

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme **Compensatory Afforestation Scheme**
Name of Site **Salgi**
Thana & Thana No. **Simaria- 95**
Name of Range **Simaria**
Name of Block **Simaria**
Plot No. - **37, 89, 951**

Gross Area : **70.00 ha.**
Net Area : **63.50 ha.**
No. of Plants : **1666 /ha.**
Total Fencing : **381.00 Chain**
Wages Rate : **405.71 /MD**
Spacing : **3m x 2m**

SI 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	1217.13	0.00	1217.13	77287.76	0.00	77287.76
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	180338.10	0.00	180338.10
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, 25 mandays/chain)	chain	381 x 25 = 9525 MD	0.00	0.00	0.00	3864387.75	0.00	3864387.75
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	940334.35	0.00	940334.35
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	425082.65	0.00	425082.65
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	253301.50	253301.50
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	22314.05	0.00	22314.05	1416942.18	0.00	1416942.18
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	644064.63	0.00	644064.63
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	257625.85	0.00	257625.85
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1723851.23	0.00	1723851.23
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9525.00	9525.00
Total			153.00	62073.63	4139.00	66212.63	9529914.49	262826.50	9792740.99
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.	34	0.00	0.00	0.00	0.00	297958.66	297958.66
Total				62073.63	4139.00	66212.63	9529914.49	560785.16	10090699.65
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	636979.91	0.00	636979.91
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	1081384.51	0.00	1081384.51
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	1229519.37	0.00	1229519.37
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	59253.95	0.00	59253.95
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	150177.50	150177.50
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	9525.00	9525.00
Total :-			651.50	303968.07	2515.00	306483.07	3263749.31	159702.50	3423451.81

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	783633.43	0.00	783633.43
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	120167.40	120167.40
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58
4	Fencing repair	ha	1.00	536.55	0.00	536.55	204426.11	0.00	204426.11
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	102213.06	18415.00	120628.06
Total :-			757.00	405169.47	2182.40	408351.87	1481955.17	138582.40	1620537.57
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	901178.44	0.00	901178.44
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	82550.00	82550.00
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	117545.01	18415.00	135960.01
Total :-			756.00	466477.85	1590.00	468067.85	1469158.42	100965.00	1570123.42
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	1036355.21	0.00	1036355.21
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	31750.00	31750.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	270353.53	0.00	270353.53
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21
Total :-			754.00	535030.35	500.00	535530.35	1824708.95	31750.00	1856458.95
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

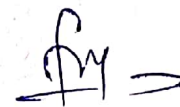
ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	9529914.49	560785.16	10090699.65
Completion Work (2nd Year)	3263749.31	159702.50	3423451.81
Maintenance Work (3rd Year)	1481955.17	138582.40	1620537.57
Maintenance Work (4th Year)	1469158.42	100965.00	1570123.42
Maintenance Work (5th Year)	1824708.95	31750.00	1856458.95
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	19577705.41	991785.06	20569490.47
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			118259.35
Grand Total			20687749.82
Or Say -			20687750.00

Rs. Two crore six lakh eighty seven thousand seven hundred fifty only.

Note :-

- Project period of scheme is for ten year as directed vide Forest & Environment Departmnet, 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.



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
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Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme **Compensatory Afforestation Scheme**
 Name of Site **Ramtunda**
 Thana & Thana No. **Chatra-138**
 Name of Range **Chatra**
 Name of Block **Chatra**
 Plot No. - **1781, 1790**

Gross Area : **100.00 ha.**
 Net Area : **93.33 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **560 Chain**
 Wages Rate : **405.71 /MD**
 Spacing : **3m x 2m**

SI 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	1217.13	0.00	1217.13	113594.74	0.00	113594.74
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	265054.40	0.00	265054.40
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, 25 mandays/chain)	chain	560 x 25 = 14000 MD	0.00	0.00	0.00	5679940.00	0.00	5679940.00
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	1382069.37	0.00	1382069.37
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	624771.09	0.00	624771.09
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	372293.37	372293.37
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	22314.05	0.00	22314.05	2082570.29	0.00	2082570.29
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	946622.86	0.00	946622.86
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	378649.14	0.00	378649.14
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	2515602.51	0.00	2515602.51
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	13999.50	13999.50
Total			153.00	62073.63	4139.00	66212.63	13988874.40	386292.87	14375167.27
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				62073.63	4139.00	66212.63	13988874.40	587853.14	14576727.54
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	936210.01	0.00	936210.01
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	1589379.78	0.00	1589379.78
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	1807103.03	0.00	1807103.03
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	87089.30	0.00	87089.30
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	220725.45	220725.45
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	13999.50	13999.50
Total :-			651.50	303968.07	2515.00	306483.07	4676393.70	234724.95	4911118.65

C Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)						536.55	
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	1151756.03	0.00	1151756.03
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	176617.69	176617.69
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58
4	Fencing repair	ha	1.00	536.55	0.00	536.55	300458.09	0.00	300458.09
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	150229.05	27065.70	177294.75
Total :-			757.00	406169.47	2182.40	408351.87	1994125.75	203683.39	2197809.14
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)							617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	1324519.44	0.00	1324519.44
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	121329.00	121329.00
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	172763.40	27065.70	199829.10
Total :-			756.00	466477.85	1590.00	468067.85	1947717.80	148394.70	2096112.50
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)							709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	1523197.35	0.00	1523197.35
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	46665.00	46665.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	397355.83	0.00	397355.83
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21
Total :-			754.00	535030.35	500.00	535530.35	2438553.39	46665.00	2485218.39
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)							816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)							938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)							1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)							1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)							1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

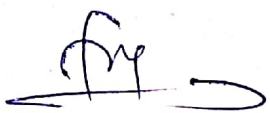
ABSTRACT

Work & Year	Wages	Materials	Total
Advance work 1st Year	13988874.40	587853.14	14576727.54
Completion Work (2nd Year)	4676393.70	234724.95	4911118.65
Maintenance Work (3rd Year)	1994125.75	203683.39	2197809.14
Maintenance Work (4th Year)	1947717.80	148394.70	2096112.50
Maintenance Work (5th Year)	2438553.39	46665.00	2485218.39
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	27053884.10	1221321.18	28275205.28
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			173813.31
Grand Total			28449018.59
Or Say -			28449019.00

Rs. Two crore eighty four lac forty nine thousand nineteen 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.


Divisional Forest Officer,
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Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme **Compensatory Afforestation Scheme**
Name of Site **Bukru**
Thana & Thana No. **Tandwa- 08**
Name of Range **Tandwa**
Name of Block **Tandwa**
Plot No. - **178, 687, 688, 685, 686,
682, 725, 727, 743, 746**

Gross Area : **65.00 ha.**
Net Area : **57.64 ha.**
No. of Plants : **1666 /ha.**
Total Fencing : **346 Chain**
Wages Rate : **405.71 /MD**
Spacing : **3m x 2m**

SI 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	1217.13	0.00	1217.13	70155.37	0.00	70155.37	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	163695.87	0.00	163695.87	
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, 25 mandays/chain)	chain	346 x 25 = 8646 MD	0.00	0.00	0.00	3507768.66	0.00	3507768.66	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	853557.04	0.00	853557.04	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	385854.55	0.00	385854.55	
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	229925.96	229925.96	
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	22314.05	0.00	22314.05	1286181.84	0.00	1286181.84	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	584628.11	0.00	584628.11	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	233851.24	0.00	233851.24	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1568320.42	0.00	1568320.42	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8646.00	8646.00	
Total			153.00	62073.63	4139.00	66212.63	8654013.11	238571.96	8892585.07	
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.	98	0.00	0.00	0.00	0.00	858822.02	858822.02	
Total				62073.63	4139.00	66212.63	8654013.11	1097393.98	9751407.09	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	578197.20	0.00	578197.20	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	981590.60	0.00	981590.60	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	1116055.06	0.00	1116055.06	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	53785.79	0.00	53785.79	
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	136318.60	136318.60	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	8646.00	8646.00	
Total :-			651.50	303968.07	2515.00	306483.07	2986240.22	144964.60	3131204.82	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55	
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	711317.02	0.00	711317.02	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	109077.94	109077.94	
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58	
4	Fencing repair	ha	1.00	536.55	0.00	536.55	185560.96	0.00	185560.96	
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	92780.48	16715.60	109496.08	
Total :-				757.00	406169.47	2182.40	408351.87	1381341.04	125793.54	1507134.58
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03	
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	818014.57	0.00	818014.57	
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	74932.00	74932.00	
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96	
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	106697.55	16715.60	123413.15	
Total :-				756.00	466477.85	1590.00	468067.85	1375147.09	91647.60	1466794.69
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59	
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	940716.76	0.00	940716.76	
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	28820.00	28820.00	
3	Fencing repair	ha	1.00	709.59	0.00	709.59	245404.37	0.00	245404.37	
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21	
Total :-				754.00	535030.35	500.00	535530.35	1704121.34	28820.00	1732941.34
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03	
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12	
Total :-				365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43	
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64	
Total :-				365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20	
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78	
Total :-				365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08	
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80	
Total :-				365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24	
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72	
Total :-				365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

