



Office of the Divisional Forest Officer, Chatra South Forest Division.

Van Bhavan, Chatra- 825401(Jharkhand)

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Letter No. -

Date-

To,

General Manager,
NK Area C.C.L.,
Dakra Ranchi.

Subject : Proposal for non-forestry use of 321.69 ha (excluding 1.8 ha of forest area earmarked for infrastructural facilities) for Purnadih OCP mine in favour of M/s Central Coalfields Limited (CCL) in Chatra District, Jharkhand - reg.

Reference : Government of India, Ministry of Environment, Forests & Climate Change, New Delhi Letter No- 8-61/2018-FC Date 16-01-2023 and your letter NO-GM(NK)/sectt/09/2023/297 Dated 19.01.2023 and this office letter no. 484 dt. 26.02.2023

Sir,

उपर्युक्त प्रासंगिक पत्र द्वारा विषयगत परियोजना पर भारत सरकार द्वारा प्रथम चरण की स्वीकृति 37 शर्तों के साथ प्रदान की गई है जिसके आलोक में आपने अपने पत्रांक GM(NK)/sectt/09/2023/297 दिनांक 19.01.2023 द्वारा मांग प्रेषित करने हेतु अनुरोध किया गया है। तदोपरान्त अपयोजित होनेवाले वन भूमि के विरुद्ध कैम्पा खाता में जमा करने हेतु निम्नवत संशोधित मांग प्रेषित की जा रही है।

Con diti on No.	Area of diverted of forest land	Conditions laid out Stage-I clearance vide MoEF& Climate Change, New Delhi Letter No 8-61/2018-FC Dated 19.01.2023	Demand raised by DFO ChatraSouth Forest Division.
1	2	3	4
A 1	Conditions which need to be complied prior to handing over of forest land by the State Forest Department and compliance thereof to be submitted prior to stage -11 approval Compensatory Afforestation:		

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I	321.69 ha.	The Compensatory Afforestation over degraded forest land, double in extent to the forest ha area on the Degraded Forest Land (Gross land being diverted i.e. of 650 ha shall be raised by the State Forest Department at the project cost;	The user agency has to transfer the cost of Compensatory Afforestation and Forest Demarcation Pillaring etc of Rs. 14,68,25,027.00 (Rs Fourteen crore sixty eight lac twenty five thousand twenty seven only.) in CAMPA Account. The amount will be deposited to CAMPA fund only through e-portal (https://parivesh.nic.in) against 650.00 ha of compensatory afforestation area identified in Chatra South Forest Division. (Estimate Attached)
II		The cost of Compensatory Afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars, if required on the CA Land shall be deposited in advance with the Forest Department by the user agency. The CA will be maintained for 10 years. The scheme include afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years.	
2		The User Agency shall transfer the funds towards the cost of Net Present Value (NPV) of the forest land being diverted under this proposal in accordance with the MoEF&CC's guidelines dated 06-01-2022 read with guidelines dated 19-01-2022	The Net Present Value (NPV) of the diverted forest land having average density of 0.4 belonging to Eco Class- III @ 1228590.00 lakh/ha X 321.69 ha. = amounts to Rupees 39,52,25,117.10 or 39,52,25,117.00 (Rs. Thirty Nine Crore Fifty Two Lac Twenty Five Thousand One Hundred Seventeen only.) in CAMPA Account. The amount will be deposited to CAMPA fund only through e-portal (https://parivesh.nic.in) against 321.69 ha diverted land in Chatra South Forest Division.
3		An area of 112.88 ha been used by the user agency in violation of Forest (Conservation) Act, 1980; the State Government shall levy penal NPV, 5 times the normal NPV plus 12 percent simple interest per annum till deposit is made.	The agency 112.88 ha in violation of Forest (Conservation) Act, 1980; the State Government shall levy penal NPV @ 1228590.00 lakh/ha X 112.88 ha. = amounts to Rupees 13,86,83,239 X 5 times = 69,34,16,195.00 the normal NPV plus 12 percent simple interest per annum (2014-15 to 2022-23) 74,88,89,492.00 =

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			1,44,23,05,688.00 (Rs. One hundred forty four crore twenty three lac five thousand six hundred eighty eight only.) in CAMPA Account. The amount will be deposited to CAMPA fund only through e-portal (https://parivesh.nic.in)
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अतः अनुरोध है कि कुल राशि 1,98,43,55,832.00 रुपया (एक सौ अठान्ने करोड़ तेतालिस लाख पच्चपन हजार आठ सौ बत्तीस रुपये मात्र) CAMPA fund only through e-portal (<https://parivesh.nic.in>) में जमा कर पावती रसीद अभिलेख हेतु इस कार्यालय में शीघ्र समर्पित करें। माँग की गई राशि/गणना में कोई त्रुटि पायी जाती है तो संशोधित गणना कर पुनः राशि की माँग की जायेगी। साथ ही सूचित किया जाता है कि भारत सरकार द्वारा प्रथम चरण की स्वीकृति में लगाये गये सभी शर्तों का बिन्दुवार अनुपालन प्रतिवेदन भी यथाशीघ्र इस कार्यालय में समर्पित करें ताकि भारत सरकार को अग्रसारित किया जा सके।

