.88	1629428.96	100600.00	1730028.96	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							432.26	
1	One Weeding	ha	23.00	9941.96	0.00	9941.96	397678.40	0.00	397678.40	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	75696.00	75696.00	

3	Protection		365.00	157774.58	0.00	157774.58	157774.58	0.00	157774.58
4	Fencing repair	ha	1.00	432.26	0.00	432.26	137458.40	0.00	137458.40
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	51871.10	11600.00	63471.10
Total :-			392.00	169445.58	2182.40	171627.98	744782.47	87296.00	832078.47
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							497.10
1	One Weeding and One Hoeing	ha	23.00	11433.25	0.00	11433.25	457330.15	0.00	457330.15
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	52000.00	52000.00
3	Protection		365.00	181440.77	0.00	181440.77	181440.77	0.00	181440.77
4	Casualty Replacement	ha	3.00	1491.29	290.00	1781.29	59651.76	11600.00	71251.76
Total :-			391.00	194365.32	1590.00	195955.32	698422.68	63600.00	762022.68
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							571.66
1	One Weeding and Hoeing	ha	23.00	13148.24	0.00	13148.24	525929.68	0.00	525929.68
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	20000.00	20000.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	181788.74	0.00	181788.74
4	Protection		365.00	208656.88	0.00	208656.88	208656.88	0.00	208656.88
Total :-			389.00	222376.79	500.00	222876.79	916375.30	20000.00	936375.30
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							657.41
1	Protection		365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
Total :-			365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							756.02
1	Protection		365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
Total :-			365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							869.43
1	Protection		365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
Total :-			365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							999.84
1	Protection		365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
Total :-			365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1149.82
1	Protection		365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52
Total :-			365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52

ABSTRACT

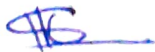
Work & Year	Wages	Materials	Total
Advance work 1st Year	5572934.77	367120.27	5940055.04
Completion Work (2nd Year)	1629428.96	100600.00	1730028.96
Maintenance Work (3rd Year)	744782.47	87296.00	832078.47
Maintenance Work (4th Year)	698422.68	63600.00	762022.68
Maintenance Work (5th Year)	916375.30	20000.00	936375.30
Maintenance Work (6th Year)	239955.42	0.00	239955.42
Maintenance Work (7th Year)	275948.73	0.00	275948.73
Maintenance Work (8th Year)	317341.04	0.00	317341.04
Maintenance Work (9th Year)	364942.19	0.00	364942.19
Maintenance Work (10th Year)	419683.52	0.00	419683.52
Total	11179815.08	638616.27	11818431.35
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			114950.93
Grand Total			11933382.27
Or Say -			11933382.00

Rs. One crore nineteen lakh thirty three thousand three hundred eighty two only.

Note :-

- 1 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
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted


Range Forest Officer,
Chatra Range.


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
400 KV D/C North Karanpura to Gaya Transmission Line
Financial Year 2022-23 to 2031-32

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Parbat Alias Barahmna	Gross Area	66.31 ha.
Thana & Thana No.	Chatra-213	Net Area	48.00 ha.
Name of Range	Chatra Range	No. of Plants	1666 /ha.
Name of Block	Chatra	Total Fencing	398.00 Chain
Plot No. -	306P, 308P	Wages Rate	326.85 /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	980.55	0.00	980.55	47066.40	0.00	47066.40	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	109821.60	0.00	109821.60	
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) (5Chain/ha, 25 mandays/chain)	chain	398 x 25 = 9950 MD	0.00	0.00	0.00	3252157.50	0.00	3252157.50	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11930.03	0.00	11930.03	572641.20	0.00	572641.20	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	258865.20	0.00	258865.20	
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	191472.00	191472.00	
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	17976.75	0.00	17976.75	862884.00	0.00	862884.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	392220.00	0.00	392220.00	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	156888.00	0.00	156888.00	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7200.00	7200.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1185986.61	0.00	1185986.61	
	Total		153.00	50008.05	4139.00	54147.05	6838530.51	198672.00	7037202.51	
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 @ 7457.00 + Per DGPS survey pillar @ 1306.49 Total- 8763.49) (include GST)	No.	37	0.00	0.00	0.00	0.00	324249.13	324249.13	
	Total			50008.05	4139.00	54147.05	6838530.51	522921.13	7361451.64	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							375.88	
1	Nursery (Part) - night guard	ha	21.50	8081.37	0.00	8081.37	387905.58	0.00	387905.58	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	658537.38	0.00	658537.38	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	748747.98	0.00	748747.98	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	36084.24	0.00	36084.24	
5	Protection of Plants.		275.00	103366.31	0.00	103366.31	103366.31	0.00	103366.31	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	113520.00	113520.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7200.00	7200.00	
	Total :-		376.50	141517.88	2515.00	144032.88	1934641.49	120720.00	2055361.49	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							432.26	
1	One Weeding	ha	23.00	9941.96	0.00	9941.96	477214.07	0.00	477214.07	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	90835.20	90835.20	

