

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION:
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, Magadh OCP East
Financial Year 2022-23 to 2031-32

Name of Scheme : **Compensatory Afforestation Scheme**
 Name of Site : **Kichto-1**
 Thana & Thana No. : **Tandwa- 78**
 Name of Range : **Tandwa Range**
 Name of Block : **Tandwa**
 Plot No. : **559**

Gross Area : **20.69 ha.**
 Net Area : **20.69 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **196.00 Chain**
 Wages Rate : **326.85 /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	980.55	0.00	980.55	20287.58	0.00	20287.58
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	47337.69	0.00	47337.69
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	196 x 25 = 4900 MD	0.00	0.00	0.00	1601565.00	0.00	1601565.00
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	246832.22	0.00	246832.22
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	111581.69	0.00	111581.69
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	82532.41	82532.41
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	371938.96	0.00	371938.96
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	169063.16	0.00	169063.16
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	67625.27	0.00	67625.27
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	3103.50	3103.50
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	549993.75	0.00	549993.75
	Total		153.00	50008.05	4139.00	54147.05	3186225.31	85635.91	3271861.22
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.	25	0.00	0.00	0.00	0.00	219087.25	219087.25
	Total			50008.05	4139.00	54147.05	3186225.31	304723.16	3490948.47
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	167203.47	0.00	167203.47
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	283857.05	0.00	283857.05
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	322741.58	0.00	322741.58
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	15553.81	0.00	15553.81
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	48931.85	48931.85
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	3103.50	3103.50
	Total :-		376.50	141517.88	2515.00	144032.88	892722.22	52035.35	944757.57

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	205699.15	0.00
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	39153.76
3	Protection		365.00	157774.58	0.00	157774.58	157774.58	0.00
4	Fencing repair	ha	1.00	432.26	0.00	432.26	84722.79	0.00
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	26830.32	6000.10
Total :-			392.00	169445.58	2182.40	171627.98	475026.84	45153.86
								520180.70
								497.10
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)						236554.02
1	One Weeding and One Hoeing	ha	23.00	11433.25	0.00	11433.25	236554.02	0.00
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	26897.00
3	Protection		365.00	181440.77	0.00	181440.77	181440.77	0.00
4	Casualty Replacement	ha	3.00	1491.29	290.00	1781.29	30854.87	6000.10
Total :-			391.00	194365.32	1590.00	195955.32	448849.66	32897.10
								481746.76
								571.66
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)						272037.13
1	One Weeding and Hoeing	ha	23.00	13148.24	0.00	13148.24	272037.13	0.00
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	10345.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	112045.89	0.00
4	Protection		365.00	208656.88	0.00	208656.88	208656.88	0.00
Total :-			389.00	222376.79	500.00	222876.79	592739.90	10345.00
								603084.90
								657.41
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)						239955.42
1	Protection		365.00	239955.42	0.00	239955.42	239955.42	0.00
Total :-			365.00	239955.42	0.00	239955.42	239955.42	0.00
								756.02
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)						275948.73
1	Protection		365.00	275948.73	0.00	275948.73	275948.73	0.00
Total :-			365.00	275948.73	0.00	275948.73	275948.73	0.00
								869.43
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)						317341.04
1	Protection		365.00	317341.04	0.00	317341.04	317341.04	0.00
Total :-			365.00	317341.04	0.00	317341.04	317341.04	0.00
								999.84
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)						364942.19
1	Protection		365.00	364942.19	0.00	364942.19	364942.19	0.00
Total :-			365.00	364942.19	0.00	364942.19	364942.19	0.00
								1149.82
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)						419683.52
1	Protection		365.00	419683.52	0.00	419683.52	419683.52	0.00
Total :-			365.00	419683.52	0.00	419683.52	419683.52	0.00

ABSTRACT			
Work & Year	Wages	Materials	Total
Advance work 1st Year	3186225.31	304723.16	3490948.47
Completion Work (2nd Year)	892722.22	52035.35	944757.57
Maintenance Work (3rd Year)	475026.84	45153.86	520180.70
Maintenance Work (4th Year)	448849.66	32897.10	481746.76
Maintenance Work (5th Year)	592739.90	10345.00	603084.90
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	7213434.82	445154.47	7658589.29
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			80127.80
Grand Total			7738717.09
Or Say -			7738717.00

Rs. Seventy seven lakh thirty eight thousand seven hundred seventeen only.

