

**Forest and Environment Department, Jharkhand**  
**CHATRA SOUTH FOREST DIVISION.**  
**Estimate under Compensatory Afforestation scheme (CAMPA)**  
**132 KV D/C Itkhori-Chatra Transmission Line**  
**Financial Year 2021-22 to 2030-31**

464

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

**Compensatory Afforestation Scheme**

**Jugudih** Gross Area : 77.02 ha.  
**Gidhour-07** Net Area : 51.00 ha.  
**Chatra Range** No. of Plants : 1666 /ha.  
**Itkhori** Total Fencing : 300.00 Chain  
**1,2** Wages Rate : 314.96 /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
<b>A</b>	<b>Advance work 1st Year</b>									
1	Survey and Demarcation	ha	3.00	944.88	0.00	944.88	48188.88	0.00	48188.88	
2	Bush Clearance	ha	7.00	2204.72	0.00	2204.72	112440.72	0.00	112440.72	
3	Trench Fencing size - 6' x 4' x 4' (Width of the trench above 1.83m and width of basement of trench 1.22 and depth of trench in 1.22m) (5Chain/ha, 25 mandays/chain)	chain	300 x 25 = 7500 MD	0.00	0.00	0.00	2362200.00	0.00	2362200.00	
4	digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11496.04	0.00	11496.04	586298.04	0.00	586298.04	
5	Temporary Nursery including night vigil/guard	ha	16.50	5196.84	0.00	5196.84	265038.84	0.00	265038.84	
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	203439.00	203439.00	
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	17322.80	0.00	17322.80	883462.80	0.00	883462.80	
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	7874.00	0.00	7874.00	401574.00	0.00	401574.00	
9	Gully plugging	ha	10.00	3149.60	0.00	3149.60	160629.60	0.00	160629.60	
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	7650.00	7650.00	
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1070061.30	0.00	1070061.30	
	<b>Total</b>		<b>153.00</b>	<b>48188.88</b>	<b>4139.00</b>	<b>52327.88</b>	<b>5889894.18</b>	<b>211089.00</b>	<b>6100983.18</b>	
12	As per condition no. 2(b) Vide MoEF Letter no. FP/JH/TRANS/35719/2013/3221 dated 18.06.2019 Construction of forest Boundary Pillar (Per Pillar @ 7457.00 + Per DGPS survey pillar @ 1306.49 Total- 8763.49) (Include GST)	No.	105	0.00	0.00	0.00	0.00	920166.45	920166.45	
	<b>Total</b>			<b>48188.88</b>	<b>4139.00</b>	<b>52327.88</b>	<b>5889894.18</b>	<b>1131255.45</b>	<b>7021149.63</b>	
<b>B</b>	<b>Completion Work (2nd Year)</b>									<b>362.20</b>
1	Nursery (Part) - night guard	ha	21.50	7787.39	0.00	7787.39	397156.69	0.00	397156.69	
2	Plantation activity	ha	36.50	13220.45	0.00	13220.45	674242.75	0.00	674242.75	
3	Two Weedings & hoeings	ha	41.50	15031.47	0.00	15031.47	766604.77	0.00	766604.77	
4	Seed sowing on trench bund	ha	2.00	724.41	0.00	724.41	36944.81	0.00	36944.81	
5	Protection of Plants.		275.00	99606.10	0.00	99606.10	99606.10	0.00	99606.10	
6	Material (Fertilizer & Chemicals, Seeds etc..)	ha	0.00	0.00	2365.00	2365.00	0.00	120615.00	120615.00	
7	Miscellaneous works (Photography, Sign Boards, etc.)	ha	0.00	0.00	150.00	150.00	0.00	7650.00	7650.00	
	<b>Total :-</b>		<b>376.50</b>	<b>136369.81</b>	<b>2515.00</b>	<b>138884.81</b>	<b>1974555.11</b>	<b>128265.00</b>	<b>2102820.11</b>	

C Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)							416.53
1	One Weeding	ha	23.00	9580.30	0.00	9580.30	488595.09	0.00	488595.09
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	96512.40	96512.40
3	Protection		365.00	152035.13	0.00	152035.13	152035.13	0.00	152035.13
4	Fencing repair	ha	1.00	416.53	0.00	416.53	124960.38	0.00	124960.38
5	Casualty Replacement	ha	3.00	1249.60	290.00	1539.60	63729.79	14790.00	78519.79
Total :-			392.00	163281.56	2182.40	165463.96	829320.39	111302.40	940622.79
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)							479.01
1	One Weeding and One Hoeing	ha	23.00	11017.34	0.00	11017.34	561884.35	0.00	561884.35
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	66300.00	66300.00
3	Protection		365.00	174840.40	0.00	174840.40	174840.40	0.00	174840.40
4	Casualty Replacement	ha	3.00	1437.04	290.00	1727.04	73289.26	14790.00	88079.26
Total :-			391.00	187294.78	1590.00	188884.78	810014.01	81090.00	891104.01
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)							550.87
1	One Weeding and Hoeing	ha	23.00	12669.94	0.00	12669.94	646167.00	0.00	646167.00
2	Material (Fertilizer & Chemicals, Seeds, manures, etc..)	ha	0.00	0.00	500.00	500.00	0.00	25500.00	25500.00
3	Fencing repair	ha	1.00	550.87	0.00	550.87	165260.10	0.00	165260.10
4	Protection		365.00	201066.46	0.00	201066.46	201066.46	0.00	201066.46
Total :-			389.00	214287.27	500.00	214787.27	1012493.56	25500.00	1037993.56
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)							633.50
1	Protection		365.00	231226.43	0.00	231226.43	231226.43	0.00	231226.43
Total :-			365.00	231226.43	0.00	231226.43	231226.43	0.00	231226.43
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)							728.52
1	Protection		365.00	265910.39	0.00	265910.39	265910.39	0.00	265910.39
Total :-			365.00	265910.39	0.00	265910.39	265910.39	0.00	265910.39
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)							837.80
1	Protection		365.00	305796.95	0.00	305796.95	305796.95	0.00	305796.95
Total :-			365.00	305796.95	0.00	305796.95	305796.95	0.00	305796.95
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)							963.47
1	Protection		365.00	351666.49	0.00	351666.49	351666.49	0.00	351666.49
Total :-			365.00	351666.49	0.00	351666.49	351666.49	0.00	351666.49
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)							1107.99
1	Protection		365.00	404416.47	0.00	404416.47	404416.47	0.00	404416.47
Total :-			365.00	404416.47	0.00	404416.47	404416.47	0.00	404416.47