3	Protection		365.00	157774.58	0.00	157774.58	157774.58	0.00	157774.58
4	Fencing repair	ha	1.00	432.26	0.00	432.26	172039.13	0.00	172039.13
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	62245.31	13920.00	76165.31
Total :-			392.00	169445.58	2182.40	171627.98	869273.10	104755.20	974028.30
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						497.10
1	One Weeding and One Hoeing	ha	23.00	11433.25	0.00	11433.25	548796.19	0.00	548796.19
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	62400.00	62400.00
3	Protection		365.00	181440.77	0.00	181440.77	181440.77	0.00	181440.77
4	Casualty Replacement	ha	3.00	1491.29	290.00	1781.29	71582.11	13920.00	85502.11
Total :-			391.00	194365.32	1590.00	195955.32	801819.06	76320.00	878139.06
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						571.66
1	One Weeding and Hoeing	ha	23.00	13148.24	0.00	13148.24	631115.61	0.00	631115.61
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	24000.00	24000.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	227521.75	0.00	227521.75
4	Protection		365.00	208656.88	0.00	208656.88	208656.88	0.00	208656.88
Total :-			389.00	222376.79	500.00	222876.79	1067294.25	24000.00	1091294.25
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						657.41
1	Protection		365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
Total :-			365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						756.02
1	Protection		365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
Total :-			365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						869.43
1	Protection		365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
Total :-			365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						999.84
1	Protection		365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
Total :-			365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1149.82
1	Protection		365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52
Total :-			365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	6838530.51	522921.13	7361451.64
Completion Work (2nd Year)	1934641.49	120720.00	2055361.49
Maintenance Work (3rd Year)	869273.10	104755.20	974028.30
Maintenance Work (4th Year)	801819.06	76320.00	878139.06
Maintenance Work (5th Year)	1067294.25	24000.00	1091294.25
Maintenance Work (6th Year)	239955.42	0.00	239955.42
Maintenance Work (7th Year)	275948.73	0.00	275948.73
Maintenance Work (8th Year)	317341.04	0.00	317341.04
Maintenance Work (9th Year)	364942.19	0.00	364942.19
Maintenance Work (10th Year)	419683.52	0.00	419683.52
Total	13129429.31	848716.33	13978145.64
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			152768.94
Grand Total			14130914.58
Or Say -			14130915.00

Rs. One crore forty one lakh thirty thousand nine hundred fifteen only.

Note :-

- 1 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
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted


Range Forest Officer,
Chatra Range.


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
400 KV D/C North Karanpura to Gaya Transmission Line
Financial Year 2022-23 to 2031-32

Name of Scheme
Name of Site
Thana & Thana No.
Name of Range
Name of Block
Plot No. -

Compensatory Afforestation Scheme

Tetaria
Gidhour66-235
Chatra Range
Gidhour
1445P, 1446P, 1447P

Gross Area : 82.00 ha.
Net Area : 50.00 ha.
No. of Plants : 1666 /ha.
Total Fencing : 492.00 Chain
Wages Rate : 326.85 /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	980.55	0.00	980.55	49027.50	0.00	49027.50	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	114397.50	0.00	114397.50	
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) (5Chain/ha, 25 mandays/chain)	chain	492 x 25 = 12300 MD	0.00	0.00	0.00	4020255.00	0.00	4020255.00	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11930.03	0.00	11930.03	596501.25	0.00	596501.25	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	269651.25	0.00	269651.25	
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	199450.00	199450.00	
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	17976.75	0.00	17976.75	898837.50	0.00	898837.50	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	408562.50	0.00	408562.50	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	163425.00	0.00	163425.00	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1329645.32	0.00	1329645.32	
	Total		153.00	50008.05	4139.00	54147.05	7850302.82	206950.00	8057252.82	
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 @ 7457.00 + Per DGPS survey pillar @ 1306.49 Total- 8763.49) (Include GST)	No.	29	0.00	0.00	0.00	0.00	254141.21	254141.21	
	Total			50008.05	4139.00	54147.05	7850302.82	461091.21	8311394.03	
B	Completion Work (2nd Year)								375.88	
				(Wages rate in 15% increase of per year.)						
1	Nursery (Part) - night guard	ha	21.50	8081.37	0.00	8081.37	404068.31	0.00	404068.31	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	685976.44	0.00	685976.44	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	779945.81	0.00	779945.81	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	37587.75	0.00	37587.75	
5	Protection of Plants.		275.00	103366.31	0.00	103366.31	103366.31	0.00	103366.31	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	118250.00	118250.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
	Total :-		376.50	141517.88	2515.00	144032.88	2010944.63	125750.00	2136694.63	
C	Maintenance Work (3rd Year)								432.26	
				(Wages rate in 15% increase of per year.)						
1	One Weeding	ha	23.00	9941.96	0.00	9941.96	497097.99	0.00	497097.99	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	94620.00	94620.00	