Note :-

1. Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India P- 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 by

Jany

वन क्षेत्र पदाधिकारी
टण्डवा प्रक्षेत्र।

Divisional Forest Officer,
Chatra South Forest Division.

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Forest and Environment Department, Jharkhand
CHITRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, Magadh OCP East
Financial Year 2022-23 to 2031-32

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Kichito-2	Gross Area	88.59 ha.
Thana & Thana No.	Tandwa- 78	Net Area	88.59 ha.
Name of Range	Tandwa Range	No. of Plants	1666 /ha.
Name of Block	Tandwa	Total Fencing	278.00 Chain
Plot No. -	535, 536, 537, 538, 557, 558	Wages Rate	326.85 /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	980.55	0.00	980.55	86866.92	0.00	86866.92	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	202689.49	0.00	202689.49	
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	278 x 25 = 6950 MD	0.00	0.00	0.00	2271607.50	0.00	2271607.50	
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	1056880.91	0.00	1056880.91	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	477768.08	0.00	477768.08	
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	353385.51	353385.51	
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	1592560.28	0.00	1592560.28	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	723891.04	0.00	723891.04	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	289556.42	0.00	289556.42	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	13288.50	13288.50	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1616176.81	0.00	1616176.81	
	Total		153.00	50008.05	4139.00	54147.05	8317997.46	366674.01	8684671.47	
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	8317997.46	568234.28	8886231.74	
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	715928.24	0.00	715928.24	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	1215413.05	0.00	1215413.05	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	1381907.99	0.00	1381907.99	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	66597.98	0.00	66597.98	
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	209515.35	209515.35	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	13288.50	13288.50	
	Total :-		376.50	141517.88	2515.00	144032.88	3483213.57	222803.85	3706017.42	

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	880758.23	0.00	880758.23
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	167647.72	167647.72
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	120168.04	0.00	120168.04
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	114881.51	25691.10	140572.61
Total :-			392.00	169445.58	2182.40	171627.98	1273582.35	193338.82	1466921.17
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	1012871.96	0.00	1012871.96
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	115167.00	115167.00
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	132113.73	25691.10	157804.83
Total :-			391.00	194365.32	1590.00	195955.32	1326426.46	140858.10	1467284.56
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	1164802.75	0.00	1164802.75
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	44295.00	44295.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	158922.23	0.00	158922.23
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	1532381.86	44295.00	1576676.86
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	8317997.46	568234.28	8886231.74
Completion Work (2nd Year)	3483213.57	222803.85	3706017.42
Maintenance Work (3rd Year)	1273582.35	193338.82	1466921.17
Maintenance Work (4th Year)	1326426.46	140858.10	1467284.56
Maintenance Work (5th Year)	1532381.86	44295.00	1576676.86
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	17551472.60	1169530.05	18721002.64
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @18%			210515.41
Grand Total			18931518.05
Or Say -			18931518.00

Rs. One crore eighty nine lakh thirty one thousand five hundred eighteen 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 by

Janna

वन क्षेत्र पदाधिकारी
टण्डवा प्रक्षेत्र।

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, Magadh OCP East
Financial Year 2022-23 to 2031-32

Name of Scheme : **Compensatory Afforestation Scheme**
 Name of Site : **Kichito-3**
 Thana & Thana No. : **Tandwa- 78**
 Name of Range : **Tandwa Range**
 Name of Block : **Tandwa**
 Plot No. - : **560, 561, 565**

Gross Area : **72.04 ha.**
 Net Area : **40.72 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **203.00 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	39928.00	0.00	39928.00	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	93165.32	0.00	93165.32	
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	203 x 25 = 5075 MD	0.00	0.00	0.00	1658763.75	0.00	1658763.75	
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	485790.62	0.00	485790.62	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	219603.98	0.00	219603.98	
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	162432.08	162432.08	
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	732013.26	0.00	732013.26	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	332733.30	0.00	332733.30	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	133093.32	0.00	133093.32	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	6108.00	6108.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	843441.08	0.00	843441.08	
Total			153.00	50008.05	4139.00	54147.05	4538532.62	168540.08	4707072.70	
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.	28	0.00	0.00	0.00	0.00	245377.72	245377.72	
Total				50008.05	4139.00	54147.05	4538532.62	413917.80	4952450.42	
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	329073.23	0.00	329073.23	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	558659.21	0.00	558659.21	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	635187.87	0.00	635187.87	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	30611.46	0.00	30611.46	
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	96302.80	96302.80	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	6108.00	6108.00	
Total :-			376.50	141517.88	2515.00	144032.88	1656898.09	102410.80	1759308.89	

