

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL, IN AMARPALI OCP, AREA (431.59 ha.)
 Financial Year 2022-23 to 2032-33

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

Compensatory Afforestation Scheme
 Changer
 Chatra-266
 Chatra Range
 Chatra
 IIP, 14, 15, 16, 17P

Gross Area : 78.87 ha.
 Net Area : 52.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 312 Chain
 Wages Rate : 334.14 /MD
 Spacing : 3m x 2m

Sl No.	Particulars	Prescribed Rate				Total	Estimated Amount (As Per site)			Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)		Wages (Rs)	Material (Rs)	Total Rs	
1	2	3	4	5	6	7	8	9	10	11
A	Advance work 1st Year									
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	52125.84	0.00	52125.84	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	121626.96	0.00	121626.96	
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 - 312 chains"	chain	2.00	668.28	1963.79	2632.07	208503.36	612702.48	821205.84	
4	Pit digging (Dimensiones 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	634197.72	0.00	634197.72	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	286692.12	0.00	286692.12	
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	207428.00	207428.00	
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	955640.40	0.00	955640.40	
	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	434382.00	0.00	434382.00	
	Gully plugging	ha	10.00	3341.40	0.00	3341.40	173752.80	0.00	173752.80	
9	Entry Point activity	ha	0.00	0.00	0.00	0.00	909765.72	0.00	909765.72	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7800.00	7800.00	
11	Total		155.00	51791.70	6102.79	57894.49	3776686.92	827930.48	4604617.40	
12	Per pillar@ 4700with GST	No.	126	0.00	0.00	0.00	0.00	592200.00	592200.00	
	Total			51791.70	6102.79	57894.49	3776686.92	1420130.48	5196817.40	
									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	429603.80	0.00	429603.80	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	729327.38	0.00	729327.38	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	829235.24	0.00	829235.24	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	39963.14	0.00	39963.14	
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	122980.00	122980.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7800.00	7800.00	
	Total		651.50	250346.04	2515.00	252861.04	2239473.11	130780.00	2370253.11	

Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)					141.90	
1	One Weeding	ha	23.00	10163.70	0.00	10163.70	528512.58	0.00
		ha	0.00	0.00	1892.40	1892.40	0.00	98101.80
2	Fertilizer		730.00	322587.11	0.00	322587.11	322587.11	0.00
3	Protection	Chain	1.00	441.90	0.00	441.90	137872.85	0.00
4	Fencing repair	ha	3.00	1325.70	290.00	1615.70	68936.42	15080.00
5	Casualty Replacement		757.00	334518.41	2182.40	336700.81	1057908.96	113484.80
Total :-								508.19
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)					607789.47	
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	607789.47	0.00
		ha	0.00	0.00	1300.00	1300.00	0.00	67600.00
2	Material (Seed, Fertilizer, Pesticide, etc.)		730.00	370975.18	0.00	370975.18	370975.18	0.00
3	Protection	ha	3.00	1524.56	290.00	1814.56	79276.89	15080.00
4	Casualty Replacement		756.00	384187.99	1590.00	385777.99	1058041.53	82680.00
Total :-								584.41
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)					698957.89	
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	698957.89	0.00
		ha	0.00	0.00	500.00	500.00	0.00	26000.00
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)		730.00	584.41	0.00	584.41	182336.84	0.00
3	Fencing repair	Chain	1.00	213310.73	0.00	213310.73	213310.73	0.00
4	Protection		365.00	227336.64	500.00	227836.64	1094605.45	26000.00
Total :-								672.07
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)					245307.34	
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	0.00
Total :-								772.89
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)					282103.44	
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	0.00
Total :-								888.82
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)					324418.95	
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	0.00
Total :-								1022.14
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)					373081.79	
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	0.00
Total :-								1175.46
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)					429044.06	
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	0.00
Total :-								429044.06

Work & Year		Wages	Materials	Total
Advance work 1st Year		3776686.92	1420130.48	5196817.40
Completion Work (2nd Year)		2239473.11	130780.00	2370253.11
Maintenance Work (3rd Year)		1057908.96	113484.80	1171393.76
Maintenance Work (4th Year)		1058041.53	82680.00	1140721.53
Maintenance Work (5th Year)		1094605.45	26000.00	1120605.45
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		10880671.54	1773075.28	12653746.82
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%				96842.30
Grand Total				12750589.13
Or Say -				12750589.00

Rs. One crore twenty seven lac fifty thousand five hundred eighty nine 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. dt.
- 3 Trench repair is as per S.O.R. of forest departmental estimate.
- 4 Provision of cattle watcher is as per S.O.R.

Submitted

Range Forest Officer
Chatra Range.

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN AMARPALI OCP, AREA (431.59 ha.)
Financial Year 2022-23 to 2032-33

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
3872P, 3873, 3874

Gross Area	:	59.99 ha.
Net Area	:	50.00 ha.
No. of Plants	:	1666 /ha.
Total Fencing	:	300 Chain
Wages Rate	:	334.14 /MD
Spacing	:	3m x 2m

Sl No.	Particulars	Prescribed Rate				Total	Estimated Amount (As Per site)			Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)		Wages (Rs)	Material (Rs)	Total Rs	
1	2	3	4	5	6	7	8	9	10	11
A	Advance work 1st Year									
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	50121.00	0.00	50121.00	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	116949.00	0.00	116949.00	
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 - 300 chains"	chain	2.00	668.28	1963.79	2632.07	200484.00	589137.00	789621.00	
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	609805.50	0.00	609805.50	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	275665.50	0.00	275665.50	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	199450.00	199450.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between	ha	55.00	18377.70	0.00	18377.70	918885.00	0.00	918885.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	417675.00	0.00	417675.00	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	167070.00	0.00	167070.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	875994.02	0.00	875994.02	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
	Total		155.00	51791.70	6102.79	57894.49	3632649.02	796087.00	4428736.02	
12	Per pillar @ 4700 with GST	No.	12	0.00	0.00	0.00	0.00	56400.00	56400.00	
	Total			51791.70	6102.79	57894.49	3632649.02	852487.00	4485136.02	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	413080.58	0.00	413080.58	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	701276.33	0.00	701276.33	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	797341.58	0.00	797341.58	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	38426.10	0.00	38426.10	
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	118250.00	118250.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
	Total :-		651.50	250346.04	2515.00	252861.04	2161468.13	125750.00	2287218.13	