ABSTRACT

Work & Year	Wages	Materials	Total
Advance work 1st Year	8654013.11	1097393.98	9751407.09
Completion Work (2nd Year)	2986240.22	144964.60	3131204.82
Maintenance Work (3rd Year)	1381341.04	125793.54	1507134.58
Maintenance Work (4th Year)	1375147.09	91647.60	1466794.69
Maintenance Work (5th Year)	1704121.34	28820.00	1732941.34
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	18109081.87	1488619.72	19597701.59
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			107345.97
Grand Total			19705047.55
Or Say -			19705048.00

Rs. One crore ninety seven lac five thousand forty eight 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.



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

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

Compensatory Afforestation Scheme
Lohra
Tandwa- 14
Tandwa
Tandwa
901, 990, 1008, 1010,
1013, 1095, 1096, 1097,
1102, 1103, 1104, 1105,

Gross Area : 80.00 ha.
 Net Area : 71.44 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 429 Chain
 Wages Rate : 405.71 /MD
 Spacing : 3m x 2m

1102, 1103, 1104, 1105,										
SI 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	1217.13	0.00	1217.13	86951.77	0.00	86951.77	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	202887.46	0.00	202887.46	
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, 25 mandays/chain)	chain	429 x 25 = 10716 MD	0.00	0.00	0.00	4347588.36	0.00	4347588.36	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	1057913.17	0.00	1057913.17	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	478234.72	0.00	478234.72	
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	284974.16	284974.16	
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	22314.05	0.00	22314.05	1594115.73	0.00	1594115.73	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	724598.06	0.00	724598.06	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	289839.22	0.00	289839.22	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1934587.52	0.00	1934587.52	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	10716.00	10716.00	
Total			153.00	62073.63	4139.00	66212.63	10716716.01	295690.16	11012406.17	
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.	67	0.00	0.00	0.00	0.00	587153.83	587153.83	
Total				62073.63	4139.00	66212.63	10716716.01	882843.99	11599560.00	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	716627.48	0.00	716627.48	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	1216600.14	0.00	1216600.14	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	1383257.70	0.00	1383257.70	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	66663.02	0.00	66663.02	
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	168955.60	168955.60	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	10716.00	10716.00	
Total :-			651.50	303968.07	2515.00	306483.07	3639759.92	179671.60	3819431.52	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55	
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	881618.46	0.00	881618.46	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	135193.06	135193.06	
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58	
4	Fencing repair	ha	1.00	536.55	0.00	536.55	229987.42	0.00	229987.42	
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	114993.71	20717.60	135711.31	
Total :-			757.00	406169.47	2182.40	408351.87	1618282.17	155910.66	1774192.83	
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03	
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	1013861.23	0.00	1013861.23	
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	92872.00	92872.00	
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96	
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	132242.77	20717.60	152960.37	
Total :-			756.00	466477.85	1590.00	468067.85	1596538.96	113589.60	1710128.56	
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59	
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	1165940.41	0.00	1165940.41	
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	35720.00	35720.00	
3	Fencing repair	ha	1.00	709.59	0.00	709.59	304158.37	0.00	304158.37	
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21	
Total :-			754.00	535030.35	500.00	535530.35	1988098.99	35720.00	2023818.99	
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03	
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12	
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12	
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43	
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64	
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64	
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20	
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78	
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78	
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08	
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80	
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80	
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24	
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72	
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72	

ABSTRACT

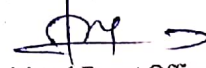
Work & Year	Wages	Materials	Total
Advance work 1st Year	10716716.01	882843.99	11599560.00
Completion Work (2nd Year)	3639759.92	179671.60	3819431.52
Maintenance Work (3rd Year)	1618282.17	155910.66	1774192.83
Maintenance Work (4th Year)	1596538.96	113589.60	1710128.56
Maintenance Work (5th Year)	1988098.99	35720.00	2023818.99
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	21567615.11	1367735.85	22935350.96
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			133046.43
Grand Total			23068397.39
Or Say -			23068397.00

Rs. Two crore thirty lac sixty eight thousand three hundred ninety seven 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.