अनु०- यथोक्त।

आपका विश्वासी,

ह०/-

वन प्रमंडल पदाधिकारी,

चतरा दक्षिणी वन प्रमंडल।

झापांक-658 दिनांक- 20/03/2023

प्रतिलिपि- प्रधान मुख्य वन संरक्षक -सह- कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड राँची/क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग/वन संरक्षक, प्रादेशिक अंचल, चतरा को सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

[Signature]
वन प्रमंडल पदाधिकारी,
चतरा दक्षिणी वन प्रमंडल।
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20/03/2023

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMPA)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Salgi	Gross Area	70.00 ha.
Thana & Thana No.	Simaria- 95	Net Area	63.50 ha.
Name of Range	Simaria	No. of Plants	1666 /ha.
Name of Block	Simaria	Total Fencing	381.00 Chain
Plot No. -	37, 89, 951	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)	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	63653.67	0.00	63653.67	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	148525.23	0.00	148525.23	
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 - 381 chains"	chai n	2.00	668.28	1963.79	2632.07	254614.68	748203.99	1002818.67	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	774452.99	0.00	774452.99	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	350095.19	0.00	350095.19	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	253301.50	253301.50	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	1166983.95	0.00	1166983.95	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	530447.25	0.00	530447.25	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	212178.90	0.00	212178.90	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1103952.99	0.00	1103952.99	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9525.00	9525.00	
	Total		155.00	51791.70	6102.79	57894.49	4604904.84	1011030.49	5615935.33	
12	Per pillar @4700 incuded GST*34	No.	34	0.00	0.00	0.00	0.00	159800.00	159800.00	
	Total			51791.70	6102.79	57894.49	4604904.84	1170830.49	5775735.33	
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	524612.33	0.00	524612.33	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	890620.93	0.00	890620.93	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	1012623.80	0.00	1012623.80	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	48801.15	0.00	48801.15	
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	150177.50	150177.50	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	9525.00	9525.00	
	Total :-		651.50	250346.04	2515.00	252861.04	2688001.76	159702.50	2847704.26	

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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	645395.17	0.00	645395.17
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	120167.40	120167.40
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90	168363.96	0.00	168363.96
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	84181.98	18415.00	102596.98
Total :-			757.00	334518.41	2182.40	336700.81	1220528.21	138582.40	1359110.61
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	742204.44	0.00	742204.44
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	82550.00	82550.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	96809.28	18415.00	115224.28
Total :-			756.00	384187.99	1590.00	385777.99	1209988.90	100965.00	1310953.90
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	853535.11	0.00	853535.11
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	31750.00	31750.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	222661.33	0.00	222661.33
4	Protection		730.00	426621.45	0.00	426621.45	426621.45	0.00	426621.45
Total :-			754.00	440647.36	500.00	441147.36	1502817.90	31750.00	1534567.90
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	4604904.84	1170830.49	5775735.33
Completion Work (2nd Year)	2688001.76	159702.50	2847704.26
Maintenance Work (3rd Year)	1220528.21	138582.40	1359110.61
Maintenance Work (4th Year)	1209988.90	100965.00	1310953.90
Maintenance Work (5th Year)	1502817.90	31750.00	1534567.90
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	12880197.18	1601830.39	14482027.57
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			118259.35
Grand Total			14600286.93
Or Say -			14600287.00

Rs. One crore forty six lac two hundred eighty seven only.

Note :-

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

Divisional Forest Officer,
Chatra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
Estimate under Compensatory Afforestation scheme (CAMP)
M/S CCL, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Ramtunda	Gross Area	100.00 ha.
Thana & Thana No.	Chatra-138	Net Area	93.33 ha.
Name of Range	Chatra	No. of Plants	1666 /ha.
Name of Block	Chatra	Total Fencing	560 Chain
Plot No. -	1781, 1790	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	93555.86	0.00	93555.86
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	218297.00	0.00	218297.00
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 - 560 chains*	chain	2.00	668.28	1963.79	2632.07	374223.43	1099683.12	1473906.56
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	1138262.95	0.00	1138262.95
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	514557.22	0.00	514557.22
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	372293.37	372293.37
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	1715190.74	0.00	1715190.74
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	779632.16	0.00	779632.16
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	311852.86	0.00	311852.86
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1607657.89	0.00	1607657.89
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	13999.50	13999.50
	Total		155.00	51791.70	6102.79	57894.49	6753230.11	1485975.99	8239206.10
12	Per pillar@ 4700with GST	No.	23	0.00	0.00	0.00	0.00	108100.00	108100.00
	Total			51791.70	6102.79	57894.49	6753230.11	1594075.99	8347306.10
B	Completion Work (2nd Year)								384.26
									(Wages rate in 15% increase of per year.)
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	771056.20	0.00	771056.20
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	1309002.39	0.00	1309002.39
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	1488317.78	0.00	1488317.78
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	71726.16	0.00	71726.16
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	220725.45	220725.45
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	13999.50	13999.50
	Total :-		651.50	250346.04	2515.00	252861.04	3851446.08	234724.95	4086171.03