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	508185.17	508185.17
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	94620.00
3	Protection		730.00	322587.11	0.00	322587.11	0.00	322587.11
4	Fencing repair	Chain	1.00	441.90	0.00	441.90	132570.05	132570.05
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	66285.02	80785.02
Total :-			757.00	334518.41	2182.40	336700.81	1029627.35	109120.00
Total :-								508.19
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)						
1	One Weeding and One Hoeing	ha	23.00	11688.26	0.00	11688.26	584412.95	584412.95
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	65000.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	76227.78	14500.00
Total :-			756.00	384187.99	1590.00	385777.99	1031615.90	79500.00
Total :-								584.41
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)						
1	One Weeding and Hoeing	ha	23.00	13441.50	0.00	13441.50	672074.89	672074.89
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	25000.00
3	Fencing repair	Chain	1.00	584.41	0.00	584.41	175323.88	175323.88
4	Protection		365.00	213310.73	0.00	213310.73	213310.73	213310.73
Total :-			389.00	227336.64	500.00	227836.64	1060709.50	25000.00
Total :-								672.07
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)						
1	Protection		365.00	245307.34	0.00	245307.34	245307.34	245307.34
Total :-			365.00	245307.34	0.00	245307.34	245307.34	772.89
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)						
1	Protection		365.00	282103.44	0.00	282103.44	282103.44	282103.44
Total :-			365.00	282103.44	0.00	282103.44	282103.44	888.82
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)						
1	Protection		365.00	324418.95	0.00	324418.95	324418.95	324418.95
Total :-			365.00	324418.95	0.00	324418.95	324418.95	1022.14
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)						
1	Protection		365.00	373081.79	0.00	373081.79	373081.79	373081.79
Total :-			365.00	373081.79	0.00	373081.79	373081.79	1175.46
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)						
1	Protection		365.00	429044.06	0.00	429044.06	429044.06	429044.06
Total :-			365.00	429044.06	0.00	429044.06	429044.06	429044.06

Work & Year		Wages		Materials		Total
Advance work 1st Year		3632649.02		852487.00		4485136.02
Completion Work (2nd Year)		2161468.13		125750.00		2287218.13
Maintenance Work (3rd Year)		1029627.35		109120.00		1138747.35
Maintenance Work (4th Year)		1031615.90		79500.00		1111115.90
Maintenance Work (5th Year)		1060709.50		25000.00		1085709.50
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		10570025.47		1191857.00		11761882.47
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%				93117.60		11855000.07
Grand Total				Or Say -		11855000.00

Rs. One crore eighteen lac fifty five thousand 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. dt.
- 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
Chatra Range

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION,
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN AMARPALI OCP, AREA (431.59 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme **Compensatory Afforestation Scheme**
Name of Site **Kurlonga**
Thana & Thana No. **Tandwa- 26**
Name of Range **Tandwa**
Name of Block **Tandwa**
Plot No. - **402P**

Gross Area **25.17 ha.**
Net Area **25.00 ha.**
No. of Plants **1666 ha.**
Total Fencing **150 Chain**
Wages Rate **334.14 MD**
Spacing **3m x 2m**

Sl No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)			Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)	Total	Wages (Rs)	Material (Rs)	
1	2	3	4	5	6	7	8	9	10
A	Advance work 1st Year								
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	25060.50	0.00	25060.50
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	58474.50	0.00	58474.50
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 - 150 chains"	chain	2.00	668.28	1963.79	2632.07	100242.00	294568.50	394810.50
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	304902.75	0.00	304902.75
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	137832.75	0.00	137832.75
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	99725.00	99725.00
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	459442.50	0.00	459442.50
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	208837.50	0.00	208837.50
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	83535.00	0.00	83535.00
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	437997.01	0.00	437997.01
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	3750.00	3750.00
	Total		155.00	51791.70	6102.79	57894.49	1816324.51	398043.50	2214368.01
12	Per pillar@ 4700with GST	No.	40	0.00	0.00	0.00	0.00	188000.00	188000.00
	Total			51791.70	6102.79	57894.49	1816324.51	586043.50	2402368.01
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	206540.29	0.00	206540.29
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	350638.16	0.00	350638.16
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	398670.79	0.00	398670.79
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	19213.05	0.00	19213.05
5	Protection of Plants.		275.00	105671.78	0.00	105671.78	105671.78	0.00	105671.78
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	59125.00	59125.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	3750.00	3750.00
	Total :-		376.50	144674.27	2515.00	147189.27	1080734.06	62875.00	1143609.06

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	254092.59	0.00	254092.59
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	47310.00	47310.00
3	Protection		365.00	161293.55	0.00	161293.55	161293.55	0.00	161293.55
4	Fencing repair	chain	1.00	441.90	0.00	441.90	66285.02	0.00	66285.02
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	33142.51	7250.00	40392.51
Total :-			392.00	173224.86	2182.40	175407.26	514813.67	54560.00	569373.67
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	292206.47	0.00	292206.47
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	32500.00	32500.00
3	Protection		365.00	185487.59	0.00	185487.59	185487.59	0.00	185487.59
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	38113.89	7250.00	45363.89
Total :-			391.00	198700.40	1590.00	200290.40	515807.95	39750.00	555557.95
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	336037.45	0.00	336037.45
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	12500.00	12500.00
3	Fencing repair	Chai	1.00	584.41	0.00	584.41	87661.94	0.00	87661.94
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	637010.11	12500.00	649510.11
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	1816324.51	586043.50	2402368.01
Completion Work (2nd Year)	1080734.06	62875.00	1143609.06
Maintenance Work (3rd Year)	514813.67	54560.00	569373.67
Maintenance Work (4th Year)	515807.95	39750.00	555557.95
Maintenance Work (5th Year)	637010.11	12500.00	649510.11
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	6218645.89	755728.50	6974374.39
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			46558.80
Grand Total			7020933.19
Or Say -			7020933.00

Rs. Seventy lac twenty thousand nine hundred thirty three only.

Note :-

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F. Dev., Jharkhand, Ranchi office letter no. dt.
- 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.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

498

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

Compensatory Afforestation Scheme
Mali
Simariya-74
Lawalong Range
Lawalong
144P,145,146

Gross Area : 64.70 ha.
 Net Area : 50.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 210.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	48273.00	0.00	48273.00	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	112637.00	0.00	112637.00	
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (Chain/ha)	chain	2.00	643.64	1963.79	2607.43	135164.40	412395.90	547560.30	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	587321.50	0.00	587321.50	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	265501.50	0.00	265501.50	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	199450.00	199450.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	17700.10	0.00	17700.10	885005.00	0.00	885005.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	402275.00	0.00	402275.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	160910.00	0.00	160910.00	
10	Try Point activity	ha	0.00	0.00	0.00	0.00	812705.24	0.00	812705.24	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
Total			155.00	49882.10	6102.79	55984.89	3409792.64	619345.90	4029138.54	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	84.00	0.00	0.00	0.00	0.00	544992.00	544992.00	
Total				49882.10	6102.79	55984.89	3409792.64	1164337.90	4574130.54	
			(Wages rate in 15% increase of per year.)						370.09	
B	Completion Work (2nd Year)									
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	397849.98	0.00	397849.98	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	675419.73	0.00	675419.73	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	767942.98	0.00	767942.98	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	31087.81	0.00	31087.81	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	118250.00	118250.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7500.00	7500.00	
Total :-			649.90	240523.44	2515.00	243038.44	2075851.64	125750.00	2201601.64	
			(Wages rate in 15% increase of per year.)						425.61	
C	Maintenance Work (3rd Year)									

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	489447.99	0.00	489447.99
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	94620.00	94620.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	89377.46	0.00	89377.46
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	63841.04	14500.00	78341.04
Total :-			757.00	322184.46	2182.40	324366.86	953359.57	109120.00	1062479.57
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	562865.19	0.00	562865.19
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	65000.00	65000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	73417.20	14500.00	87917.20
Total :-			756.00	370022.68	1590.00	371612.68	993579.42	79500.00	1073079.42
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	647294.97	0.00	647294.97
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	25000.00	25000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	118201.69	0.00	118201.69
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1176388.25	25000.00	1201388.25
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	3409792.64	1164337.90	4574130.54
Completion Work (2nd Year)	2075851.64	125750.00	2201601.64
Maintenance Work (3rd Year)	953359.57	109120.00	1062479.57
Maintenance Work (4th Year)	993579.42	79500.00	1073079.42
Maintenance Work (5th Year)	1176388.25	25000.00	1201388.25
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	11794917.43	1503707.90	13298625.33
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			93117.60
Grand Total			13391742.93
Or Say -			13391743.00

Rs. One crore thirty three lac ninety one thousand seven hundred forty three only.