Countersigned By


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme **Compensatory Afforestation Scheme**
 Name of Site **Babne Sajna**
 Thana & Thana No. **Chatra- 173-191**
 Name of Range **Chatra**
 Name of Block **Chatra**
 Plot No. - **1P, 2, 3, 5, 29, 42, 94**

Gross Area : **50.00 ha.**
 Net Area : **39.04 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **234 Chain**
 Wages Rate : **405.71 /MD**
 Spacing : **3m x 2m**

SI 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	1217.13	0.00	1217.13	47516.76	0.00	47516.76	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	110872.43	0.00	110872.43	
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, 25 mandays/chain)	chain	234 x 25 = 5856 MD	0.00	0.00	0.00	2375837.76	0.00	2375837.76	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	578120.52	0.00	578120.52	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	261342.15	0.00	261342.15	
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	155730.56	155730.56	
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	22314.05	0.00	22314.05	871140.51	0.00	871140.51	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	395972.96	0.00	395972.96	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	158389.18	0.00	158389.18	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1074656.06	0.00	1074656.06	
11	Miscellaneous works (Photography,Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	5856.00	5856.00	
	Total		153.00	62073.63	4139.00	66212.63	5873848.34	161586.56	6035434.90	
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.	31	0.00	0.00	0.00	0.00	271668.19	271668.19	
	Total			62073.63	4139.00	66212.63	5873848.34	433254.75	6307103.09	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	391617.26	0.00	391617.26	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	664838.60	0.00	664838.60	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	755912.38	0.00	755912.38	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	36429.51	0.00	36429.51	
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	92329.60	92329.60	
7	Miscellaneous works (Photography,Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	5856.00	5856.00	
	Total :-		651.50	303968.07	2515.00	306483.07	2105409.33	98185.60	2203594.93	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	481780.30	0.00	481780.30
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	73879.30	73879.30
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58
4	Fencing repair	ha	1.00	536.55	0.00	536.55	125681.82	0.00	125681.82
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	62840.91	11321.60	74162.51
Total :-			757.00	406169.47	2182.40	408351.87	1061985.60	85200.90	1147186.50
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	554047.35	0.00	554047.35
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	50752.00	50752.00
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	72267.05	11321.60	83588.65
Total :-			756.00	466477.85	1590.00	468067.85	1076749.35	62073.60	1138822.95
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	637154.45	0.00	637154.45
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	19520.00	19520.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	166214.20	0.00	166214.20
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21
Total :-			754.00	535030.35	500.00	535530.35	1321368.86	19520.00	1340888.86
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	5873848.34	433254.75	6307103.09
Completion Work (2nd Year)	2105409.33	98185.60	2203594.93
Maintenance Work (3rd Year)	1061985.60	85200.90	1147186.50
Maintenance Work (4th Year)	1076749.35	62073.60	1138822.95
Maintenance Work (5th Year)	1321368.86	19520.00	1340888.86
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	13447580.54	698234.85	14145815.39
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			72706.22
Grand Total			14218521.61
Or Say -			14218522.00

Rs. One crore forty two lac eighteen thousand five hundred twenty 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.



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Maharashtra
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 120.00 ha.
Name of Site	Gopda	Net Area	: 111.40 ha.
Thana & Thana No.	Tandwa-39	No. of Plants	: 1666 /ha.
Name of Range	Tandwa	Total Fencing	: 668 Chain
Name of Block	Tandwa	Wages Rate	: 405.71 /MD
Plot No. -	1, 2, 542, 543, 547P, 548P, 550, 567P	Spacing	: 3m x 2m

