

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
Amarpali Railway Siding
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
Brinda
Tandwa- 36
Tandwa Range
Tandwa
116, 124

Gross Area : 76.12 ha.
 Net Area : 71.60 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 430 Chain
 Wages Rate : 334.14 /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	1002.42	0.00	1002.42	71773.27	0.00	71773.27	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	167470.97	0.00	167470.97	
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	430 x 25 = 10740 MD	0.00	0.00	0.00	3588663.60	0.00	3588663.60	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	873241.48	0.00	873241.48	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	394753.00	0.00	394753.00	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	285612.40	285612.40	
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	18377.70	0.00	18377.70	1315843.32	0.00	1315843.32	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	598110.60	0.00	598110.60	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	239244.24	0.00	239244.24	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	10740.00	10740.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1609417.32	0.00	1609417.32	
	Total		153.00	51123.42	4139.00	55262.42	8858517.79	296352.40	9154870.19	
12	Per Pillar @ 4700.00 (Include GST)	No.	46	0.00	0.00	0.00	0.00	216200.00	216200.00	
	Total			51123.42	4139.00	55262.42	8858517.79	512552.40	9371070.19	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							384.26	
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	591531.38	0.00	591531.38	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	1004227.70	0.00	1004227.70	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	1141793.14	0.00	1141793.14	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	55026.18	0.00	55026.18	
5	Protection of Plants.		550.00	211343.55	0.00	211343.55	211343.55	0.00	211343.55	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	169334.00	169334.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	10740.00	10740.00	
	Total :-		651.50	250346.04	2515.00	252861.04	3003921.94	180074.00	3183995.94	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							441.90	
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	727721.17	0.00	727721.17	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	135495.84	135495.84	
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11	
4	Fencing repair	ha	1.00	441.90	0.00	441.90	189840.30	0.00	189840.30	

5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	94920.15	20764.00	115684.15
Total :-			757.00	334518.41	2182.40	336700.81	1335068.73	156259.84	1491328.57
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							508.19
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	836879.34	0.00	836879.34
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	93080.00	93080.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	109158.18	20764.00	129922.18
Total :-			756.00	384187.99	1590.00	385777.99	1317012.69	113844.00	1430856.69
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							584.41
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	962411.24	0.00	962411.24
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	35800.00	35800.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	251063.80	0.00	251063.80
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73
Total :-			389.00	227336.64	500.00	227836.64	1426785.77	35800.00	1462585.77
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							672.07
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
Total :-			365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							772.89
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
Total :-			365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							888.82
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
Total :-			365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1022.14
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
Total :-			365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1175.46
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06
Total :-			365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06

ABSTRACT

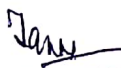
Work & Year	Wages	Materials	Total
Advance work 1st Year	8858517.79	512552.40	9371070.19
Completion Work (2nd Year)	3003921.94	180074.00	3183995.94
Maintenance Work (3rd Year)	1335068.73	156259.84	1491328.57
Maintenance Work (4th Year)	1317012.69	113844.00	1430856.69
Maintenance Work (5th Year)	1426785.77	35800.00	1462585.77
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
Total	17595262.51	998530.24	18593792.75
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			140819.44
Grand Total			18734612.19
Or Say -			18734612.00

Rs. One crore eighty seven lakh thirty four thousand six hundred twelve only.

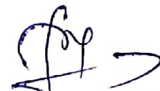
Note :-

- 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


Range Forest Officer
Tandwa Range

Countersigned


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
Amarpali Railway Siding
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

Kadamdiri
Tandwa- 87
Tandwa Range
Tandwa
11, 41P, 42, 53

Gross Area : 37.00 ha.
 Net Area : 34.61 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 208 Chain
 Wages Rate : 334.14 /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	1002.42	0.00	1002.42	34693.76	0.00	34693.76	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	80952.10	0.00	80952.10	
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	208 x 25 = 5192 MD	0.00	0.00	0.00	1734687.81	0.00	1734687.81	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	422107.37	0.00	422107.37	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	190815.66	0.00	190815.66	
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	138059.29	138059.29	
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	18377.70	0.00	18377.70	636052.20	0.00	636052.20	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	289114.64	0.00	289114.64	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	115645.85	0.00	115645.85	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	5191.50	5191.50	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	794337.61	0.00	794337.61	
	Total		153.00	51123.42	4139.00	55262.42	4298406.99	143250.79	4441657.78	
12	Per Pillar @ 4700.00 (Include GST)	No.	29	0.00	0.00	0.00	0.00	136300.00	136300.00	
	Total			51123.42	4139.00	55262.42	4298406.99	279550.79	4577957.78	
									384.26	
B	Completion Work (2nd Year)									
				(Wages rate in 15% increase of per year.)						
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	285934.37	0.00	285934.37	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	485423.47	0.00	485423.47	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	551919.84	0.00	551919.84	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	26598.55	0.00	26598.55	
5	Protection of Plants.		550.00	211343.55	0.00	211343.55	211343.55	0.00	211343.55	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	81852.65	81852.65	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	5191.50	5191.50	
	Total :-		651.50	250346.04	2515.00	252861.04	1561219.78	87044.15	1648263.93	
									441.90	
C	Maintenance Work (3rd Year)									
				(Wages rate in 15% increase of per year.)						
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	351765.78	0.00	351765.78	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	65495.96	65495.96	
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11	
4	Fencing repair	ha	1.00	441.90	0.00	441.90	91764.99	0.00	91764.99	