Note :-

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

Submitted by

Range Forest Officer,
Lawalong Range.

Countersigned By

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

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

Compensatory Afforestation Scheme
Ulatu alias Simratari PF
Tandwa- 67
Tandwa Range
Tandwa
663,665,666

Gross Area : 53.26 ha.
 Net Area : 48.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 200.00 Chain
 Wages Rate : 321.82 /MD
 Spacing : 3m x 2m

Spacing : 3m x 2m										Remarks
SI No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)				
		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	965.46	0.00	965.46	46342.08	0.00	46342.08	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	108131.52	0.00	108131.52	
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)	chain	2.00	643.64	1963.79	2607.43	128728.00	392758.00	521486.00	
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	563828.64	0.00	563828.64	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	254881.44	0.00	254881.44	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	191472.00	191472.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	17700.10	0.00	17700.10	849604.80	0.00	849604.80	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	386184.00	0.00	386184.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	154473.60	0.00	154473.60	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	780757.03	0.00	780757.03	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7200.00	7200.00	
Total			155.00	49882.10	6102.79	55984.89	3272931.11	591430.00	3864361.11	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	80.00	0.00	0.00	0.00	0.00	519040.00	519040.00	
Total				49882.10	6102.79	55984.89	3272931.11	1110470.00	4383401.11	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	381935.98	0.00	381935.98	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	648402.94	0.00	648402.94	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	737225.26	0.00	737225.26	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	29607.44	0.00	29607.44	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	113520.00	113520.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7200.00	7200.00	
Total :-			649.90	240523.44	2515.00	243038.44	2000722.76	120720.00	2121442.76	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

F:\EC Act 2018\Amrapali OCP Phase-II (431.59 ha.)\Estimate

Page

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	469870.07	0.00	469870.07
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	90835.20	90835.20
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	85121.39	0.00	85121.39
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	61287.40	13920.00	75207.40
Total :-			757.00	322184.46	2182.40	324366.86	926971.94	104755.20	1031727.14
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	540350.58	0.00	540350.58
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	62400.00	62400.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	70480.51	13920.00	84400.51
Total :-			756.00	370022.68	1590.00	371612.68	968128.13	76320.00	1044448.13
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	621403.17	0.00	621403.17
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	24000.00	24000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	112573.04	0.00	112573.04
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1144867.80	24000.00	1168867.80
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

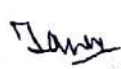
Work & Year	Wages	Materials	Total
Advance work 1st Year	3272931.11	1110470.00	4383401.11
Completion Work (2nd Year)	2000722.76	120720.00	2121442.76
Maintenance Work (3rd Year)	926971.94	104755.20	1031727.14
Maintenance Work (4th Year)	968128.13	76320.00	1044448.13
Maintenance Work (5th Year)	1144867.80	24000.00	1168867.80
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	11499567.64	1436265.20	12935832.84
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			89392.90
Grand Total			13025225.74
Or Say -			13025226.00

Rs. One crore thirty lac twenty five thousand two hundred twenty six only.

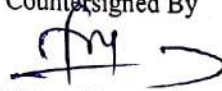
Note :-

- 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


Range Forest Officer,
Tandwa Range.

Countersigned By


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

496

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

Compensatory Afforestation Scheme
Katiya
Simariya- 75
Lawalong Range
lawalong
168P,169P,173,174,177

Gross Area : 71.65 ha.
 Net Area : 60.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 222.00 Chain
 Wages Rate : 321.82 /MD
 Spacing : 3m x 2m

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	965.46	0.00	965.46	57927.60	0.00	57927.60	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	135164.40	0.00	135164.40	
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) (Chain/ha)	chain	2.00	643.64	1963.79	2607.43	142888.08	435961.38	578849.46	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	704785.80	0.00	704785.80	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	318601.80	0.00	318601.80	
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	239340.00	239340.00	
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	17700.10	0.00	17700.10	1062006.00	0.00	1062006.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	482730.00	0.00	482730.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	193092.00	0.00	193092.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	956740.15	0.00	956740.15	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9000.00	9000.00	
Total				155.00	49882.10	6102.79	55984.89	4053935.83	684301.38	4738237.21
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	89.00	0.00	0.00	0.00	0.00	577432.00	577432.00	
Total					49882.10	6102.79	55984.89	4053935.83	1261733.38	5315669.21
B Completion Work (2nd Year)		(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	477419.97	0.00	477419.97	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	810503.67	0.00	810503.67	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	921531.57	0.00	921531.57	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	32864.26	0.00	32864.26	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	141900.00	141900.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	9000.00	9000.00	
Total :-				649.90	240523.44	2515.00	243038.44	2445870.62	150900.00	2596770.62
C Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)								425.61

F:\FC Act 2018\Amarpali OCP Phase-II (431.59 ha.)\Estimate

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	587337.59	0.00	587337.59
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113544.00	113544.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	94484.74	0.00	94484.74
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	76609.25	17400.00	94009.25
Total :-			757.00	322184.46	2182.40	324366.86	1069124.66	130944.00	1200068.66
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	675438.23	0.00	675438.23
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	78000.00	78000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	88100.64	17400.00	105500.64
Total :-			756.00	370022.68	1590.00	371612.68	1120835.90	95400.00	1216235.90
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	776753.96	0.00	776753.96
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	30000.00	30000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	124956.07	0.00	124956.07
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1312601.63	30000.00	1342601.63
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

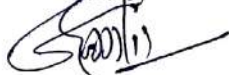
Work & Year	Wages	Materials	Total
Advance work 1st Year	4053935.83	1261733.38	5315669.21
Completion Work (2nd Year)	2445870.62	150900.00	2596770.62
Maintenance Work (3rd Year)	1069124.66	130944.00	1200068.66
Maintenance Work (4th Year)	1120835.90	95400.00	1216235.90
Maintenance Work (5th Year)	1312601.63	30000.00	1342601.63
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	13188314.55	1668977.38	14857291.93
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			111741.12
Grand Total			14969033.05
Or Say -			14969033.00

Rs. One crore forty nine lac sixty nine thousand thirty three only.

Note :-

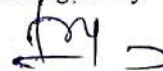
- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- 3 Trench repair is as per S.O.R. of forest departmental estimate.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

Submitted by



Range Forest Officer,
Lawalong Range.

Counter signed By



Divisional Forest Officer,
Chatra South Forest Division.