SI 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	1217.13	0.00	1217.13	135588.28	0.00	135588.28	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	316372.66	0.00	316372.66	
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, 25 mandays/chain)	chain	668 x 25 = 16710 MD	0.00	0.00	0.00	6779414.10	0.00	6779414.10	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	1649657.43	0.00	1649657.43	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	745735.55	0.00	745735.55	
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	444374.60	444374.60	
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	22314.05	0.00	22314.05	2485785.17	0.00	2485785.17	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	1129902.35	0.00	1129902.35	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	451960.94	0.00	451960.94	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	2995169.66	0.00	2995169.66	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	16710.00	16710.00	
Total			153.00	62073.63	4139.00	66212.63	16689586.14	461084.60	17150670.74	
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				62073.63	4139.00	66212.63	16689586.14	662644.87	17352231.01	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	1117473.42	0.00	1117473.42	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	1897106.05	0.00	1897106.05	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	2156983.59	0.00	2156983.59	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	103951.02	0.00	103951.02	
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	263461.00	263461.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	16710.00	16710.00	
Total :-			651.50	303968.07	2515.00	306483.07	5532125.65	280171.00	5812296.65	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)						536.55	
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	1374752.19	0.00	1374752.19
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	210813.36	210813.36
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58
4	Fencing repair	ha	1.00	536.55	0.00	536.55	358631.01	0.00	358631.01
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	179315.50	32306.00	211621.50
Total :-			757.00	406169.47	2182.40	408351.87	2304381.27	243119.36	2547500.63
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)						617.03	
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	1580965.02	0.00	1580965.02
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	144820.00	144820.00
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	206212.83	32306.00	238518.83
Total :-			756.00	466477.85	1590.00	468067.85	2237612.81	177126.00	2414738.81
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)						709.59	
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	1818109.77	0.00	1818109.77
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	55700.00	55700.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	474289.51	0.00	474289.51
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21
Total :-			754.00	535030.35	500.00	535530.35	2810399.48	55700.00	2866099.48
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)						816.03	
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)						938.43	
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)						1079.20	
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)						1241.08	
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)						1427.24	
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

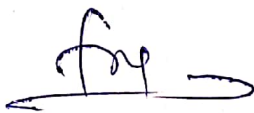
ABSTRACT

Work & Year	Wages	Materials	Total
Advance work 1st Year	16689586.14	662644.87	17352231.01
Completion Work (2nd Year)	5532125.65	280171.00	5812296.65
Maintenance Work (3rd Year)	2304381.27	243119.36	2547500.63
Maintenance Work (4th Year)	2237612.81	177126.00	2414738.81
Maintenance Work (5th Year)	2810399.48	55700.00	2866099.48
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	31582324.42	1418761.23	33001085.65
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			207466.01
Grand Total			33208551.66
Or Say -			33208552.00

Rs. Three crore thirty two lac eight thousand five hundred fifty 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.


 Divisional Forest Officer,
 Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

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

Compensatory Afforestation Scheme
Pokla
Tandwa-34
Tandwa
Tandwa
29, 30, 31, 32, 33, 34

Gross Area : **130.00 ha.**
 Net Area : **118.35 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **710 Chain**
 Wages Rate : **405.71 /MD**
 Spacing : **3m x 2m**

SI 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	1217.13	0.00	1217.13	144047.34	0.00	144047.34	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	336110.45	0.00	336110.45	
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, 25 mandays/chain)	chain	710 x 25 = 17752.5 MD	0.00	0.00	0.00	7202366.78	0.00	7202366.78	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	1752575.92	0.00	1752575.92	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	792260.35	0.00	792260.35	
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	472098.15	472098.15	
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	22314.05	0.00	22314.05	2640867.82	0.00	2640867.82	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	1200394.46	0.00	1200394.46	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	480157.79	0.00	480157.79	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	3179630.27	0.00	3179630.27	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	17752.50	17752.50	
	Total		153.00	62073.63	4139.00	66212.63	17728411.15	489850.65	18218261.80	
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.	27	0.00	0.00	0.00	0.00	236614.23	236614.23	
	Total			62073.63	4139.00	66212.63	17728411.15	726464.88	18454876.03	
B	Completion Work (2nd Year)									
									466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	1187190.12	0.00	1187190.12	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	2015462.30	0.00	2015462.30	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	2291553.03	0.00	2291553.03	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	110436.29	0.00	110436.29	
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	279897.75	279897.75	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	17752.50	17752.50	
	Total :-		651.50	303968.07	2515.00	306483.07	5861253.32	297650.25	6158903.57	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)								536.55
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	1460519.94	0.00	1460519.94	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	223965.54	223965.54	
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58	
4	Fencing repair	ha	1.00	536.55	0.00	536.55	381005.20	0.00	381005.20	
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	190502.60	34321.50	224824.10	
Total :-			757.00	406169.47	2182.40	408351.87	2423710.32	258287.04	2681997.36	
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)								617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	1679597.93	0.00	1679597.93	
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	153855.00	153855.00	
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96	
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	219077.99	34321.50	253399.49	
Total :-			756.00	466477.85	1590.00	468067.85	2349110.89	188176.50	2537287.39	
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)								709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	1931537.62	0.00	1931537.62	
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	59175.00	59175.00	
3	Fencing repair	ha	1.00	709.59	0.00	709.59	503879.38	0.00	503879.38	
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21	
Total :-			754.00	535030.35	500.00	535530.35	2953417.21	59175.00	3012592.21	
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)								816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12	
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12	
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)								938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64	
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64	
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)								1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78	
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78	
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)								1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80	
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80	
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)								1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72	
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72	