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	948578.44	0.00	948578.44
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	176617.69	176617.69
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90	247455.25	0.00	247455.25
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	123727.62	27065.70	150793.32
Total :-			757.00	334518.41	2182.40	336700.81	1642348.42	203683.39	1846031.81
D	Maintenance Work (4th Year)	(Wages rate in 15% increase of per year.)							508.19
1	One Weeding and One Hocking	ha	23.00	11688.26	0.00	11688.26	1090865.21	0.00	1090865.21
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	121329.00	121329.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	142286.77	27065.70	169352.47
Total :-			756.00	384187.99	1590.00	385777.99	1604127.15	148394.70	1752521.85
E	Maintenance Work (5th Year)	(Wages rate in 15% increase of per year.)							584.41
1	One Weeding and Hocking	ha	23.00	13441.50	0.00	13441.50	1254494.99	0.00	1254494.99
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	46665.00	46665.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	327259.56	0.00	327259.56
4	Protection		730.00	426621.45	0.00	426621.45	426621.45	0.00	426621.45
Total :-			754.00	440647.36	500.00	441147.36	2008376.01	46665.00	2055041.01
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	6753230.11	1594073.99	8347306.10
Completion Work (2nd Year)	3851446.08	234724.95	4086171.03
Maintenance Work (3rd Year)	1642348.42	203683.39	1846031.81
Maintenance Work (4th Year)	1604127.15	148394.70	1752521.85
Maintenance Work (5th Year)	2008376.01	46665.00	2055041.01
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	17513483.35	2227544.04	19741027.38
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			173813.31
Grand Total			19914840.70
Or Say -			19914841.00

Rs. One crore ninety nine lac fourteen thousand eight hundred forty one 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 PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Balia	Gross Area	15.00 ha.
Thana & Thana No.	Itkhori-636	Net Area	10.97 ha.
Name of Range	Lawalong	No. of Plants	1666 /ha.
Name of Block	Itkhori	Total Fencing	66 Chain
Plot No. -	636	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	10996.55	0.00	10996.55
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	25658.61	0.00	25658.61
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 - 66 chains"	chain	2.00	668.28	1963.79	2632.07	43986.19	129256.66	173242.85
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	133791.33	0.00	133791.33
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	60481.01	0.00	60481.01
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	43759.33	43759.33
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	201603.37	0.00	201603.37
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	91637.90	0.00	91637.90
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	36655.16	0.00	36655.16
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	201088.54	0.00	201088.54
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	1645.50	1645.50
	Total		155.00	51791.70	6102.79	57894.49	805898.64	174661.49	980560.13
12	Per pillar@ 4700with GST	No.	14	0.00	0.00	0.00	0.00	65800.00	65800.00
	Total			51791.70	6102.79	57894.49	805898.64	240461.49	1046360.13
B	Completion Work (2nd Year)								384.26
									(Wages rate in 15% increase of per year.)
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	90629.88	0.00	90629.88
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	153860.03	0.00	153860.03
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	174936.74	0.00	174936.74
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	8430.69	0.00	8430.69
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	25944.05	25944.05
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	1645.50	1645.50
	Total :-		376.50	144674.27	2515.00	147189.27	533529.11	27589.55	561118.66

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	111495.83	0.00	111495.83	
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	20759.63	20759.63	
3	Protection		365.00	161293.55	0.00	161293.55	161293.55	0.00	161293.55	
4	Fencing repair	ha	1.00	441.90	0.00	441.90	29085.87	0.00	29085.87	
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	14542.93	3181.30	17724.23	
Total :-			392.00	173224.86	2182.40	175407.26	316418.18	23940.93	340359.11	
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	128220.20	0.00	128220.20	
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	14261.00	14261.00	
3	Protection		365.00	185487.59	0.00	185487.59	185487.59	0.00	185487.59	
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	16724.37	3181.30	19905.67	
Total :-			391.00	198700.40	1590.00	200290.40	330432.16	17442.30	347874.46	
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	147453.23	0.00	147453.23	
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	5485.00	5485.00	
3	Fencing repair	ha	1.00	584.41	0.00	584.41	38466.06	0.00	38466.06	
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	399230.02	5485.00	404715.02	
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	805898.64	240461.49	1046360.13
Completion Work (2nd Year)	533529.11	27589.55	561118.66
Maintenance Work (3rd Year)	316418.18	23940.93	340359.11
Maintenance Work (4th Year)	330432.16	17442.30	347874.46
Maintenance Work (5th Year)	399230.02	5485.00	404715.02
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	4039463.69	314919.27	4354382.96
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			20430.00
Grand Total			4374812.96
Or Say -			4374813.00

Rs. Forty three lac seventy four thousand eight hundred thirteen 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
Lawalung 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 PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33.