494

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

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

Compensatory Afforestation Scheme
Kanti
Itkhor-216
Lawalong Range
Itkhor
1P, 63

Gross Area : 64.00 ha.
 Net Area : 60.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 290.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	57927.60	0.00	57927.60	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	135164.40	0.00	135164.40	
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) Chain/ha)	chain	2.00	643.64	1963.79	2607.43	186655.60	569499.10	756154.70	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	704785.80	0.00	704785.80	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	318601.80	0.00	318601.80	
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	239340.00	239340.00	
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	17700.10	0.00	17700.10	1062006.00	0.00	1062006.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	482730.00	0.00	482730.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	193092.00	0.00	193092.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	984845.92	0.00	984845.92	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9000.00	9000.00	
Total			155.00	49882.10	6102.79	55984.89	4125809.12	817839.10	4943648.22	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	117.00	0.00	0.00	0.00	0.00	759096.00	759096.00	
Total				49882.10	6102.79	55984.89	4125809.12	1576935.10	5702744.22	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	477419.97	0.00	477419.97	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	810503.67	0.00	810503.67	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	921531.57	0.00	921531.57	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	42930.79	0.00	42930.79	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	141900.00	141900.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	9000.00	9000.00	
Total :-			649.90	240523.44	2515.00	243038.44	2455937.15	150900.00	2606837.15	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

F:\FC Act 2018\Amrapali OCP Phase-II (431.59 ha.)\Estimate

Page

F:\FC Act 2018\Amarpali OCP Phase-II (431.59 ha.)\Estimate

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	587337.59	0.00	587337.59
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113544.00	113544.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	123426.02	0.00	123426.02
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	76609.25	17400.00	94009.25
Total :-			757.00	322184.46	2182.40	324366.86	1098065.93	130944.00	1229009.93
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	675438.23	0.00	675438.23
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	78000.00	78000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	88100.64	17400.00	105500.64
Total :-			756.00	370022.68	1590.00	371612.68	1120835.90	95400.00	1216235.90
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	776753.96	0.00	776753.96
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	30000.00	30000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	163230.91	0.00	163230.91
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1350876.46	30000.00	1380876.46
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

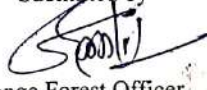
Work & Year	Wages	Materials	Total
Advance work 1st Year	4125809.12	1576935.10	5702744.22
Completion Work (2nd Year)	2455937.15	150900.00	2606837.15
Maintenance Work (3rd Year)	1098065.93	130944.00	1229009.93
Maintenance Work (4th Year)	1120835.90	95400.00	1216235.90
Maintenance Work (5th Year)	1350876.46	30000.00	1380876.46
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	13337470.47	1984179.10	15321649.57
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			111741.12
Grand Total			15433390.69
Or Say -			15433391.00

Rs. One crore fifty four lac thirty three thousand three hundred ninety one only.

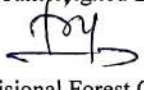
Note :-

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

Submitted by


Range Forest Officer,
Lawalong Range.

Counter signed By


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

491

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

Compensatory Afforestation Scheme
Parwani
Itkhor-05
Lawalong Range
Itkhor
2,3,5,6,7,8

Gross Area : 66.39 ha.
 Net Area : 60.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 205.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	57927.60	0.00	57927.60
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	135164.40	0.00	135164.40
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) Chain/ha)	chain	2.00	643.64	1963.79	2607.43	131946.20	402576.95	534523.15
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	704785.80	0.00	704785.80
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	318601.80	0.00	318601.80
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	239340.00	239340.00
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	17700.10	0.00	17700.10	1062006.00	0.00	1062006.00
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	482730.00	0.00	482730.00
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	193092.00	0.00	193092.00
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	949713.71	0.00	949713.71
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9000.00	9000.00
Total			155.00	49882.10	6102.79	55984.89	4035967.51	650916.95	4686884.46
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	82.00	0.00	0.00	0.00	0.00	532016.00	532016.00
Total				49882.10	6102.79	55984.89	4035967.51	1182932.95	5218900.46
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	477419.97	0.00	477419.97
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	810503.67	0.00	810503.67
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	921531.57	0.00	921531.57
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	30347.63	0.00	30347.63
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	141900.00	141900.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	9000.00	9000.00
Total :-			649.90	240523.44	2515.00	243038.44	2443353.99	150900.00	2594253.99
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	587337.59	0.00	587337.59
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113544.00	113544.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	87249.42	0.00	87249.42
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	76609.25	17400.00	94009.25
Total :-			757.00	322184.46	2182.40	324366.86	1061889.34	130944.00	1192833.34
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	675438.23	0.00	675438.23
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	78000.00	78000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	88100.64	17400.00	105500.64
Total :-			756.00	370022.68	1590.00	371612.68	1120835.90	95400.00	1216235.90
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	776753.96	0.00	776753.96
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	30000.00	30000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	115387.36	0.00	115387.36
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1303032.92	30000.00	1333032.92
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	4035967.51	1182932.95	5218900.46
Completion Work (2nd Year)	2443353.99	150900.00	2594253.99
Maintenance Work (3rd Year)	1061889.34	130944.00	1192833.34
Maintenance Work (4th Year)	1120835.90	95400.00	1216235.90
Maintenance Work (5th Year)	1303032.92	30000.00	1333032.92
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	13151025.57	1590176.95	14741202.52
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			111741.12
Grand Total			14852943.64
Or Say -			14852944.00

Rs. One crore forty eight lac fifty two thousand nine hundred forty four only.

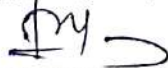
Note :-

- 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


Range Forest Officer,
Lawalong Range.

Courtesy Signed By


Divisional Forest Officer,
Chatra South Forest Division.

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Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

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

Compensatory Afforestation Scheme
Mahesha
Itkhor-261
Lawalong Range
Mayurhund
50,53,4474

Gross Area : 68.81 ha.
 Net Area : 55.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 310.00 Chain
 Wages Rate : 321.82 /MD
 Spacing : 3m x 2m

		Spacing : 3m x 2m								Remarks
SI No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)				
		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	965.46	0.00	965.46	53100.30	0.00	53100.30	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	123900.70	0.00	123900.70	
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)	chain	2.00	643.64	1963.79	2607.43	199528.40	608774.90	808303.30	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	646053.65	0.00	646053.65	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	292051.65	0.00	292051.65	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	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	17700.10	0.00	17700.10	973505.50	0.00	973505.50	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	442502.50	0.00	442502.50	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	177001.00	0.00	177001.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	923574.78	0.00	923574.78	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8250.00	8250.00	
Total			155.00	49882.10	6102.79	55984.89	3831218.48	836419.90	4667638.38	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	125.00	0.00	0.00	0.00	0.00	811000.00	811000.00	
Total				49882.10	6102.79	55984.89	3831218.48	1647419.90	5478638.38	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	437634.97	0.00	437634.97	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	742961.70	0.00	742961.70	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	844737.27	0.00	844737.27	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	45891.53	0.00	45891.53	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
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 :-			649.90	240523.44	2515.00	243038.44	2274776.62	138325.00	2413101.62	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	538392.79	0.00	538392.79
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	104082.00	104082.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	131938.15	0.00	131938.15
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	70225.15	15950.00	86175.15
Total :-			757.00	322184.46	2182.40	324366.86	1051249.17	120032.00	1171281.17
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	619151.71	0.00	619151.71
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	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	80758.92	15950.00	96708.92
Total :-			756.00	370022.68	1590.00	371612.68	1057207.66	87450.00	1144657.66
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	712024.47	0.00	712024.47
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	562.87	0.00	562.87	174488.21	0.00	174488.21
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1297404.27	27500.00	1324904.27
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	3831218.48	1647419.90	5478638.38
Completion Work (2nd Year)	2274776.62	138325.00	2413101.62
Maintenance Work (3rd Year)	1051249.17	120032.00	1171281.17
Maintenance Work (4th Year)	1057207.66	87450.00	1144657.66
Maintenance Work (5th Year)	1297404.27	27500.00	1324904.27
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	12697802.12	2020726.90	14718529.02
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			102429.36
Grand Total			14820958.38
Or Say -			14820958.00

Rs. One crore forty eight lac twenty thousand nine hundred fifty eight only.