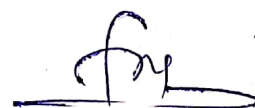
ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	17728411.15	726464.88	18454876.03
Completion Work (2nd Year)	5861253.32	297650.25	6158903.57
Maintenance Work (3rd Year)	2423710.32	258287.04	2681997.36
Maintenance Work (4th Year)	2349110.89	188176.50	2537287.39
Maintenance Work (5th Year)	2953417.21	59175.00	3012592.21
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	33324121.96	1529753.67	34853875.63
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			220409.36
Grand Total			35074284.99
Or Say -			35074285.00

Rs. Three crore fifty lac seventy four thousand two hundred eighty five 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.



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 70.00 ha.
Name of Site	Chatra-Pakria	Net Area	: 59.79 ha.
Thana & Thana No.	Chatra-175-174	No. of Plants	: 1666 /ha.
Name of Range	Chatra	Total Fencing	: 359 Chain
Name of Block	Chatra	Wages Rate	: 405.71 /MD
Plot No. -	82, 88P, 127, 801, 808, 2085	Spacing	: 3m x 2m

SI 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	1217.13	0.00	1217.13	72772.20	0.00	72772.20	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	169801.81	0.00	169801.81	
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, 25 mandays/chain)	chain	359 x 25 = 8968.50 MD	0.00	0.00	0.00	3638610.14	0.00	3638610.14	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	885395.13	0.00	885395.13	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	400247.11	0.00	400247.11	
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	238502.31	238502.31	
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	22314.05	0.00	22314.05	1334157.05	0.00	1334157.05	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	606435.02	0.00	606435.02	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	242574.01	0.00	242574.01	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1625383.77	0.00	1625383.77	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8968.50	8968.50	
Total			153.00	62073.63	4139.00	66212.63	8975376.25	247470.81	9222847.06	
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				62073.63	4139.00	66212.63	8975376.25	501612.02	9476988.27	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	599764.24	0.00	599764.24	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	1018204.40	0.00	1018204.40	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	1157684.46	0.00	1157684.46	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	55792.02	0.00	55792.02	
5	Protection of Plants.		550.00	256611.58	0.00	256611.58	256611.58	0.00	256611.58	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	141403.35	141403.35	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	8968.50	8968.50	
Total :-			651.50	303968.07	2515.00	306483.07	3088056.70	150371.85	3238428.55	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	737849.49	0.00	737849.49
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113146.60	113146.60
3	Protection		730.00	391682.58	0.00	391682.58	391682.58	0.00	391682.58
4	Fencing repair	ha	1.00	536.55	0.00	536.55	192482.48	0.00	192482.48
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	96241.24	17339.10	113580.34
Total :-			757.00	406169.47	2182.40	408351.87	1418255.78	130485.70	1548741.48
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	848526.92	0.00	848526.92
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	77727.00	77727.00
3	Protection		730.00	450434.96	0.00	450434.96	450434.96	0.00	450434.96
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	110677.42	17339.10	128016.52
Total :-			756.00	466477.85	1590.00	468067.85	1409639.30	95066.10	1504705.40
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	975805.95	0.00	975805.95
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	29895.00	29895.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	254558.07	0.00	254558.07
4	Protection		730.00	518000.21	0.00	518000.21	518000.21	0.00	518000.21
Total :-			754.00	535030.35	500.00	535530.35	1748364.24	29895.00	1778259.24
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	8975376.25	501612.02	9476988.27
Completion Work (2nd Year)	3088056.70	150371.85	3238428.55
Maintenance Work (3rd Year)	1418255.78	130485.70	1548741.48
Maintenance Work (4th Year)	1409639.30	95066.10	1504705.40
Maintenance Work (5th Year)	1748364.24	29895.00	1778259.24
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	18647911.32	907430.67	19555341.99
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			111350.03
Grand Total			19666692.02
Or Say -			19666692.00

Rs. One crore ninety six lac sixty six thousand six hundred ninety 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.