Name of Scheme **Compensatory Afforestation Scheme**
 Name of Site **Siria**
 Thana & Thana No. **Itkhor- 113**
 Name of Range **Lawalong**
 Name of Block **Itkhor**
 Plot No. - **248P, 249P, 250P, 253P**

Gross Area : **30.00 ha.**
 Net Area : **24.54 ha.**
 No. of Plants : **1666 /ha.**
 Total Fencing : **147 Chain**
 Wages Rate : **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	24599.39	0.00	24599.39
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	57398.57	0.00	57398.57
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 - 147chains"	chain	2.00	668.28	1963.79	2632.07	98397.55	289148.44	387545.99
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	299292.54	0.00	299292.54
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	135296.63	0.00	135296.63
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	97890.06	97890.06
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	450988.76	0.00	450988.76
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	204994.89	0.00	204994.89
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	81997.96	0.00	81997.96
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	430229.52	0.00	430229.52
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	3681.00	3681.00
	Total		155.00	51791.70	6102.79	57894.49	1783195.79	390719.50	2173915.29
12	Per pillar@ 4700with GST	No.	21	0.00	0.00	0.00	0.00	98700.00	98700.00
	Total			51791.70	6102.79	57894.49	1783195.79	489419.50	2272615.29
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	202739.95	0.00	202739.95
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	344186.42	0.00	344186.42
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	391335.25	0.00	391335.25
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	18859.53	0.00	18859.53
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	58037.10	58037.10
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	3681.00	3681.00
	Total :-		376.50	144674.27	2515.00	147189.27	1062792.92	61718.10	1124511.02

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	249417.28	0.00	249417.28
2 Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	46439.50	46439.50
3 Protection		365.00	161293.55	0.00	161293.55	161293.55	0.00	161293.55
4 Fencing repair	ha	1.00	441.90	0.00	441.90	65065.38	0.00	65065.38
5 Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	32532.69	7116.60	39649.29
Total :-		392.00	173224.86	2182.40	175407.26	508308.90	53556.10	561865.00
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	286829.88	0.00	286829.88
2 Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	31902.00	31902.00
3 Protection		365.00	185487.59	0.00	185487.59	185487.59	0.00	185487.59
4 Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	37412.59	7116.60	44529.19
Total :-		391.00	198700.40	1590.00	200290.40	509730.06	39018.60	548748.66
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	329854.36	0.00	329854.36
2 Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	12270.00	12270.00
3 Fencing repair	ha	1.00	584.41	0.00	584.41	86048.96	0.00	86048.96
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	629214.04	12270.00	641484.04
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	1783195.79	489419.50	2272615.29
Completion Work (2nd Year)	1062792.92	61718.10	1124511.02
Maintenance Work (3rd Year)	508308.90	53556.10	561865.00
Maintenance Work (4th Year)	509730.06	39018.60	548748.66
Maintenance Work (5th Year)	629214.04	12270.00	641484.04
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	6147197.29	655982.30	6803179.59
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			45702.12
Grand Total			6848881.70
Or Say -			6848882.00

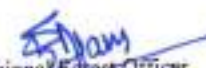
Rs. Sixty eight lac forty eight thousand eight hundred eighty two only.

Note :-

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F. Dev., Jharkhand, Ranchi office letter no. 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
Lawalong 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 PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme **Compensatory Afforestation Scheme**

Name of Site **Pokla**

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

Name of Range **Tandwa**

Name of Block **Tandwa**

Plot No. - **29, 30, 31, 32, 33, 34**

Gross Area : **130.00 ha.**

Net Area : **118.35 ha.**

No. of Plants : **1666 /ha.**

Total Fencing : **710 Chain**

Wages Rate : **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	118636.41	0.00	118636.41
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	276818.28	0.00	276818.28
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 - 710 chains"	chai	2.00	668.28	1963.79	2632.07	474545.63	1394487.28	1869032.91
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	1443409.62	0.00	1443409.62
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	652500.24	0.00	652500.24
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	472098.15	472098.15
7	Soil and water conservation - Contour trench (120/ha.) of dimension 3m x 0.30m x 0.30m with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	2175000.80	0.00	2175000.80
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	988636.73	0.00	988636.73
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	395454.69	0.00	395454.69
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	2030141.85	0.00	2030141.85
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	17752.50	17752.50
	Total		155.00	51791.70	6102.79	57894.49	8555144.23	1884337.93	10439482.16
12	Per pillar@ 4700 with GST	No.	27	0.00	0.00	0.00	0.00	126900.00	126900.00
	Total			51791.70	6102.79	57894.49	8555144.23	2011237.93	10566382.16
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	977761.72	0.00	977761.72
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	1639921.06	0.00	1639921.06
3	Two Weeding & hoeings	ha	41.50	15946.83	0.00	15946.83	1887307.51	0.00	1887307.51
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	90954.58	0.00	90954.58
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	279897.75	279897.75
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	17752.50	17752.50
	Total :-		651.50	250346.04	2515.00	252861.04	4827288.42	297650.25	5124938.67