Note :-

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

Submitted by

Range Forest Officer,
Lawalong Range.

Countersigned By

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL Amarpali OCP Phase -II Project
 Financial Year 2021-22 to 2030-31

503

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

Compensatory Afforestation Scheme
 Jojowari
 Simariya-90
 Lawalong Range
 Lawalong
 118, 120, 121

Gross Area : 68.09 ha.
 Net Area : 50.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 215.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	48273.00	0.00	48273.00
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	112637.00	0.00	112637.00
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (6Chain/ha)	chain	2.00	643.64	1963.79	2607.43	138382.60	422214.85	560597.45
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	587321.50	0.00	587321.50
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	265501.50	0.00	265501.50
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	199450.00	199450.00
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	17700.10	0.00	17700.10	885005.00	0.00	885005.00
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	402275.00	0.00	402275.00
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	160910.00	0.00	160910.00
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	814771.84	0.00	814771.84
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7500.00	7500.00
Total			155.00	49882.10	6102.79	55984.89	3415077.44	629164.85	4044242.29
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	87.00	0.00	0.00	0.00	0.00	564456.00	564456.00
Total				49882.10	6102.79	55984.89	3415077.44	1193620.85	4608698.29
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	397849.98	0.00	397849.98
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	675419.73	0.00	675419.73
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	767942.98	0.00	767942.98
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	31828.00	0.00	31828.00
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	118250.00	118250.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7500.00	7500.00
Total :-			649.90	240523.44	2515.00	243038.44	2076591.82	125750.00	2202341.82
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	489447.99	0.00	489447.99
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	94620.00	94620.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	91505.49	0.00	91505.49
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	63841.04	14500.00	78341.04
Total :-			757.00	322184.46	2182.40	324366.86	955487.60	109120.00	1064607.60
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	562865.19	0.00	562865.19
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	65000.00	65000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	73417.20	14500.00	87917.20
Total :-			756.00	370022.68	1590.00	371612.68	993579.42	79500.00	1073079.42
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	647294.97	0.00	647294.97
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	25000.00	25000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	121016.02	0.00	121016.02
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1179202.58	25000.00	1204202.58
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

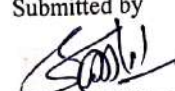
ABSTRACT

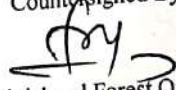
Work & Year	Wages	Materials	Total
Advance work 1st Year	3415077.44	1193620.85	4608698.29
Completion Work (2nd Year)	2076591.82	125750.00	2202341.82
Maintenance Work (3rd Year)	955487.60	109120.00	1064607.60
Maintenance Work (4th Year)	993579.42	79500.00	1073079.42
Maintenance Work (5th Year)	1179202.58	25000.00	1204202.58
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	11805884.78	1532990.85	13338875.63
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			93117.60
Grand Total			13431993.23
Or Say -			13431993.00

Rs. One crore thirty four lac thirty one thousand nine hundred ninety three 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

Range Forest Officer,
Lawalong Range.

Countersigned By

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

502

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	79.68 ha.
Name of Site	Jaspur	Net Area	74.00 ha.
Thana & Thana No.	Itkhor-111	No. of Plants	1666 /ha.
Name of Range	Lawalong Range	Total Fencing	220.00 Chain
Name of Block	Itkhor	Wages Rate	321.82 /MD
Plot No. -	1,2,60,62,64	Spacing	3m x 2m

Sl No.	Particulars	Prescribed Rate				Estimated Amount (As Per site)			Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)	Total	Wages (Rs)	Material (Rs)	
1	2	3	4	5	6	7	8	9	10
A	Advance work 1st Year								
1	Survey and Demarcation	ha	3.00	965.46	0.00	965.46	71444.04	0.00	71444.04
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	166702.76	0.00	166702.76
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)	chain	2.00	643.64	1963.79	2607.43	141600.80	432033.80	573634.60
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	869235.82	0.00	869235.82
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	392942.22	0.00	392942.22
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	295186.00	295186.00
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	17700.10	0.00	17700.10	1309807.40	0.00	1309807.40
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	595367.00	0.00	595367.00
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	238146.80	0.00	238146.80
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1150618.61	0.00	1150618.61
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	11100.00	11100.00
Total			155.00	49882.10	6102.79	55984.89	4935865.45	738319.80	5674185.25
12	As per condition no. 2(b) Vide MoEF Letter no. FP/JH/TRANS/35719/2013/3221 dated 18.06.2019 Construction of forest Boundary Pillar (Per Pillar @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	89.00	0.00	0.00	0.00	0.00	577432.00	577432.00
Total				49882.10	6102.79	55984.89	4935865.45	1315751.80	6251617.25
B		(Wages rate in 15% increase of per year.)							
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	588817.96	0.00	588817.96
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	999621.19	0.00	999621.19
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	1136555.60	0.00	1136555.60
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	32568.18	0.00	32568.18
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	175010.00	175010.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	11100.00	11100.00
Total :-			649.90	240523.44	2515.00	243038.44	2961114.09	186110.00	3147224.09
C		(Wages rate in 15% increase of per year.)							
Maintenance Work (3rd Year)		(Estimate)							
Total :-									425.61

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	724383.03	0.00	724383.03
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	140037.60	140037.60
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	93633.53	0.00	93633.53
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	94484.74	21460.00	115944.74
Total :-			757.00	322184.46	2182.40	324366.86	1223194.37	161497.60	1384691.97
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	833040.48	0.00	833040.48
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	96200.00	96200.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	108657.45	21460.00	130117.45
Total :-			756.00	370022.68	1590.00	371612.68	1298994.97	117660.00	1416654.97
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	957996.56	0.00	957996.56
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	37000.00	37000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	123830.34	0.00	123830.34
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1492718.49	37000.00	1529718.49
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

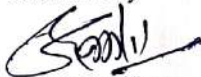
Work & Year	Wages	Materials	Total
Advance work 1st Year	4935865.45	1315751.80	6251617.25
Completion Work (2nd Year)	2961114.09	186110.00	3147224.09
Maintenance Work (3rd Year)	1223194.37	161497.60	1384691.97
Maintenance Work (4th Year)	1298994.97	117660.00	1416654.97
Maintenance Work (5th Year)	1492718.49	37000.00	1529718.49
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	15097833.29	1818019.40	16915852.69
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			137814.05
Grand Total			17053666.74
Or Say -			17053667.00

Rs. One crore seventy lac fifty three thousand six hundred sixty seven only.

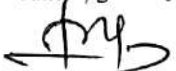
Note :-

- 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


Range Forest Officer,
Lawalong Range.