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	404836.61	0.00	404836.61
2. Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	77058.53	77058.53
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	87748.60	0.00	87748.60
5. Casualty Replacement	ha	3.00	1296.78	0.00	1586.78	52804.77	11808.80	64613.57
Total :-		392.00	169445.58	2182.40	171627.98	703164.56	88867.33	792031.89
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	465562.10	0.00	465562.10
2. Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	52936.00	52936.00
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	60725.49	11808.80	72534.29
Total :-		391.00	194365.32	1590.00	195955.32	707728.36	64744.80	772473.16
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	535396.41	0.00	535396.41
2. Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	20360.00	20360.00
3. Fencing repair	ha	1.00	571.66	0.00	571.66	116047.53	0.00	116047.53
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	860100.82	20360.00	880460.82
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	4538532.62	413917.80	4952450.42
Completion Work (2nd Year)	1656898.09	102410.80	1759308.89
Maintenance Work (3rd Year)	703164.56	88867.33	792031.89
Maintenance Work (4th Year)	707728.36	64744.80	772473.16
Maintenance Work (5th Year)	860100.82	20360.00	880460.82
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	10084295.35	690300.73	10774596.08
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			124254.13
Grand Total			10898850.21
Or Say -			10898850.00

Rs. One crore eight lakh ninety eight thousand eight hundred fifty only.

Note :-

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

Submitted by

Janu

वन क्षेत्र पदाधिकारी
टण्डवा प्रक्षेत्र।

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, Magadh OCP East
 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

Laranga
 Tandwa-77
 Tandwa Range
 Tandwa
 2, 48

Gross Area : 13.41 ha.
 Net Area : 13.41 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 110.00 Chain
 Wages Rate : 326.85 /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	980.55	0.00	980.55	13149.18	0.00	13149.18
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	30681.41	0.00	30681.41
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	110 x 25 = 2750 MD	0.00	0.00	0.00	898837.50	0.00	898837.50
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	159981.64	0.00	159981.64
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	72320.47	0.00	72320.47
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	53492.49	53492.49
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	241068.22	0.00	241068.22
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	109576.46	0.00	109576.46
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	43830.59	0.00	43830.59
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	2011.50	2011.50
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	341048.16	0.00	341048.16
Total			153.00	50008.05	4139.00	54147.05	1910493.61	55503.99	1965997.60
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.	26	0.00	0.00	0.00	0.00	227850.74	227850.74
Total				50008.05	4139.00	54147.05	1910493.61	283354.73	2193848.34
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	108371.12	0.00	108371.12
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	183978.88	0.00	183978.88
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	209181.47	0.00	209181.47
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	10081.03	0.00	10081.03
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	31714.65	31714.65
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	2011.50	2011.50
Total :-			376.50	141517.88	2515.00	144032.88	614978.82	33726.15	648704.97

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	133321.68	0.00	133321.68
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	25377.08	25377.08
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	47548.50	0.00	47548.50
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	17389.78	3888.90	21278.68
Total :-			392.00	169445.58	2182.40	171627.98	356034.55	29265.98	385300.53
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	153319.93	0.00	153319.93
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	17433.00	17433.00
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	19998.25	3888.90	23887.15
Total :-			391.00	194365.32	1590.00	195955.32	354758.95	21321.90	376080.85
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	176317.92	0.00	176317.92
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	6705.00	6705.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	62882.90	0.00	62882.90
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	447857.70	6705.00	454562.70
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	1910493.61	283354.73	2193848.34
Completion Work (2nd Year)	614978.82	33726.15	648704.97
Maintenance Work (3rd Year)	356034.55	29265.98	385300.53
Maintenance Work (4th Year)	354758.95	21321.90	376080.85
Maintenance Work (5th Year)	447857.70	6705.00	454562.70
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	5301994.53	374373.76	5676368.29
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			67387.28
Grand Total			5743755.57
Or Say -			5743756.00

Rs. Fifty seven lakh forty three thousand seven hundred fifty six 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 by