5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	45882.49	10036.90	55919.39
Total :-			757.00	334518.41	2182.40	336700.81	812000.36	75532.86	887533.23
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							508.19
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	404530.64	0.00	404530.64
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	44993.00	44993.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	52764.87	10036.90	62801.77
Total :-			756.00	384187.99	1590.00	385777.99	828270.69	55029.90	883300.59
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							584.41
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	465210.24	0.00	465210.24
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	17305.00	17305.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	121359.19	0.00	121359.19
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73
Total :-			389.00	227336.64	500.00	227836.64	799880.16	17305.00	817185.16
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							672.07
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
Total :-			365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							772.89
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
Total :-			365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							888.82
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
Total :-			365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1022.14
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
Total :-			365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1175.46
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06
Total :-			365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	4298406.99	279550.79	4577957.78
Completion Work (2nd Year)	1561219.78	87044.15	1648263.93
Maintenance Work (3rd Year)	812000.36	75532.86	887533.23
Maintenance Work (4th Year)	828270.69	55029.90	883300.59
Maintenance Work (5th Year)	799880.16	17305.00	817185.16
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
Total	9953733.56	514462.70	10468196.26
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			68069.29
Grand Total			10536265.55
Or Say -			10536266.00

Rs. One crore five lakh thirty six thousand two hundred sixty 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

Range Forest Officer
Tandwa Range

Countersigned

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
Amarpali Railway Siding
Financial Year 2022-23 to 2031-32

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Sisai	Gross Area	: 60.52 ha.
Thana & Thana No.	Tandwa- 42	Net Area	: 55.00 ha.
Name of Range	Tandwa Range	No. of Plants	: 1666 /ha.
Name of Block	Tandwa	Total Fencing	: 330.00 Chain
Plot No. -	1122, 1123, 1175, 1176	Wages Rate	: 334.14 /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	1002.42	0.00	1002.42	55133.10	0.00	55133.10
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	128643.90	0.00	128643.90
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (6Chain/ha, 25 mandays/chain)	chain	330 x 25 = 8250 MD	0.00	0.00	0.00	2756655.00	0.00	2756655.00
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	670786.05	0.00	670786.05
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	303232.05	0.00	303232.05
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	219395.00	219395.00
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	18377.70	0.00	18377.70	1010773.50	0.00	1010773.50
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	459442.50	0.00	459442.50
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	183777.00	0.00	183777.00
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8250.00	8250.00
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1243634.05	0.00	1243634.05
	Total		153.00	51123.42	4139.00	55262.42	6812077.15	227645.00	7039722.15
12	Per Pillar @ 4700.00 (Include GST)	No.	49	0.00	0.00	0.00	0.00	230300.00	230300.00
	Total			51123.42	4139.00	55262.42	6812077.15	457945.00	7270022.15
B	Completion Work (2nd Year)								384.26
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	454388.63	0.00	454388.63
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	771403.96	0.00	771403.96
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	877075.73	0.00	877075.73
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	42268.71	0.00	42268.71
5	Protection of Plants.		550.00	211343.55	0.00	211343.55	211343.55	0.00	211343.55
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	130075.00	130075.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	8250.00	8250.00
	Total :-		651.50	250346.04	2515.00	252861.04	2356480.58	138325.00	2494805.58
C	Maintenance Work (3rd Year)								441.90
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	559003.69	0.00	559003.69
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	104082.00	104082.00
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90	145827.05	0.00	145827.05

5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	72913.52	15950.00	88863.52
Total :-			757.00	334518.41	2182.40	336700.81	1100331.37	120032.00	1220363.37
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							508.19
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	642854.24	0.00	642854.24
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	71500.00	71500.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	83850.55	15950.00	99800.55
Total :-			756.00	384187.99	1590.00	385777.99	1097679.97	87450.00	1185129.97
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							584.41
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	739282.38	0.00	739282.38
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	27500.00	27500.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	192856.27	0.00	192856.27
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73
Total :-			389.00	227336.64	500.00	227836.64	1145449.38	27500.00	1172949.38
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							672.07
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
Total :-			365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)							772.89
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
Total :-			365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)							888.82
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
Total :-			365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)							1022.14
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
Total :-			365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)							1175.46
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06
Total :-			365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	6812077.15	457945.00	7270022.15
Completion Work (2nd Year)	2356480.58	138325.00	2494805.58
Maintenance Work (3rd Year)	1100331.37	120032.00	1220363.37
Maintenance Work (4th Year)	1097679.97	87450.00	1185129.97
Maintenance Work (5th Year)	1145449.38	27500.00	1172949.38
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
Total	14165974.04	831252.00	14997226.04
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			108171.36
Grand Total			15105397.40
Or Say -			15105397.00

Rs. One crore fifty one lakh five 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.