3	Protection		365.00	157774.58	0.00	157774.58	157774.58	0.00	157774.58
4	Fencing repair	ha	1.00	432.26	0.00	432.26	212671.49	0.00	212671.49
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	64838.87	14500.00	79338.87
Total :-			392.00	169445.58	2182.40	171627.98	932382.93	109120.00	1041502.93
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						497.10
1	One Weeding and One Hocking	ha	23.00	11433.25	0.00	11433.25	571662.69	0.00	571662.69
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	65000.00	65000.00
3	Protection		365.00	181440.77	0.00	181440.77	181440.77	0.00	181440.77
4	Casualty Replacement	ha	3.00	1491.29	290.00	1781.29	74564.70	14500.00	89064.70
Total :-			391.00	194365.32	1590.00	195955.32	827668.16	79500.00	907168.16
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						571.66
1	One Weeding and Hocking	ha	23.00	13148.24	0.00	13148.24	657412.10	0.00	657412.10
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	25000.00	25000.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	281258.04	0.00	281258.04
4	Protection		365.00	208656.88	0.00	208656.88	208656.88	0.00	208656.88
Total :-			389.00	222376.79	500.00	222876.79	1147327.02	25000.00	1172327.02
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						657.41
1	Protection		365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
Total :-			365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						756.02
1	Protection		365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
Total :-			365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						869.43
1	Protection		365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
Total :-			365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						999.84
1	Protection		365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
Total :-			365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1149.82
1	Protection		365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52
Total :-			365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52

ABSTRACT			
Work & Year	Wages	Materials	Total
Advance work 1st Year	7850302.82	461091.21	8311394.03
Completion Work (2nd Year)	2010944.63	125750.00	2136694.63
Maintenance Work (3rd Year)	932382.93	109120.00	1041502.93
Maintenance Work (4th Year)	827668.16	79500.00	907168.16
Maintenance Work (5th Year)	1147327.02	25000.00	1172327.02
Maintenance Work (6th Year)	239955.42	0.00	239955.42
Maintenance Work (7th Year)	275948.73	0.00	275948.73
Maintenance Work (8th Year)	317341.04	0.00	317341.04
Maintenance Work (9th Year)	364942.19	0.00	364942.19
Maintenance Work (10th Year)	419683.52	0.00	419683.52
Total	14386496.45	800461.21	15186957.66
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			144083.02
Grand Total			15331040.68
		Or Say -	15331041.00

Rs. One crore fifty three thousand thirty one thousand forty one only.

Note :-

- 1 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
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted

Range Forest Officer,
Chatra Range.

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
400 KV D/C North Karanpura to Gaya Transmission Line
Financial Year 2022-23 to 2031-32

Name of Scheme
Name of Site
Thana & Thana No.
Name of Range
Name of Block
Plot No. -