Jeeva

वन क्षेत्र पदाधिकारी
टण्डवा प्रक्षेत्र।

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, Magadli OCP East
Financial Year 2022-23 to 2031-32

Name of Scheme : **Compensatory Afforestation Scheme**
 Name of Site : **Ulatu alias Simratanr**
 Thana & Thana No. : **Tandwa- 67**
 Name of Range : **Tandwa Range**
 Name of Block : **Tandwa**
 Plot No. : **1P, 2, 481**

Gross Area : **52.42 ha.**
 Net Area : **52.42 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **179.00 Chain**
 Wages Rate : **326.85 /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	980.55	0.00	980.55	51400.43	0.00	51400.43	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	119934.34	0.00	119934.34	
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	179 x 25 = 4475 MD	0.00	0.00	0.00	1462653.75	0.00	1462653.75	
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	625371.91	0.00	625371.91	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	282702.37	0.00	282702.37	
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	209103.38	209103.38	
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	942341.24	0.00	942341.24	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	428336.93	0.00	428336.93	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	171334.77	0.00	171334.77	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7863.00	7863.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	980422.47	0.00	980422.47	
	Total		153.00	50008.05	4139.00	54147.05	5064498.20	216966.38	5281464.58	
12	As per condition no. 2(b) Vide MoEF Letter no. FPI/H/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.	45	0.00	0.00	0.00	0.00	394357.05	394357.05	
	Total			50008.05	4139.00	54147.05	5064498.20	611323.43	5675821.63	
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	423625.22	0.00	423625.22	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	719177.70	0.00	719177.70	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	817695.19	0.00	817695.19	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	39407.00	0.00	39407.00	
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	123973.30	123973.30	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7863.00	7863.00	
	Total :-		376.50	141517.88	2515.00	144032.88	2103271.42	131836.30	2235107.72	

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	521157.54	0.00	521157.54
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	99199.61	99199.61
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	77374.38	0.00	77374.38
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	67977.07	15201.80	83178.87
Total :-			392.00	169445.58	2182.40	171627.98	824283.57	114401.41	938684.98
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)							497.10
1	One Weeding and One Hosing	ha	23.00	11433.25	0.00	11433.25	599331.17	0.00	599331.17
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	68146.00	68146.00
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	78173.63	15201.80	93375.43
Total :-			391.00	194365.32	1590.00	195955.32	858945.57	83347.80	942293.37
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)							571.66
1	One Weeding and Hosing	ha	23.00	13148.24	0.00	13148.24	689230.84	0.00	689230.84
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	26210.00	26210.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	102327.62	0.00	102327.62
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	1000215.35	26210.00	1026425.35
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	5064498.20	611323.43	5675821.63
Completion Work (2nd Year)	2103271.42	131836.30	2235107.72
Maintenance Work (3rd Year)	824283.57	114401.41	938684.98
Maintenance Work (4th Year)	858945.57	83347.80	942293.37
Maintenance Work (5th Year)	1000215.35	26210.00	1026425.35
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	11469085.00	967118.94	12436203.93
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			174081.41
Grand Total			12610285.34
Or Say -			12610285.00

Rs. One crore twenty six lakh ten 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.

Submitted by

Janu

वन क्षेत्र पदाधिकारी
टण्डवा प्रक्षेत्र।

Divisional Forest Officer,
Chatra South Forest Division.

E:\Map Section\FC Act\Estimate\Ws CCL, Magadh OCP East

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, Magadh OCP East
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
Ulatu alias Simratani
Tandwa- 67
Tandwa Range
Tandwa
659, 660, 661, 662

Gross Area : 68.56 ha.
 Net Area : 68.56 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 264.00 Chain
 Wages Rate : 326.85 /MD
 Spacing : 3m x 2m