Countersigned By


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL Amarpali OCP Phase -II Project
 Financial Year 2021-22 to 2030-31

501

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

Compensatory Afforestation Scheme
 Mahuari
 Itkhor- 232
 Lawalong Range
 Mayurhund
 1228,1229,1230P

Gross Area : 71.63 ha.
 Net Area : 60.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 205.00 Chain
 Wages Rate : 321.82 /MD
 Spacing : 3m x 2m

		Spacing : 3m x 2m				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	965.46	0.00	965.46	57927.60	0.00	57927.60	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	135164.40	0.00	135164.40	
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)	chain	2.00	643.64	1963.79	2607.43	131946.20	402576.95	534523.15	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	704785.80	0.00	704785.80	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	318601.80	0.00	318601.80	
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	239340.00	239340.00	
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	17700.10	0.00	17700.10	1062006.00	0.00	1062006.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	482730.00	0.00	482730.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	193092.00	0.00	193092.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	949713.71	0.00	949713.71	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9000.00	9000.00	
Total			155.00	49882.10	6102.79	55984.89	4035967.51	650916.95	4686884.46	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	82.00	0.00	0.00	0.00	0.00	532016.00	532016.00	
Total				49882.10	6102.79	55984.89	4035967.51	1182932.95	5218900.46	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	477419.97	0.00	477419.97	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	810503.67	0.00	810503.67	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	921531.57	0.00	921531.57	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	30347.63	0.00	30347.63	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	141900.00	141900.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	9000.00	9000.00	
Total :-			649.90	240523.44	2515.00	243038.44	2443353.99	150900.00	2594253.99	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

F:\EC Act 2018\Amrapali OCP Phase-II (431.59 ha.)\Estimate

Page

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	587337.59	0.00	587337.59
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113544.00	113544.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	87249.42	0.00	87249.42
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	76609.25	17400.00	94009.25
Total :-			757.00	322184.46	2182.40	324366.86	1061889.34	130944.00	1192833.34
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	675438.23	0.00	675438.23
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	78000.00	78000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	88100.64	17400.00	105500.64
Total :-			756.00	370022.68	1590.00	371612.68	1120835.90	95400.00	1216235.90
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	776753.96	0.00	776753.96
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	30000.00	30000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	115387.36	0.00	115387.36
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1303032.92	30000.00	1333032.92
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Materials	Total
Advance work 1st Year	4035967.51	1182932.95	5218900.46
Completion Work (2nd Year)	2443353.99	150900.00	2594253.99
Maintenance Work (3rd Year)	1061889.34	130944.00	1192833.34
Maintenance Work (4th Year)	1120835.90	95400.00	1216235.90
Maintenance Work (5th Year)	1303032.92	30000.00	1333032.92
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	13151025.57	1590176.95	14741202.52
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			111741.12
Grand Total			14852943.64
Or Say -			14852944.00

Rs. One crore forty eight lac fifty two thousand nine hundred forty four only.

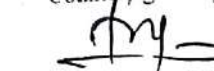
Note :-

- 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


Range Forest Officer,
Lawalong Range.

Counter signed By


Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL Amarpali OCP Phase -II Project
 Financial Year 2021-22 to 2030-31

493

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

Compensatory Afforestation Scheme

Ramtunda
Chatra-138
Chatra Range
Chatra
1790,1781,1765,1763

Gross Area : 115.33 ha.
 Net Area : 103.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 360.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	99442.38	0.00	99442.38	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	232032.22	0.00	232032.22	
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) (Chain/ha)	chain	2.00	643.64	1963.79	2607.43	231710.40	706964.40	938674.80	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	1209882.29	0.00	1209882.29	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	546933.09	0.00	546933.09	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	410867.00	410867.00	
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	17700.10	0.00	17700.10	1823110.30	0.00	1823110.30	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	828686.50	0.00	828686.50	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	331474.60	0.00	331474.60	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1611801.12	0.00	1611801.12	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	15450.00	15450.00	
Total			155.00	49882.10	6102.79	55984.89	6915072.90	1133281.40	8048354.30	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	145.00	0.00	0.00	0.00	0.00	940760.00	940760.00	
Total				49882.10	6102.79	55984.89	6915072.90	2074041.40	8989114.30	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	819570.95	0.00	819570.95	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	1391364.63	0.00	1391364.63	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	1581962.53	0.00	1581962.53	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	53293.39	0.00	53293.39	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	243595.00	243595.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	15450.00	15450.00	
Total :-			649.90	240523.44	2515.00	243038.44	4049742.65	259045.00	4308787.65	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	1008262.86	0.00	1008262.86
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	194917.20	194917.20
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	153218.50	0.00	153218.50
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	131512.55	29870.00	161382.55
Total :-			757.00	322184.46	2182.40	324366.86	1603686.99	224787.20	1828474.19
									489.45
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	1159502.29	0.00	1159502.29
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	133900.00	133900.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	151239.43	29870.00	181109.43
Total :-			756.00	370022.68	1590.00	371612.68	1668038.76	163770.00	1831808.76
									562.87
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	1333427.64	0.00	1333427.64
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	51500.00	51500.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	202631.47	0.00	202631.47
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1946950.70	51500.00	1998450.70
									647.29
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
									744.39
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
									856.05
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
									984.45
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
									1132.12
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	6915072.90	2074041.40	8989114.30
Completion Work (2nd Year)	4049742.65	259045.00	4308787.65
Maintenance Work (3rd Year)	1603686.99	224787.20	1828474.19
Maintenance Work (4th Year)	1668038.76	163770.00	1831808.76
Maintenance Work (5th Year)	1946950.70	51500.00	1998450.70
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	19369437.91	2773143.60	22142581.51
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			191822.26
Grand Total			22334403.77
Or Say -			22334404.00

Rs. Two crore twenty three lac thirty four thousand four hundred four 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



Range Forest Officer,
Chatra Range.

Counter Signed By



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL Amarpali OCP Phase -II Project
 Financial Year 2021-22 to 2030-31