Compensatory Afforestation Scheme

Dahuri
Chatra-304
Chatra Range
Chatra
2304P, 2290P, 2289P,
2291P

Gross Area : 120.48 ha.
Net Area : 102.00 ha.
No. of Plants : 1666 /ha.
Total Fencing : 722.00 Chain
Wages Rate : 326.85 /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)	
1	2	3	4	5	6	7	8	9	10
A	Advance work 1st Year								
1	Survey and Demarcation	ha	3.00	980.55	0.00	980.55	100016.10	0.00	100016.10
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	233370.90	0.00	233370.90
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) (5Chain/ha, 25 mandays/chain)	chain	722 x 25 = 18050 MD	0.00	0.00	0.00	5899642.50	0.00	5899642.50
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	11930.03	0.00	11930.03	1216862.55	0.00	1216862.55
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	550088.55	0.00	550088.55
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	406878.00	406878.00
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	17976.75	0.00	17976.75	1833628.50	0.00	1833628.50
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	833467.50	0.00	833467.50
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	333387.00	0.00	333387.00
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	15300.00	15300.00
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	2351099.65	0.00	2351099.65
	Total		153.00	50008.05	4139.00	54147.05	13351563.25	422178.00	13773741.25
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 @ 7457.00 + Per DGPS survey pillar @ 1306.49 Total- 8763.49) (Include GST)	No.	107	0.00	0.00	0.00	0.00	937693.43	937693.43
	Total			50008.05	4139.00	54147.05	13351563.25	1359871.43	14711434.68
B	Completion Work (2nd Year)								375.88
				(Wages rate in 15% increase of per year.)					
1	Nursery (Part) - night guard	ha	21.50	8081.37	0.00	8081.37	824299.36	0.00	824299.36
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	1399391.93	0.00	1399391.93
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	1591089.46	0.00	1591089.46
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	76679.01	0.00	76679.01
5	Protection of Plants.		275.00	103366.31	0.00	103366.31	103366.31	0.00	103366.31
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	241230.00	241230.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	15300.00	15300.00
	Total :-		376.50	141517.88	2515.00	144032.88	3994826.07	256530.00	4251356.07
C	Maintenance Work (3rd Year)								432.26
				(Wages rate in 15% increase of per year.)					
1	One Weeding	ha	23.00	9941.96	0.00	9941.96	1014079.91	0.00	1014079.91
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	193024.80	193024.80

3	Protection		365.00	157774.58	0.00	157774.58	157774.58	0.00	157774.58
4	Fencing repair	ha	1.00	432.26	0.00	432.26	312091.09	0.00	312091.09
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	132271.29	29580.00	161851.29
Total :-			392.00	169445.58	2182.40	171627.98	1616216.87	222604.80	1838821.67
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							
1	One Weeding and One Hoeing	ha	23.00	11433.25	0.00	11433.25	1166191.89	0.00	1166191.89
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	132600.00	132600.00
3	Protection		365.00	181440.77	0.00	181440.77	181440.77	0.00	181440.77
4	Casualty Replacement	ha	3.00	1491.29	290.00	1781.29	152111.99	29580.00	181691.99
Total :-			391.00	194365.32	1590.00	195955.32	1499744.65	162180.00	1661924.65
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							
1	One Weeding and Hoeing	ha	23.00	13148.24	0.00	13148.24	1341120.68	0.00	1341120.68
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	51000.00	51000.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	412740.46	0.00	412740.46
4	Protection		365.00	208656.88	0.00	208656.88	208656.88	0.00	208656.88
Total :-			389.00	222376.79	500.00	222876.79	1962518.02	51000.00	2013518.02
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							
1	Protection		365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
Total :-			365.00	239955.42	0.00	239955.42	239955.42	0.00	239955.42
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							
1	Protection		365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
Total :-			365.00	275948.73	0.00	275948.73	275948.73	0.00	275948.73
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							
1	Protection		365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
Total :-			365.00	317341.04	0.00	317341.04	317341.04	0.00	317341.04
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							
1	Protection		365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
Total :-			365.00	364942.19	0.00	364942.19	364942.19	0.00	364942.19
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							
1	Protection		365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52
Total :-			365.00	419683.52	0.00	419683.52	419683.52	0.00	419683.52

ABSTRACT

Work & Year	Wages	Materials	Total
Advance work 1st Year	13351563.25	1359871.43	14711434.68
Completion Work (2nd Year)	3994826.07	256530.00	4251356.07
Maintenance Work (3rd Year)	1616216.87	222604.80	1838821.67
Maintenance Work (4th Year)	1499744.65	162180.00	1661924.65
Maintenance Work (5th Year)	1962518.02	51000.00	2013518.02
Maintenance Work (6th Year)	239955.42	0.00	239955.42
Maintenance Work (7th Year)	275948.73	0.00	275948.73
Maintenance Work (8th Year)	317341.04	0.00	317341.04
Maintenance Work (9th Year)	364942.19	0.00	364942.19
Maintenance Work (10th Year)	419683.52	0.00	419683.52
Total	24042739.75	2052186.23	26094925.98
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			369393.52
Grand Total			26464319.50
Or Say -			26464320.00

Rs. Two crore sixty four lakh sixty four thousand three hundred twenty only.

Note :-

- 1 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
- 2 P.C.C.F., Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted


Range Forest Officer,
Chatra Range.


Divisional Forest Officer,
Chatra South Forest Division.