		Prescribed Rate				Estimated Amount (As Per site)			Remarks	
SI No.	Particulars	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	67226.51	0.00	67226.51	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	156861.85	0.00	156861.85	
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	264 x 25 = 6600 MD	0.00	0.00	0.00	2157210.00	0.00	2157210.00	
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	817922.51	0.00	817922.51	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	369745.79	0.00	369745.79	
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	273485.84	273485.84	
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	1232485.98	0.00	1232485.98	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	560220.90	0.00	560220.90	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	224088.36	0.00	224088.36	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	10284.00	10284.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1314149.68	0.00	1314149.68	
Total			153.00	50008.05	4139.00	54147.05	6899911.58	283769.84	7183681.42	
12	As per condition no. 2(b) Vide MoEF Letter no. FP/HH/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.	45	0.00	0.00	0.00	0.00	394357.05	394357.05	
Total				50008.05	4139.00	54147.05	6899911.58	678126.89	7578038.47	
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	554058.47	0.00	554058.47	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	940610.89	0.00	940610.89	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	1069461.70	0.00	1069461.70	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	51540.32	0.00	51540.32	
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	162144.40	162144.40	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	10284.00	10284.00	
Total :-			376.50	141517.88	2515.00	144032.88	2719037.69	172428.40	2891466.09	

Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)							432.26
	One Weeding	ha	23.00	9941.96	0.00	9941.96	681620.77	0.00	681620.77
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	129742.94	129742.94
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	114116.41	0.00	114116.41
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	88907.06	19882.40	108789.46
Total :-			392.00	169445.58	2182.40	171627.98	1042418.82	149625.34	1192044.16
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	783863.88	0.00	783863.88
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	89128.00	89128.00
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	102243.12	19882.40	122125.52
Total :-			391.00	194365.32	1590.00	195955.32	1067547.77	109010.40	1176558.17
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	901443.47	0.00	901443.47
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	34280.00	34280.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	150918.95	0.00	150918.95
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	1261019.30	34280.00	1295299.30
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	6899911.58	678126.89	7578038.47
Completion Work (2nd Year)	2719037.69	172428.40	2891466.09
Maintenance Work (3rd Year)	1042418.82	149625.34	1192044.16
Maintenance Work (4th Year)	1067547.77	109010.40	1176558.17
Maintenance Work (5th Year)	1261019.30	34280.00	1295299.30
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	14607806.06	1143471.03	15751277.09
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			205824.79
Grand Total			15957101.88
Or Say -			15957102.00

Rs. One crore fifty nine lakh fifty seven thousand one hundred two only.

Note :-

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

Submitted by
Jenny

वन क्षेत्र पदाधिकारी
हण्डवा प्रक्षेत्र।

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, Magadh OCP East
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
Chaur
Chatra-284
Chatra Range
Chatra
278P, 24

Gross Area : **45.80 ha.**
 Net Area : **30.00 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **215.00 Chain**
 Wages Rate : **326.85 /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	980.55	0.00	980.55	29416.50	0.00	29416.50
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	68638.50	0.00	68638.50
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	215 x 25 = 5375 MD	0.00	0.00	0.00	1756818.75	0.00	1756818.75
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	357900.75	0.00	357900.75
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	161790.75	0.00	161790.75
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	119670.00	119670.00
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	539302.50	0.00	539302.50
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	245137.50	0.00	245137.50
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	98055.00	0.00	98055.00
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	4500.00	4500.00
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	705689.03	0.00	705689.03
Total			153.00	50008.05	4139.00	54147.05	3962749.28	124170.00	4086919.28
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.	180	0.00	0.00	0.00	0.00	1577428.20	1577428.20
Total				50008.05	4139.00	54147.05	3962749.28	1701598.20	5664347.48
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	242440.99	0.00	242440.99
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	411585.86	0.00	411585.86
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	467967.49	0.00	467967.49
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	22552.65	0.00	22552.65
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	70950.00	70950.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	4500.00	4500.00
Total :-			376.50	141517.88	2515.00	144032.88	1247913.30	75450.00	1323363.30

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	298258.80	0.00	298258.80
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	56772.00	56772.00
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	92935.71	0.00	92935.71
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	38903.32	8700.00	47603.32
Total :-			392.00	169445.58	2182.40	171627.98	587872.41	65472.00	653344.41
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	342997.62	0.00	342997.62
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	39000.00	39000.00
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	44738.82	8700.00	53438.82
Total :-			391.00	194365.32	1590.00	195955.32	569177.20	47700.00	616877.20
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	394447.26	0.00	394447.26
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	15000.00	15000.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	122907.48	0.00	122907.48
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	726011.62	15000.00	741011.62
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	3962749.28	1701598.20	5664347.48
Completion Work (2nd Year)	1247913.30	75450.00	1323363.30
Maintenance Work (3rd Year)	587872.41	65472.00	653344.41
Maintenance Work (4th Year)	569177.20	47700.00	616877.20
Maintenance Work (5th Year)	726011.62	15000.00	741011.62
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	8711594.71	1905220.20	10616814.91
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			342939.64
Grand Total			10959754.54
Or Say -			10959755.00

Rs. One crore nine lakh fifty nine thousand seven hundred fifty five only.