560

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

Compensatory Afforestation Scheme

Dariyatu
Chatra-295
Chatra Range
Chatra
1563,1564,1565,1566,
1568,1569

Gross Area : 118.46 ha.
 Net Area : 100.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 365.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	96546.00	0.00	96546.00	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	225274.00	0.00	225274.00	
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (6Chain/ha)	chain	2.00	643.64	1963.79	2607.43	234928.60	716783.35	951711.95	
4	Hand digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	1174643.00	0.00	1174643.00	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	531003.00	0.00	531003.00	
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	398900.00	398900.00	
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	17700.10	0.00	17700.10	1770010.00	0.00	1770010.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	804550.00	0.00	804550.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	321820.00	0.00	321820.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1572145.20	0.00	1572145.20	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	15000.00	15000.00	
Total			155.00	49882.10	6102.79	55984.89	6730919.80	1130683.35	7861603.15	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	147.00	0.00	0.00	0.00	0.00	953736.00	953736.00	
Total				49882.10	6102.79	55984.89	6730919.80	2084419.35	8815339.15	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	795699.95	0.00	795699.95	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	1350839.45	0.00	1350839.45	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	1535885.95	0.00	1535885.95	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	54033.58	0.00	54033.58	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	236500.00	236500.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	15000.00	15000.00	
Total :-			649.90	240523.44	2515.00	243038.44	3940010.08	251500.00	4191510.08	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	978895.99	0.00	978895.99
2	Fertilizer "	ha	0.00	0.00	1892.40	1892.40	0.00	189240.00	189240.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	155346.54	0.00	155346.54
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	127682.09	29000.00	156682.09
Total :-			757.00	322184.46	2182.40	324366.86	1572617.68	218240.00	1790857.68
D	Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	1125730.38	0.00	1125730.38
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	130000.00	130000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	146834.40	29000.00	175834.40
Total :-			756.00	370022.68	1590.00	371612.68	1629861.82	159000.00	1788861.82
E	Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	1294589.94	0.00	1294589.94
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	50000.00	50000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	205445.79	0.00	205445.79
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1910927.32	50000.00	1960927.32
F	Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G	Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H	Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I	Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J	Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	6730919.80	2084419.35	8815339.15
Completion Work (2nd Year)	3940010.08	251500.00	4191510.08
Maintenance Work (3rd Year)	1572617.68	218240.00	1790857.68
Maintenance Work (4th Year)	1629861.82	159000.00	1788861.82
Maintenance Work (5th Year)	1910927.32	50000.00	1960927.32
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	18970282.61	2763159.35	21733441.96
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			186235.20
Grand Total			21919677.16
Or Say -			21919677.00

Rs. Two crore nineteen lac nineteen thousand six hundred seventy seven only.

Note :-

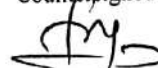
- Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- Trench repair is as per S.O.R. of forest departmental estimate.
- Provision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

Submitted by



Range Forest Officer,
Chatra Range.

Countersigned By



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL Amarpali OCP Phase-II Project
 Financial Year 2021-22 to 2030-31

499

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

Compensatory Afforestation Scheme

Gidhour
 Gidhour- 21
 Chatra Range
 Gidhour
 4201,4202,4203,4207,
 4208

Gross Area : 50.40 ha.
 Net Area : 40.00 ha.
 No. of Plants : 1666 /ha.
 Total Fencing : 240.00 Chain
 Wages Rate : 321.82 /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	965.46	0.00	965.46	38618.40	0.00	38618.40	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	90109.60	0.00	90109.60	
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (6Chain/ha)	chain	2.00	643.64	1963.79	2607.43	154473.60	471309.60	625783.20	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	469857.20	0.00	469857.20	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	212401.20	0.00	212401.20	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	159560.00	159560.00	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m with distance 2m to 3m between them	ha	55.00	17700.10	0.00	17700.10	708004.00	0.00	708004.00	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	321820.00	0.00	321820.00	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	128728.00	0.00	128728.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	686029.77	0.00	686029.77	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	6000.00	6000.00	
Total			155.00	49882.10	6102.79	55984.89	2810041.77	636869.60	3446911.37	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	97.00	0.00	0.00	0.00	0.00	629336.00	629336.00	
Total				49882.10	6102.79	55984.89	2810041.77	1266205.60	4076247.37	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	318279.98	0.00	318279.98	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	540335.78	0.00	540335.78	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	614354.38	0.00	614354.38	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	35528.93	0.00	35528.93	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	94600.00	94600.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	6000.00	6000.00	
Total :-			649.90	240523.44	2515.00	243038.44	1712050.22	100600.00	1812650.22	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	391558.39	0.00	391558.39
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	75696.00	75696.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	102145.67	0.00	102145.67
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	51072.83	11600.00	62672.83
Total :-			757.00	322184.46	2182.40	324366.86	855469.97	87296.00	942765.97
D Maintenance Work (4th Year) (Wages rate in 15% increase of per year.)									
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	450292.15	0.00	450292.15
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	52000.00	52000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	58733.76	11600.00	70333.76
Total :-			756.00	370022.68	1590.00	371612.68	866322.95	63600.00	929922.95
E Maintenance Work (5th Year) (Wages rate in 15% increase of per year.)									
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	517835.98	0.00	517835.98
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	20000.00	20000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	135087.65	0.00	135087.65
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1063815.21	20000.00	1083815.21
F Maintenance Work (6th Year) (Wages rate in 15% increase of per year.)									
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year) (Wages rate in 15% increase of per year.)									
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year) (Wages rate in 15% increase of per year.)									
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year) (Wages rate in 15% increase of per year.)									
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year) (Wages rate in 15% increase of per year.)									
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	2810041.77	1266205.60	4076247.37
Completion Work (2nd Year)	1712050.22	100600.00	1812650.22
Maintenance Work (3rd Year)	855469.97	87296.00	942765.97
Maintenance Work (4th Year)	866322.95	63600.00	929922.95
Maintenance Work (5th Year)	1063815.21	20000.00	1083815.21
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	10493646.03	1537701.60	12031347.63
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			74494.08
Grand Total			12105841.71
Or Say -			12105842.00

Rs. One crore twenty one lac five thousand eight hundred forty two only.

Note :-

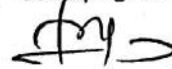
- 1 Project period of scheme is for ten year as directed vide Forest & Environment Departmnet, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 564 dt. 19.06.2019
- 3 Trench repair is as per S.O.R. of forest departmental estimate.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

Submitted by



Range Forest Officer,
Chatra Range.

Countersigned By



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL Amarpali OCP Phase -II Project
Financial Year 2021-22 to 2030-31

492

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Pitizi	Gross Area :	61.65 ha.
Thana & Thana No.	Gidhour- 09	Net Area :	55.00 ha.
Name of Range	Chatra Range	No. of Plants :	1666 /ha.
Name of Block	Gidhour	Total Fencing :	220.00 Chain
Plot No. -	595,603	Wages Rate :	321.82 /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	965.46	0.00	965.46	53100.30	0.00	53100.30	
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	123900.70	0.00	123900.70	
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) Chain/ha)	chain	2.00	643.64	1963.79	2607.43	141600.80	432033.80	573634.60	
4	Pit digging (Dimensions 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	646053.65	0.00	646053.65	
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	292051.65	0.00	292051.65	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	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	17700.10	0.00	17700.10	973505.50	0.00	973505.50	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	442502.50	0.00	442502.50	
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	177001.00	0.00	177001.00	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	886375.98	0.00	886375.98	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8250.00	8250.00	
Total			155.00	49882.10	6102.79	55984.89	3736092.08	659678.80	4395770.88	
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	89.00	0.00	0.00	0.00	0.00	577432.00	577432.00	
Total				49882.10	6102.79	55984.89	3736092.08	1237110.80	4973202.88	
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09	
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	437634.97	0.00	437634.97	
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	742961.70	0.00	742961.70	
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	844737.27	0.00	844737.27	
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	32568.18	0.00	32568.18	
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15	
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 :-			649.90	240523.44	2515.00	243038.44	2261453.28	138325.00	2399778.28	
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61	

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	538392.79	0.00	538392.79
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	104082.00	104082.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	93633.53	0.00	93633.53
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	70225.15	15950.00	86175.15
Total :-			757.00	322184.46	2182.40	324366.86	1012944.54	120032.00	1132976.54
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	619151.71	0.00	619151.71
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	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	80758.92	15950.00	96708.92
Total :-			756.00	370022.68	1590.00	371612.68	1057207.66	87450.00	1144657.66
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	712024.47	0.00	712024.47
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	562.87	0.00	562.87	123830.34	0.00	123830.34
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1246746.40	27500.00	1274246.40
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	3736092.08	1237110.80	4973202.88
Completion Work (2nd Year)	2261453.28	138325.00	2399778.28
Maintenance Work (3rd Year)	1012944.54	120032.00	1132976.54
Maintenance Work (4th Year)	1057207.66	87450.00	1144657.66
Maintenance Work (5th Year)	1246746.40	27500.00	1274246.40
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	12500389.87	1610417.80	14110807.67
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			102429.36
Grand Total			14213237.03
Or Say -			14213237.00

Rs. One crore forty two lac thirteen thousand two hundred thirty seven only.