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
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40
3	Protection		730.00	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70
	Total :-		757.00	334518.41	2182.40	336700.81
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
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00
3	Protection		730.00	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56
	Total :-		756.00	384187.99	1590.00	385777.99
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
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41
4	Protection		730.00	426621.45	0.00	426621.45
	Total :-		754.00	440647.36	500.00	441147.36
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
	Total :-		365.00	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
	Total :-		365.00	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
	Total :-		365.00	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
	Total :-		365.00	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
	Total :-		365.00	429044.06	0.00	429044.06

ABSTRACT

Work & Year	Wages	Material	Total
Advance work 1st Year	8555144.23	2011237.93	10566382.16
Completion Work (2nd Year)	4827288.42	297650.25	5124938.67
Maintenance Work (3rd Year)	1990151.36	258287.04	2254438.40
Maintenance Work (4th Year)	1934711.77	188176.50	2122888.27
Maintenance Work (5th Year)	2432414.35	59175.00	2491589.35
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	21399665.71	2814526.72	24214192.43
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			220409.36
Grand Total			24434601.79
Or Say -			24434602.00

Rs. Two crore forty four lac thirty four thousand six hundred two only.

Note :-

- Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- P.C.C.F. Dev., Jharkhand, Ranchi office letter no. 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
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, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme	Compensatory Afforestation Scheme		
Name of Site	Lehra	Gross Area	80.00 ha.
Thana & Thana No.	Tandwa-14	Net Area	71.44 ha.
Name of Range	Tandwa	No. of Plants	1666 /ha.
Name of Block	Tandwa	Total Fencing	429 Chain
Plot No. -	901, 990, 1008, 1010, 1013, 1095, 1096, 1097, 1102, 1103, 1104, 1105,	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	71612.88	0.00	71612.88
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	167096.73	0.00	167096.73
3	"Trenchstone 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 -429 chains"	chain	2.00	668.28	1963.79	2632.07	286451.54	841758.95	1128210.48
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha	ha	36.50	12196.11	0.00	12196.11	871290.10	0.00	871290.10
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	393870.87	0.00	393870.87
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	284974.16	284974.16
7	Soil and water conservation - Contour trench (120/ha.) of (dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	1312902.89	0.00	1312902.89
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	596774.04	0.00	596774.04
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	238709.62	0.00	238709.62
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1238026.64	0.00	1238026.64
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	10716.00	10716.00
	Total		155.00	51791.70	6102.79	57894.49	5176735.30	1137449.13	6314184.41
12	Per pillar @ 4700 with GST	No.	67	0.90	0.00	0.00	0.00	314900.00	314900.00
	Total			51791.70	6102.79	57894.49	5176735.30	1452349.11	6629084.41
B	Completion Work (2nd Year)								384.26
	(Wages rate is 15% increase of per year.)								
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	590209.53	0.00	590209.53
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	1001983.61	0.00	1001983.61
3	Two Windings & bocings	ha	41.50	15946.83	0.00	15946.83	1139241.64	0.00	1139241.64
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	54903.21	0.00	54903.21
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	168955.60	168955.60
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	10716.00	10716.00
	Total :-		651.50	250346.04	2515.00	252861.04	2997681.54	179671.60	3177353.14

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	726094.97	0.00	726094.97
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	135193.06	135193.06
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90	189416.08	0.00	189416.08
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	94708.04	20717.60	115425.64
Total :-			757.00	334518.41	2182.40	336700.81	1332806.20	155910.66	1488716.86
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	835009.22	0.00	835009.22
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	92872.00	92872.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	108914.25	20717.60	129631.85
Total :-			756.00	384187.99	1590.00	385777.99	1314898.64	113589.60	1428488.24
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	960260.60	0.00	960260.60
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	35720.00	35720.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	250502.77	0.00	250502.77
4	Protection		730.00	426621.45	0.00	426621.45	426621.45	0.00	426621.45
Total :-			754.00	440647.36	500.00	441147.36	1637384.82	35720.00	1673104.82
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.)						898.82	
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	3176735.30	1452349.11	6629084.41
Completion Work (2nd Year)	2997681.54	179671.60	3177353.14
Maintenance Work (3rd Year)	1332806.20	155910.66	1488716.86
Maintenance Work (4th Year)	1314898.64	113589.60	1428488.24
Maintenance Work (5th Year)	1637384.82	35720.00	1673104.82
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	14113462.09	1937240.96	16050703.05
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work (ST @ 18%)			133046.43
Grand Total			16183749.48
Or Say -			16183749.00

Rs. One crore sixty one lac eighty three thousand seven hundred forty nine only.

Note:-

- Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- P.C.C.F, Dev., Bharkhand, 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

[Signature]
Range Forest Officer
Tandwa Range

[Signature]
Divisional Forest Officer,
Chitra South Forest Division.