Submitted

Range Forest Officer
Tandwa Range

Countersigned

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)

Amarpali Railway Siding
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

Bargaon
Simaria- 208
Tandwa Range
Simaria
341, 342, 343, 347

Gross Area : 86.00 ha.
 Net Area : 80.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 480.00 Chain
 Wages Rate : 334.14 /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	1002.42	0.00	1002.42	80193.60	0.00	80193.60
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	187118.40	0.00	187118.40
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	480 x 25 = 12000 MD	0.00	0.00	0.00	4009680.00	0.00	4009680.00
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	975688.80	0.00	975688.80
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	441064.80	0.00	441064.80
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	319120.00	319120.00
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	18377.70	0.00	18377.70	1470216.00	0.00	1470216.00
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	668280.00	0.00	668280.00
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	267312.00	0.00	267312.00
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	12000.00	12000.00
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1794512.47	0.00	1794512.47
	Total		153.00	51123.42	4139.00	55262.42	9894066.07	331120.00	10225186.07
12	Per Pillar @ 4700.00 (Include GST)	No.	28	0.00	0.00	0.00	0.00	131600.00	131600.00
	Total			51123.42	4139.00	55262.42	9894066.07	462720.00	10356786.07
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							384.26
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	660928.92	0.00	660928.92
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	1122042.12	0.00	1122042.12
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	1275746.52	0.00	1275746.52
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	61481.76	0.00	61481.76
5	Protection of Plants.		550.00	211343.55	0.00	211343.55	211343.55	0.00	211343.55
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	189200.00	189200.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	12000.00	12000.00
	Total :-		651.50	250346.04	2515.00	252861.04	3331542.87	201200.00	3532742.87
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							441.90
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	813096.28	0.00	813096.28
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	151392.00	151392.00
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90	212112.07	0.00	212112.07

5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	106056.04	23200.00	129256.04	
Total :-				757.00	334518.41	2182.40	336700.81	1453851.49	174592.00	1628443.49
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)								508.19
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	935060.72	0.00	935060.72	
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	104000.00	104000.00	
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18	
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	121964.44	23200.00	145164.44	
Total :-				756.00	384187.99	1590.00	385777.99	1428000.33	127200.00	1555200.33
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)								584.41
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	1075319.83	0.00	1075319.83	
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	40000.00	40000.00	
3	Fencing repair	ha	1.00	584.41	0.00	584.41	280518.22	0.00	280518.22	
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	0.00	213310.73	
Total :-				389.00	227336.64	500.00	227836.64	1569148.77	40000.00	1609148.77
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)								672.07
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34	
Total :-				365.00	245307.34	0.00	245307.34	245307.34	0.00	245307.34
G	Maintenance Work (7th Year)	(Wages rate in 15% increase of per year.)								772.89
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44	
Total :-				365.00	282103.44	0.00	282103.44	282103.44	0.00	282103.44
H	Maintenance Work (8th Year)	(Wages rate in 15% increase of per year.)								888.82
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95	
Total :-				365.00	324418.95	0.00	324418.95	324418.95	0.00	324418.95
I	Maintenance Work (9th Year)	(Wages rate in 15% increase of per year.)								1022.14
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79	
Total :-				365.00	373081.79	0.00	373081.79	373081.79	0.00	373081.79
J	Maintenance Work (10th Year)	(Wages rate in 15% increase of per year.)								1175.46
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06	
Total :-				365.00	429044.06	0.00	429044.06	429044.06	0.00	429044.06

ABSTRACT

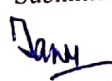
Work & Year	Wages	Materials	Total
Advance work 1st Year	9894066.07	462720.00	10356786.07
Completion Work (2nd Year)	3331542.87	201200.00	3532742.87
Maintenance Work (3rd Year)	1453851.49	174592.00	1628443.49
Maintenance Work (4th Year)	1428000.33	127200.00	1555200.33
Maintenance Work (5th Year)	1569148.77	40000.00	1609148.77
Maintenance Work (6th Year)	245307.34	0.00	245307.34
Maintenance Work (7th Year)	282103.44	0.00	282103.44
Maintenance Work (8th Year)	324418.95	0.00	324418.95
Maintenance Work (9th Year)	373081.79	0.00	373081.79
Maintenance Work (10th Year)	429044.06	0.00	429044.06
Total	19330565.11	1005712.00	20336277.11
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			157340.16
Grand Total			20493617.27
Or Say -			20493617.00

Rs. Two crore four lakh ninety three thousand six hundred seventeen only.

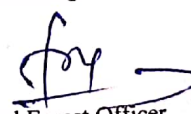
Note :-

- 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


Range Forest Officer
Tandwa Range

Countersigned


Divisional Forest Officer,
Chatra South Forest Division.