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 15.00 ha.
Name of Site	Balia	Net Area	: 10.97 ha.
Thana & Thana No.	Itkhor-636	No. of Plants	: 1666 /ha.
Name of Range	Lawalong	Total Fencing	: 66 Chain
Name of Block	Itkhor	Wages Rate	: 405.71 /MD
Plot No. -	636	Spacing	: 3m x 2m

SI 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	1217.13	0.00	1217.13	13351.92	0.00	13351.92
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	31154.47	0.00	31154.47
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, 25 mandays/chain)	chain	66 x 25 = 1665.00 MD	0.00	0.00	0.00	667595.81	0.00	667595.81
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	162448.31	0.00	162448.31
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	73435.54	0.00	73435.54
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	43759.33	43759.33
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	22314.05	0.00	22314.05	244785.13	0.00	244785.13
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	111265.97	0.00	111265.97
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	44506.39	0.00	44506.39
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	310401.67	0.00	310401.67
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	1645.50	1645.50
Total			153.00	62073.63	4139.00	66212.63	1658945.20	45404.83	1704350.03
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.	14	0.00	0.00	0.00	0.00	122688.86	122688.86
Total				62073.63	4139.00	66212.63	1658945.20	168093.69	1827038.89
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	110042.04	0.00	110042.04
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	186815.56	0.00	186815.56
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	212406.73	0.00	212406.73
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	10236.47	0.00	10236.47
5	Protection of Plants.		275.00	128305.79	0.00	128305.79	128305.79	0.00	128305.79
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	25944.05	25944.05
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	1645.50	1645.50
Total :-			376.50	175662.29	2515.00	178177.29	647806.59	27589.55	675396.14

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	135377.30	0.00	135377.30
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	20759.63	20759.63
3	Protection		365.00	195841.29	0.00	195841.29	195841.29	0.00	195841.29
4	Fencing repair	ha	1.00	536.55	0.00	536.55	35315.82	0.00	35315.82
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	17657.91	3181.30	20839.21
Total :-			392.00	210328.18	2182.40	212510.58	384192.32	23940.93	408133.25
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	155683.90	0.00	155683.90
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	14261.00	14261.00
3	Protection		365.00	225217.48	0.00	225217.48	225217.48	0.00	225217.48
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	20306.60	3181.30	23487.90
Total :-			391.00	241260.37	1590.00	242850.37	401207.98	17442.30	418650.28
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	179036.48	0.00	179036.48
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	5485.00	5485.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	46705.17	0.00	46705.17
4	Protection		365.00	259000.10	0.00	259000.10	259000.10	0.00	259000.10
Total :-			389.00	276030.25	500.00	276530.25	484741.76	5485.00	490226.76
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	1658945.20	168093.69	1827038.89
Completion Work (2nd Year)	647806.59	27589.55	675396.14
Maintenance Work (3rd Year)	384192.32	23940.93	408133.25
Maintenance Work (4th Year)	401207.98	17442.30	418650.28
Maintenance Work (5th Year)	484741.76	5485.00	490226.76
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	5585112.90	242551.47	5827664.37
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			20430.00
Grand Total			5848094.37
Or Say -			5848094.00

Rs. Fifty eight lac forty eight thousand ninety four only.

Note :-

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Departmnet, 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.



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2021-22 to 2030-31

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

Compensatory Afforestation Scheme
Siria
Itkhori- 113
Lawalong
Itkhori
248P, 249P, 250P, 253P

Gross Area : 30.00 ha.
 Net Area : 24.54 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 147 Chain
 Wages Rate : 405.71 /MD
 Spacing : 3m x 2m