Forest and Environment Department, Jharkhand
CHATRA SOUTH FOREST DIVISION.
 Estimate under Compensatory Afforestation scheme (CAMPA)
 MIS CCL, IN PURNADIH OCP, AREA (323.49 ha.)
 Financial Year 2022-23 to 2032-33

Name of Scheme	Compensatory Afforestation Scheme				
Name of Site	Gopda	Gross Area	:	120.00	ha.
Thana & Thana No.	Tandwa-39	Net Area	:	111.40	ha.
Name of Range	Tandwa	No. of Plants	:	1666	/ha.
Name of Block	Tandwa	Total Fencing	:	668	Chain
Plot No. -	1, 2, 542, 543, 547P, 548P, 550, 567P	Wages Rate	:	334.14	/MD
		Spacing	:	3m x 2m	

Sl No.	Particulars	Prescribed Rate				Estimated Amount (As Per sim)				Remarks
		Unit	MD (No)	Wages (Rs)	Material (Rs)	Total	Wages (Rs)	Material (Rs)	Total Rs	
1	2	3	4	5	6	7	8	9	10	11
A Advance work 1st Year										
1	Survey and Demarcation	ha	3.00	1002.42	0.00	1002.42	111669.59	0.00	111669.59	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	260562.37	0.00	260562.37	
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 - 668 chains"	chain	2.00	668.28	1963.79	2632.07	446678.35	1312997.34	1759275.59	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	1358646.65	0.00	1358646.65	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	614182.73	0.00	614182.73	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	444374.60	444374.60	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m with distance 2m to 3m between them	ha	55.00	16377.70	0.00	16377.70	2047275.74	0.00	2047275.74	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	930579.90	0.00	930579.90	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	372231.96	0.00	372231.96	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1912785.19	0.00	1912785.19	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	16710.00	16710.00	
Total			155.00	51791.70	6102.79	57894.49	8054612.53	1773681.84	9828294.37	
12	Per pitter @ 4700 with GST	No.	23	0.00	0.00	0.00	0.00	108100.00	108100.00	
Total				51791.70	6102.79	57894.49	8054612.53	1881781.84	9936394.37	
									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	920343.52	0.00	920343.52	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	1562443.65	0.00	1562443.65	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	1776477.03	0.00	1776477.03	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	83613.35	0.00	83613.35	
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	263461.00	263461.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	16710.00	16710.00	
Total >			651.50	230346.04	2515.00	252861.04	4556221.10	280171.00	4836392.10	

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	1132236.56	0.00	1132236.56
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	210813.36	210813.36
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	ha	1.00	441.90	0.00	441.90	295366.06	0.00	295366.06
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	147683.03	32306.00	179989.03
Total :-			757.00	334518.41	2182.40	336700.81	1897872.76	243119.36	2140992.12
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	1302072.05	0.00	1302072.05
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	144820.00	144820.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	169835.48	32306.00	202141.48
Total :-			756.00	384187.99	1590.00	385777.99	1842882.71	177126.00	2020008.71
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	1497382.86	0.00	1497382.86
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	55700.00	55700.00
3	Fencing repair	ha	1.00	584.41	0.00	584.41	390621.61	0.00	390621.61
4	Protection		730.00	426621.45	0.00	426621.45	426621.45	0.00	426621.45
Total :-			754.00	440647.36	500.00	441147.36	2314625.92	55700.00	2370325.92
F	Maintenance Work (6th Year)	(Wages rate in 15% increase of per year.)							672.87
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	8054612.53	1881781.84	9936394.37
Completion Work (2nd Year)	4556221.10	280171.00	4836392.10
Maintenance Work (3rd Year)	1897872.76	243119.36	2140992.12
Maintenance Work (4th Year)	1842882.71	177126.00	2020008.71
Maintenance Work (5th Year)	2314625.92	55700.00	2370325.92
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	20320170.61	2637898.20	22958068.80
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			297466.01
Grand Total			23165534.82
Or Say -			23165535.00

Rs. Two crore thirty one lac sixty five thousand five hundred thirty five only.

Note:-

1. Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India P. No. 11-168/2009-FC(pt), Dated 14.02.2012
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, IN PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme **Compensatory Afforestation Scheme**

Name of Site **Babne Sajna**

Thana & Thana No. **Chatra- 173-191**

Name of Range **Chatra**

Name of Block **Chatra**

Plot No. - **1P, 2, 3, 5, 29, 42, 94**

Gross Area : **50.00 ha.**

Net Area : **39.04 ha.**

No. of Plants : **1666 /ha.**

Total Fencing : **234 Chain**

Wages Rate : **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)	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	39134.48	0.00	39134.48	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	91313.78	0.00	91313.78	
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 - 234 chains*	chain	2.00	668.28	1963.79	2632.07	156537.91	459998.17	616536.08	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	476136.13	0.00	476136.13	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	215239.62	0.00	215239.62	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	155730.56	155730.56	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	717465.41	0.00	717465.41	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	326120.64	0.00	326120.64	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	130448.26	0.00	130448.26	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	690925.11	0.00	690925.11	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	5856.00	5856.00	
	Total		155.00	51791.70	6102.79	57894.49	2843321.33	621584.73	3464906.06	
12	Per pillar @ 4700 with GST	No.	31	0.00	0.00	0.00	0.00	145700.00	145700.00	
	Total			51791.70	6102.79	57894.49	2843321.33	767284.73	3610606.06	
B	Completion Work (2nd Year)									
									384.26	
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	322533.31	0.00	322533.31	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	547556.55	0.00	547556.55	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	622564.30	0.00	622564.30	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	30003.10	0.00	30003.10	
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	92329.60	92329.60	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	5856.00	5856.00	
	Total :-		651.50	250346.04	2515.00	252861.04	1734000.82	98185.60	1832186.42	