Note :-

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

Submitted by



Range Forest Officer,
Chatra Range.

Countersigned By



Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 M/S CCL Amarpali OCP Phase -II Project
 Financial Year 2021-22 to 2030-31

495

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 78.19 ha.
Name of Site	Gulli	Net Area	: 50.00 ha.
Thana & Thana No.	Gidhour- 10	No. of Plants	: 1666 /ha.
Name of Range	Chatra Range	Total Fencing	: 300.00 Chain
Name of Block	Gidhour	Wages Rate	: 321.82 /MD
Plot No. -	849,851,852,854	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	965.46	0.00	965.46	48273.00	0.00	48273.00
2	Bush Clearance	ha	7.00	2252.74	0.00	2252.74	112637.00	0.00	112637.00
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) 6Chain/ha)	chain	2.00	643.64	1963.79	2607.43	193092.00	589137.00	782229.00
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11746.43	0.00	11746.43	587321.50	0.00	587321.50
5	Temporary Nursery including night vigil/guard	ha	16.50	5310.03	0.00	5310.03	265501.50	0.00	265501.50
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	199450.00	199450.00
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	17700.10	0.00	17700.10	885005.00	0.00	885005.00
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8045.50	0.00	8045.50	402275.00	0.00	402275.00
9	Gully plugging	ha	10.00	3218.20	0.00	3218.20	160910.00	0.00	160910.00
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	849904.05	0.00	849904.05
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7500.00	7500.00
Total			155.00	49882.10	6102.79	55984.89	3504919.05	796087.00	4301006.05
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 @ 5352.00 + Per DGPS survey pillar @ 1136.00 Total- 6488.00) (Include GST)	No.	121.00	0.00	0.00	0.00	0.00	785048.00	785048.00
Total				49882.10	6102.79	55984.89	3504919.05	1581135.00	5086054.05
B	Completion Work (2nd Year)	(Wages rate in 15% increase of per year.)							370.09
1	Nursery (Part) - night guard	ha	21.50	7957.00	0.00	7957.00	397849.98	0.00	397849.98
2	Plantation activity	ha	36.50	13508.39	0.00	13508.39	675419.73	0.00	675419.73
3	Two Weedings & hoeings	ha	41.50	15358.86	0.00	15358.86	767942.98	0.00	767942.98
4	Seed sowing on trench bund	ha	0.40	148.04	0.00	148.04	44411.16	0.00	44411.16
5	Protection of Plants.		550.00	203551.15	0.00	203551.15	203551.15	0.00	203551.15
6	Material (Fertilizer & Chemicals, Seeds etc.)	ha	0.00	0.00	2365.00	2365.00	0.00	118250.00	118250.00
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7500.00	7500.00
Total :-			649.90	240523.44	2515.00	243038.44	2089174.99	125750.00	2214924.99
C	Maintenance Work (3rd Year)	(Wages rate in 15% increase of per year.)							425.61

1	One Weeding	ha	23.00	9788.96	0.00	9788.96	489447.99	0.00	489447.99
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	94620.00	94620.00
3	Protection		730.00	310693.07	0.00	310693.07	310693.07	0.00	310693.07
4	Fencing repair	ha	1.00	425.61	0.00	425.61	127682.09	0.00	127682.09
5	Casualty Replacement	ha	3.00	1276.82	290.00	1566.82	63841.04	14500.00	78341.04
Total :-			757.00	322184.46	2182.40	324366.86	991664.19	109120.00	1100784.19
D Maintenance Work (4th Year)			(Wages rate in 15% increase of per year.)						489.45
1	One Weeding and One Hoeing	ha	23.00	11257.30	0.00	11257.30	562865.19	0.00	562865.19
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	65000.00	65000.00
3	Protection		730.00	357297.03	0.00	357297.03	357297.03	0.00	357297.03
4	Casualty Replacement	ha	3.00	1468.34	290.00	1758.34	73417.20	14500.00	87917.20
Total :-			756.00	370022.68	1590.00	371612.68	993579.42	79500.00	1073079.42
E Maintenance Work (5th Year)			(Wages rate in 15% increase of per year.)						562.87
1	One Weeding and Hoeing	ha	23.00	12945.90	0.00	12945.90	647294.97	0.00	647294.97
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	25000.00	25000.00
3	Fencing repair	ha	1.00	562.87	0.00	562.87	168859.56	0.00	168859.56
4	Protection		730.00	410891.59	0.00	410891.59	410891.59	0.00	410891.59
Total :-			754.00	424400.35	500.00	424900.35	1227046.12	25000.00	1252046.12
F Maintenance Work (6th Year)			(Wages rate in 15% increase of per year.)						647.29
1	Protection		730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
Total :-			730.00	472525.33	0.00	472525.33	472525.33	0.00	472525.33
G Maintenance Work (7th Year)			(Wages rate in 15% increase of per year.)						744.39
1	Protection		730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
Total :-			730.00	543404.13	0.00	543404.13	543404.13	0.00	543404.13
H Maintenance Work (8th Year)			(Wages rate in 15% increase of per year.)						856.05
1	Protection		730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
Total :-			730.00	624914.75	0.00	624914.75	624914.75	0.00	624914.75
I Maintenance Work (9th Year)			(Wages rate in 15% increase of per year.)						984.45
1	Protection		730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
Total :-			730.00	718651.96	0.00	718651.96	718651.96	0.00	718651.96
J Maintenance Work (10th Year)			(Wages rate in 15% increase of per year.)						1132.12
1	Protection		730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75
Total :-			730.00	826449.75	0.00	826449.75	826449.75	0.00	826449.75

ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	3504919.05	1581135.00	5086054.05
Completion Work (2nd Year)	2089174.99	125750.00	2214924.99
Maintenance Work (3rd Year)	991664.19	109120.00	1100784.19
Maintenance Work (4th Year)	993579.42	79500.00	1073079.42
Maintenance Work (5th Year)	1227046.12	25000.00	1252046.12
Maintenance Work (6th Year)	472525.33	0.00	472525.33
Maintenance Work (7th Year)	543404.13	0.00	543404.13
Maintenance Work (8th Year)	624914.75	0.00	624914.75
Maintenance Work (9th Year)	718651.96	0.00	718651.96
Maintenance Work (10th Year)	826449.75	0.00	826449.75
Total	11992329.68	1920505.00	13912834.68
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			93117.60
Grand Total			14005952.28
Or Say -			14005952.00

Rs. One crore forty lac five thousand nine hundred fifty two only.

Note :-

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

Submitted by

Range Forest Officer,
Chatra Range.

Counter Signed By

Divisional Forest Officer,
Chatra South Forest Division.