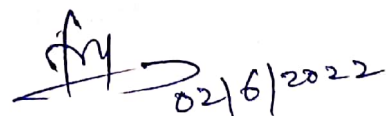
Note :-

- 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.

Submitted



RFO
Chatra



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, Magadh OCP East
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
Jangi
Chatra- 135
Chatra Range
Chatra
3871P, 3872, 3873, 3874

Gross Area : **83.51 ha.**
Net Area : **70.00 ha.**
No. of Plants : **1666 /ha.**
Total Fencing : **230.00 Chain**
Wages Rate : **326.85 /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	980.55	0.00	980.55	68638.50	0.00	68638.50	
2	Bush Clearance	ha	7.00	2287.95	0.00	2287.95	160156.50	0.00	160156.50	
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	230 x 25 = 5750 MD	0.00	0.00	0.00	1879387.50	0.00	1879387.50	
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	835101.75	0.00	835101.75	
5	Temporary Nursery including night vigil/guard	ha	16.50	5393.03	0.00	5393.03	377511.75	0.00	377511.75	
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	279230.00	279230.00	
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	1258372.50	0.00	1258372.50	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8171.25	0.00	8171.25	571987.50	0.00	571987.50	
9	Gully plugging	ha	10.00	3268.50	0.00	3268.50	228795.00	0.00	228795.00	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	10500.00	10500.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1292956.04	0.00	1292956.04	
Total			153.00	50008.05	4139.00	54147.05	6672907.04	289730.00	6962637.04	
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.	200	0.00	0.00	0.00	0.00	1752698.00	1752698.00	
Total				50008.05	4139.00	54147.05	6672907.04	2042428.00	8715335.04	
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	565695.64	0.00	565695.64	
2	Plantation activity	ha	36.50	13719.53	0.00	13719.53	960367.01	0.00	960367.01	
3	Two Weedings & hoeings	ha	41.50	15598.92	0.00	15598.92	1091924.14	0.00	1091924.14	
4	Seed sowing on trench bund	ha	2.00	751.76	0.00	751.76	52622.85	0.00	52622.85	
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	165550.00	165550.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	10500.00	10500.00	
Total :-			376.50	141517.88	2515.00	144032.88	2773975.95	176050.00	2950025.95	

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	695937.19	0.00
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	132468.00
3	Protection		365.00	157774.58	0.00	157774.58	157774.58	0.00
4	Fencing repair	ha	1.00	432.26	0.00	432.26	99419.60	0.00
5	Casualty Replacement	ha	3.00	1296.78	290.00	1586.78	90774.42	20300.00
Total :-			392.00	169445.58	2182.40	171627.98	1043905.79	152768.00
								1196673.79
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	800327.77	0.00
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	91000.00
3	Protection		365.00	181440.77	0.00	181440.77	181440.77	0.00
4	Casualty Replacement	ha	3.00	1491.29	290.00	1781.29	104390.58	20300.00
Total :-			391.00	194365.32	1590.00	195955.32	1086159.12	111300.00
								1197459.12
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	920376.94	0.00
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	35000.00
3	Fencing repair	ha	1.00	571.66	0.00	571.66	131482.42	0.00
4	Protection		365.00	208656.88	0.00	208656.88	208656.88	0.00
Total :-			389.00	222376.79	500.00	222876.79	1260516.24	35000.00
								1295516.24
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
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
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
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
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
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	6672907.04	2042428.00	8715335.04
Completion Work (2nd Year)	2773975.95	176050.00	2950025.95
Maintenance Work (3rd Year)	1043905.79	152768.00	1196673.79
Maintenance Work (4th Year)	1086159.12	111300.00	1197459.12
Maintenance Work (5th Year)	1260516.24	35000.00	1295516.24
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	14455335.03	2517546.00	16972881.03
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			453158.28
Grand Total			17426039.31
Or Say -			17426039.00

Rs. One crore seventy four lakh twenty six thousand thirty nine only.