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	396790.98	0.00	396790.98
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	73879.30	73879.30
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	Chain	1.00	441.90	0.00	441.90	103510.69	0.00	103510.69
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	51755.35	11321.60	63076.95
Total :-			757.00	334518.41	2182.40	336700.81	874644.13	85200.90	959845.02
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	456309.63	0.00	456309.63
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	50752.00	50752.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	59518.65	11321.60	70840.25
Total :-			756.00	384187.99	1590.00	385777.99	886803.45	62073.60	948877.05
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	524756.07	0.00	524756.07
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.,)	ha	0.00	0.00	500.00	500.00	0.00	19520.00	19520.00
3	Fencing repair	Chain	1.00	584.41	0.00	584.41	136892.89	0.00	136892.89
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	874959.69	19520.00	894479.69
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	2843321.33	767284.73	3610606.06
Completion Work (2nd Year)	1734000.82	98185.60	1832186.42
Maintenance Work (3rd Year)	874644.13	85200.90	959845.02
Maintenance Work (4th Year)	886803.45	62073.60	948877.05
Maintenance Work (5th Year)	874959.69	19520.00	894479.69
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	8867685.00	1032264.83	9899949.82
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			72706.22
Grand Total			9972656.04
Or Say -			9972656.00

Rs. Ninety nine lac seventy two thousand six hundred fifty six only.

Note :-

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt). Dated 24.02.2012
- 2 P.C.C.F. Dev., Jharkhand, Ranchi office letter no. 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 PURNADIH OCP, AREA (323.49 ha.)
Financial Year 2022-23 to 2032-33

Name of Scheme: **Compensatory Afforestation Scheme**

Name of Site: **Chatra-Pakria**

Thana & Thana No.: **Chatra-175-174**

Name of Range: **Chatra**

Name of Block: **Chatra**

Plot No. - **82, 88P, 127, 801, 808,**

2085

Gross Area : **70.00 ha.**

Net Area : **59.79 ha.**

No. of Plants : **1666 /ha.**

Total Fencing : **359 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)	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	59934.69	0.00	59934.69	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	139847.61	0.00	139847.61	
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 - 359 chains"	chain	2.00	668.28	1963.79	2632.07	239738.77	704490.02	944228.79	
4	Pit digging (Dimensions 0.3m x 0.3m x 0.3m) total number pits 1666/ha.	ha	36.50	12196.11	0.00	12196.11	729205.42	0.00	729205.42	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	329640.80	0.00	329640.80	
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	238502.31	238502.31	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	1098802.68	0.00	1098802.68	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	499455.77	0.00	499455.77	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	199782.31	0.00	199782.31	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1041306.49	0.00	1041306.49	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8968.50	8968.50	
	Total		155.00	51791.70	6102.79	57894.49	4337714.54	951960.83	5289675.37	
12	Per pillar@ 4700with GST	No.	29	0.00	0.00	0.00	0.00	136300.00	136300.00	
	Total			51791.70	6102.79	57894.49	4337714.54	1088260.83	5425975.37	
B	Completion Work (2nd Year)									
									384.26	
1	Nursery (Part) - night guard	ha	21.50	8261.61	0.00	8261.61	493961.75	0.00	493961.75	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	838586.23	0.00	838586.23	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	953461.06	0.00	953461.06	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	45949.93	0.00	45949.93	
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	141403.35	141403.35	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	8968.50	8968.50	
	Total :-		651.50	250346.04	2515.00	252861.04	2543302.52	150371.85	2693674.37	

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	607687.83	0.00	607687.83
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113146.60	113146.60
3	Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4	Fencing repair	Chan	1.00	441.90	0.00	441.90	158527.26	0.00	158527.26
5	Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	79263.63	17339.10	96602.73
Total :-			757.00	334518.41	2182.40	336700.81	1168065.83	130485.70	1298551.52
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	698841.00	0.00	698841.00
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	77727.00	77727.00
3	Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4	Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	91153.17	17339.10	108492.27
Total :-			756.00	384187.99	1590.00	385777.99	1160969.35	95066.10	1256035.45
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	803667.15	0.00	803667.15
2	Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	29895.00	29895.00
3	Fencing repair	Chan	1.00	584.41	0.00	584.41	209652.30	0.00	209652.30
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	1226630.18	29895.00	1256525.18
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	4337714.54	1088260.83	5425975.37
Completion Work (2nd Year)	2543302.52	150371.85	2693674.37
Maintenance Work (3rd Year)	1168065.83	130485.70	1298551.52
Maintenance Work (4th Year)	1160969.35	95066.10	1256035.45
Maintenance Work (5th Year)	1226630.18	29895.00	1256525.18
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	12090637.99	1494079.48	13584717.47
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			111350.03
Grand Total			13696067.50
Or Say :-			13696068.00

Rs. One crore thirty six lac ninety six thousand sixty eight only.