SI 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	1217.13	0.00	1217.13	29868.37	0.00	29868.37	
2	Bush Clearance	ha	7.00	2839.97	0.00	2839.97	69692.86	0.00	69692.86	
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, 25 mandays/chain)	chain	147 x 25 = 3681MD	0.00	0.00	0.00	1493418.51	0.00	1493418.51	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	14808.42	0.00	14808.42	363398.50	0.00	363398.50	
5	Temporary Nursery including night vigil/guard	ha	16.50	6694.22	0.00	6694.22	164276.04	0.00	164276.04	
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	97890.06	97890.06	
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	22314.05	0.00	22314.05	547586.79	0.00	547586.79	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	10142.75	0.00	10142.75	248903.09	0.00	248903.09	
9	Gully plugging	ha	10.00	4057.10	0.00	4057.10	99561.23	0.00	99561.23	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	670564.33	0.00	670564.33	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	3681.00	3681.00	
Total			153.00	62073.63	4139.00	66212.63	3687269.72	101571.06	3788840.78	
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.	21	0.00	0.00	0.00	0.00	184033.29	184033.29	
Total				62073.63	4139.00	66212.63	3687269.72	285604.35	3972874.07	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							466.57	
1	Nursery (Part) - night guard	ha	21.50	10031.18	0.00	10031.18	246165.15	0.00	246165.15	
2	Plantation activity	ha	36.50	17029.68	0.00	17029.68	417908.28	0.00	417908.28	
3	Two Weedings & hoeings	ha	41.50	19362.51	0.00	19362.51	475155.99	0.00	475155.99	
4	Seed sowing on trench bund	ha	2.00	933.13	0.00	933.13	22899.08	0.00	22899.08	
5	Protection of Plants.		275.00	128305.79	0.00	128305.79	128305.79	0.00	128305.79	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	58037.10	58037.10	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	3681.00	3681.00	
Total :-			376.50	175662.29	2515.00	178177.29	1290434.29	61718.10	1352152.39	

C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							536.55
1	One Weeding	ha	23.00	12340.68	0.00	12340.68	302840.38	0.00	302840.38
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	46439.50	46439.50
3	Protection		365.00	195841.29	0.00	195841.29	195841.29	0.00	195841.29
4	Fencing repair	ha	1.00	536.55	0.00	536.55	79001.84	0.00	79001.84
5	Casualty Replacement	ha	3.00	1609.65	290.00	1899.65	39500.92	7116.60	46617.52
Total :-			392.00	210328.18	2182.40	212510.58	617184.43	53556.10	670740.53
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							617.03
1	One Weeding and One Hoeing	ha	23.00	14191.79	0.00	14191.79	348266.44	0.00	348266.44
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	31902.00	31902.00
3	Protection		365.00	225217.48	0.00	225217.48	225217.48	0.00	225217.48
4	Casualty Replacement	ha	3.00	1851.10	290.00	2141.10	45426.06	7116.60	52542.66
Total :-			391.00	241260.37	1590.00	242850.37	618909.98	39018.60	657928.58
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							709.59
1	One Weeding and Hoeing	ha	23.00	16320.55	0.00	16320.55	400506.41	0.00	400506.41
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	12270.00	12270.00
3	Fencing repair	ha	1.00	709.59	0.00	709.59	104479.93	0.00	104479.93
4	Protection		365.00	259000.10	0.00	259000.10	259000.10	0.00	259000.10
Total :-			389.00	276030.25	500.00	276530.25	763986.44	12270.00	776256.44
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							816.03
1	Protection		365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
Total :-			365.00	297850.12	0.00	297850.12	297850.12	0.00	297850.12
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							938.43
1	Protection		365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
Total :-			365.00	342527.64	0.00	342527.64	342527.64	0.00	342527.64
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							1079.20
1	Protection		365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
Total :-			365.00	393906.78	0.00	393906.78	393906.78	0.00	393906.78
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1241.08
1	Protection		365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
Total :-			365.00	452992.80	0.00	452992.80	452992.80	0.00	452992.80
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1427.24
1	Protection		365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72
Total :-			365.00	520941.72	0.00	520941.72	520941.72	0.00	520941.72

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	3687269.72	285604.35	3972874.07
Completion Work (2nd Year)	1290434.29	61718.10	1352152.39
Maintenance Work (3rd Year)	617184.43	53556.10	670740.53
Maintenance Work (4th Year)	618909.98	39018.60	657928.58
Maintenance Work (5th Year)	763986.44	12270.00	776256.44
Maintenance Work (6th Year)	297850.12	0.00	297850.12
Maintenance Work (7th Year)	342527.64	0.00	342527.64
Maintenance Work (8th Year)	393906.78	0.00	393906.78
Maintenance Work (9th Year)	452992.80	0.00	452992.80
Maintenance Work (10th Year)	520941.72	0.00	520941.72
Total	8986003.92	452167.15	9438171.07
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			45702.12
Grand Total			9483873.19
Or Say -			9483873.00

Rs. Ninety four lac eighty three thousand eight hundred seventy three 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.



Divisional Forest Officer,
Chatra South Forest Division.