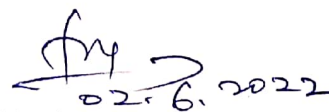
Note :-

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

Submitted



RFO
Chatra


02.6.2022

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 Magadh OCP Extension Project 192.36 ha.
Financial Year 2023-24 to 2033-34

Name of Scheme **Compensatory Afforestation Scheme**

Name of Site **Pokla Alias Kasiyadih**

Thana & Thana No. **Tandwa- 34**

Name of Range **Tandwa Range**

Name of Block **Tandwa**

Plot No. - **32P, 33, 34**

Gross Area : **54.30 ha.**
Net Area : **40.00 ha.**
No. of Plants : **1666 /ha.**
Total Fencing : **240.00 Chain**
Wages Rate : **346.01 /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	1038.03	0.00	1038.03	41521.20	0.00	41521.20	
2	Bush Clearance	ha	7.00	2422.07	0.00	2422.07	96882.80	0.00	96882.80	
3	"Trench/stone fencing or bush fencing by machine with the approval of the Conservator of Forests at the approved departmental rate as per the minimum requirement. (i) Trench girth - Top width 1.83 m, Bottom width 1.22 m, Depth 1.22 m, Trench girth including dressing - 240 chains"	chain	2.00	692.02	2657.15	3349.17	166084.80	637716.00	803800.80	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	12629.37	0.00	12629.37	505174.60	0.00	505174.60	
5	Temporary Nursery including night vigil/guard	ha	16.50	5709.17	0.00	5709.17	228366.60	0.00	228366.60	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3373.65	3373.65	0.00	134946.00	134946.00	
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	19030.55	0.00	19030.55	761222.00	0.00	761222.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8650.25	0.00	8650.25	346010.00	0.00	346010.00	
9	Gully plugging	ha	10.00	3460.10	0.00	3460.10	138404.00	0.00	138404.00	
10	Labor Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	22836.66	22836.66	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	0.00	766975.52	766975.52	
12	Miscellaneous works (Photography, Sign Boards, etc)		0.00	0.00	250.00	250.00	0.00	10000.00	10000.00	
	Total		155.00	53631.55	6280.80	59912.35	2283666.00	1572474.18	3856140.18	
12	Per pillar@ 4700with GST	No.	35	0.00	0.00	0.00	0.00	164500.00	164500.00	
	Total			53631.55	6280.80	59912.35	2283666.00	1736974.18	4020640.18	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							397.91	
1	Nursery (Part) - night guard	ha	21.50	8555.10	666.40	9221.50	342203.89	26656.00	368859.89	
2	Plantation activity	ha	36.50	14523.77	0.00	14523.77	580950.79	0.00	580950.79	
3	Two Weedings & hoeings	ha	41.50	16513.33	0.00	16513.33	660533.09	0.00	660533.09	
4	Seed sowing on trench bund	ha	2.00	795.82	0.00	795.82	31832.92	0.00	31832.92	
5	Protection of Plants		550.00	218851.33	0.00	218851.33	218851.33	0.00	218851.33	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	3936.76	3936.76	0.00	157470.40	157470.40	