Note :-

- 1 Project period of scheme is for ten year as directed vide Forest & Environment Department, Government of India F- No. 11-168/2009-FC(pt), Dated 24.02.2012
- 2 P.C.C.F, Dev., Jharkhand, Ranchi office letter no. 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 PURNADIH OCP, AREA (323.49 ha.)
 Financial Year 2022-23 to 2032-33

Name of Scheme	Compensatory Afforestation Scheme	Gross Area	: 65.00 ha.
Name of Site	Bukru	Net Area	: 57.64 ha.
Thana & Thana No.	Tandwa- 08	No. of Plants	: 1666 /ha.
Name of Range	Tandwa	Total Fencing	: 346 Chain
Name of Block	Tandwa	Wages Rate	: 334.14 /MD
Plot No. -	178, 687, 688, 685, 686, 682, 725, 727, 743, 746	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	57779.49	0.00	57779.49	
2	Bush Clearance	ha	7.00	2338.98	0.00	2338.98	134818.81	0.00	134818.81	
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 - 346 chains"	chain	2.00	668.28	1963.79	2632.07	231117.96	679157.13	910275.09	
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	702983.78	0.00	702983.78	
5	Temporary Nursery including night vigil/guard	ha	16.50	5513.31	0.00	5513.31	317787.19	0.00	317787.19	
6	Material (Polythene bag, seeds, Fertilizer, Manure, pesticides material required for making nursery including fence etc)	ha	0.00	0.00	3989.00	3989.00	0.00	229925.96	229925.96	
7	Soil and water conservation - Contour trench (120/ha.) of dimension 5m x 0.30m x 0.30m) with distance 2m to 3m between them	ha	55.00	18377.70	0.00	18377.70	1059290.63	0.00	1059290.63	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	8353.50	0.00	8353.50	481495.74	0.00	481495.74	
9	Gully plugging	ha	10.00	3341.40	0.00	3341.40	192598.30	0.00	192598.30	
10	Entry Point activity	ha	0.00	0.00	0.00	0.00	1005001.91	0.00	1005001.91	
11	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	8646.00	8646.00	
	Total		155.00	51791.70	6102.79	57894.49	4182873.79	917729.09	5100602.89	
12	Per pillar@ 4700with GST	No.	98	0.00	0.00	0.00	0.00	460600.00	460600.00	
	Total			51791.70	6102.79	57894.49	4182873.79	1378329.09	5561202.89	
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	476199.29	0.00	476199.29	
2	Plantation activity	ha	36.50	14025.53	0.00	14025.53	808431.35	0.00	808431.35	
3	Two Weedings & hoeings	ha	41.50	15946.83	0.00	15946.83	919175.37	0.00	919175.37	
4	Seed sowing on trench bund	ha	2.00	768.52	0.00	768.52	44297.61	0.00	44297.61	
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	136318.60	136318.60	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	8646.00	8646.00	
	Total :-		651.50	250346.04	2515.00	252861.04	2459447.16	144964.60	2604411.76	

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	585835.87	0.00	585835.87
2 Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	109077.94	109077.94
3 Protection		730.00	322587.11	0.00	322587.11	322587.11	0.00	322587.11
4 Fencing repair	Chain	1.00	441.90	0.00	441.90	152826.75	0.00	152826.75
5 Casualty Replacement	ha	3.00	1325.70	290.00	1615.70	76413.37	16715.60	93128.97
Total :-		757.00	334518.41	2182.40	336700.81	1137663.10	125793.54	1263456.63
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	673711.25	0.00	673711.25
2 Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	74932.00	74932.00
3 Protection		730.00	370975.18	0.00	370975.18	370975.18	0.00	370975.18
4 Casualty Replacement	ha	3.00	1524.56	290.00	1814.56	87875.38	16715.60	104590.98
Total :-		756.00	384187.99	1590.00	385777.99	1132561.80	91647.60	1224209.40
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	774767.93	0.00	774767.93
2 Material (Fertilizer & Chemicals, Seeds, manures, etc.)	ha	0.00	0.00	500.00	500.00	0.00	28820.00	28820.00
3 Fencing repair	Chain	1.00	584.41	0.00	584.41	202113.37	0.00	202113.37
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	1190192.03	28820.00	1219012.03
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	4182873.79	1378329.09	5561202.89
Completion Work (2nd Year)	2459447.16	144964.60	2604411.76
Maintenance Work (3rd Year)	1137663.10	125793.54	1263456.63
Maintenance Work (4th Year)	1132561.80	91647.60	1224209.40
Maintenance Work (5th Year)	1190192.03	28820.00	1219012.03
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	11756693.47	1769554.83	13526248.30
Material (Fertilizer & Chemicals, Seeds, manures, etc.) & Miscellaneous Work GST @ 18%			107345.97
Grand Total			13633594.27
Or Say :-			13633594.00

Rs. One crore thirty six lac thirty three thousand five hundred ninety 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. 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


Divisional Forest Officer,
Chitra South Forest Division.