7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	250.00	250.00	0.00	10000.00	10000.00
8	Labor Cess 1% of wages	ha	0.00	0.00	0.00	0.00	0.00	18343.72	18343.72
	Total :-		651.50	259239.34	4853.16	264092.50	1834372.02	212470.12	2046842.14
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							457.60
		ha	23.00	10524.76	0.00	10524.76	420990.37	0.00	420990.37
1	One Weeding	ha	0.00	0.00	2365.00	2365.00	0.00	94600.00	94600.00
2	Fertilizer		730.00	334046.70	0.00	334046.70	334046.70	0.00	334046.70
3	Protection		1.00	457.60	0.00	457.60	109823.57	0.00	109823.57
4	Fencing repair	Chain	7.00	3203.19	1670.00	4873.19	128127.50	66800.00	194927.50
5	Casualty Replacement	ha	0.00	0.00	0.00	0.00	0.00	9929.88	9929.88
6	Labor Cess 1% of wages	ha	0.00	0.00	0.00	0.00	0.00	9929.88	9929.88
	Total :-		761.00	348232.25	4035.00	352267.25	992988.15	171329.88	1164318.03
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							526.24
		ha	23.00	12103.47	0.00	12103.47	484138.92	0.00	484138.92
1	One Weeding and One Hoeing	ha	0.00	0.00	2365.00	2365.00	0.00	94600.00	94600.00
2	Material (Seed, Fertilizer, Pesticide, etc.)		730.00	384153.71	0.00	384153.71	384153.71	0.00	384153.71
3	Protection	ha	3.50	1841.83	835.00	2676.83	73673.31	33400.00	107073.31
4	Casualty Replacement	ha	0.00	0.00	0.00	0.00	0.00	9419.66	9419.66
5	Labor Cess 1% of wages	ha	0.00	0.00	0.00	0.00	0.00	9419.66	9419.66
	Total :-		756.50	398099.02	3200.00	401299.02	941965.95	128000.00	1069965.95
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							605.17
		ha	23.00	13918.99	0.00	13918.99	556759.76	0.00	556759.76
1	One Weeding and Hoeing	ha	0.00	0.00	2365.00	2365.00	0.00	94600.00	94600.00
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)		730.00	384153.71	0.00	384153.71	384153.71	0.00	384153.71
3	Fencing repair	Chain	1.00	605.17	0.00	605.17	145241.68	0.00	145241.68
4	Protection		365.00	220888.38	0.00	220888.38	220888.38	0.00	220888.38
5	Labour Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	9228.90	9228.90
	Total :-		389.00	235412.55	2365.00	237777.55	922889.82	103828.90	1026718.72
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							695.95
			365.00	254021.64	0.00	254021.64	254021.64	0.00	254021.64
1	Protection		0.00	0.00	0.00	0.00	0.00	2540.22	2540.22
2	Labour Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	2540.22	2540.22
	Total :-		365.00	254021.64	0.00	254021.64	254021.64	2540.22	256561.86
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							800.34
			365.00	292124.89	0.00	292124.89	292124.89	0.00	292124.89
1	Protection		0.00	0.00	0.00	0.00	0.00	2921.25	2921.25
2	Labour Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	2921.25	2921.25
	Total :-		365.00	292124.89	0.00	292124.89	292124.89	2921.25	295046.14
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							920.39
			365.00	335943.62	0.00	335943.62	335943.62	0.00	335943.62
1	Protection		0.00	0.00	0.00	0.00	0.00	3359.44	3359.44
2	Labour Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	3359.44	3359.44
	Total :-		365.00	335943.62	0.00	335943.62	335943.62	3359.44	339303.06
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1058.45
			365.00	386335.16	0.00	386335.16	386335.16	0.00	386335.16
1	Protection		0.00	0.00	0.00	0.00	0.00	3863.35	3863.35
2	Labour Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	3863.35	3863.35
	Total :-		365.00	386335.16	0.00	386335.16	386335.16	3863.35	390198.51
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1217.22
			365.00	444285.44	0.00	444285.44	444285.44	0.00	444285.44
1	Protection		0.00	0.00	0.00	0.00	0.00	4442.85	4442.85
2	Labour Cess 1% of wages		0.00	0.00	0.00	0.00	0.00	4442.85	4442.85
	Total :-		365.00	444285.44	0.00	444285.44	444285.44	4442.85	448728.29

ABSTRACT

Work & Year	Wages	Materials	Total
Advance work 1st Year	2283666.00	1736974.18	4020640.18
Completion Work (2nd Year)	1834372.02	212470.12	2046842.14
Maintenance Work (3rd Year)	992988.15	171329.88	1164318.03
Maintenance Work (4th Year)	941965.95	128000.00	1069965.95

Maintenance Work (5th Year)	922889.82	103828.90	1026718.72
Maintenance Work (6th Year)	254021.64	2540.22	256561.86
Maintenance Work (7th Year)	292124.89	2921.25	295046.14
Maintenance Work (8th Year)	335943.62	3359.44	339303.06
Maintenance Work (9th Year)	386335.16	3863.35	390198.51
Maintenance Work (10th Year)	444285.44	4442.85	448728.29
Total	8688592.68	2369730.19	11058322.86
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			108820.82
Grand Total			11167143.69
Or Say -			11167144.00

Rs. One crore eleven lac sixty seven thousand one hundred forty four 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 09 dt. 26.04.2023
- 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
Tandwa Range.


Divisional Forest Officer,
Chatra South Forest Division.