#### ABSTRACT

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	5889894.18	1131255.45	7021149.63
Completion Work (2nd Year)	1974555.11	128265.00	2102820.11
Maintenance Work (3rd Year)	829320.39	111302.40	940622.79
Maintenance Work (4th Year)	810014.01	81090.00	891104.01
Maintenance Work (5th Year)	1012493.56	25500.00	1037993.56
Maintenance Work (6th Year)	231226.43	0.00	231226.43
Maintenance Work (7th Year)	265910.39	0.00	265910.39
Maintenance Work (8th Year)	305796.95	0.00	305796.95
Maintenance Work (9th Year)	351666.49	0.00	351666.49
Maintenance Work (10th Year)	404416.47	0.00	404416.47
Total	12075293.97	1477412.85	13552706.82
Material (Fertilizer & Chemicals, Seeds, manures, etc..) & Miscellaneous Work GST @ 18%			265934.31
Grand Total			13818641.13
Or Say -			13818641.00

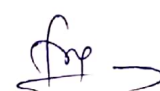
Rs. One crore thirty eight lakh eighteen thousand six hundred forty one only.

#### 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

  
Range Forest Officer,  
Chatra Range.

  
Divisional Forest Officer,  
Chatra South Forest Division.

468

**Forest and Environment Department, Jharkhand**  
**CHATRA SOUTH FOREST DIVISION.**  
**Estimate under Compensatory Afforestation scheme (CAMPA)**  
**132 KV D/C Itkhori-Chatra Transmission Line**  
**Financial Year 2021-22 to 2030-31**

<b>Name of Scheme</b> <b>Name of Site</b> <b>Thana &amp; Thana No.</b> <b>Name of Range</b> <b>Name of Block</b> <b>Plot No. -</b>	<b>Compensatory Afforestation Scheme</b> <b>Chakrawar</b> <b>Gidhour-33</b> <b>Chatra Range</b> <b>Gidhour</b> <b>1P, 1166</b>	<b>Gross Area</b> : 76.31 ha. <b>Net Area</b> : 60.00 ha. <b>No. of Plants</b> : 1666 /ha. <b>Total Fencing</b> : 300.00 Chain <b>Wages Rate</b> : 314.96 /MD <b>Spacing</b> : 3m x 2m
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SI No.	Particulars	Prescribed Rate				Total	Estimated Amount (As Per site)			Remarks	
		Unit	MD (No)	Wages (Rs)	Material (Rs)		Wages (Rs)	Material (Rs)	Total Rs		
		3	4	5	6	7	8	9	10	11	
<b>A</b>	<b>Advance work 1st Year</b>										
1	Survey and Demarcation	ha	3.00	944.88	0.00	944.88	56692.80	0.00	56692.80		
2	Bush Clearance	ha	7.00	2204.72	0.00	2204.72	132283.20	0.00	132283.20		
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, 25 mandays/chain	chain	300 x 25 = 7500 MD	0.00	0.00	0.00	2362200.00	0.00	2362200.00		
4	Pit digging (Dimensiones 0.3m x 0.3mx 0.3m) total number pits 1666/ha.	ha	36.50	11496.04	0.00	11496.04	689762.40	0.00	689762.40		
5	Temporary Nursery including night vigil/guard	ha	16.50	5196.84	0.00	5196.84	311810.40	0.00	311810.40		
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	17322.80	0.00	17322.80	1039368.00	0.00	1039368.00		
8	Silt Retention dam, Check dam, Retaining and Breast wall, Spurs, torrent breakers, etc.	ha	25.00	7874.00	0.00	7874.00	472440.00	0.00	472440.00		
9	Gully plugging	ha	10.00	3149.60	0.00	3149.60	188976.00	0.00	188976.00		
10	Miscellaneous works (Photography, Sign Boards, etc.)		0.00	0.00	150.00	150.00	0.00	9000.00	9000.00		
11	Entry Point activity	ha	0.00	0.00	0.00	0.00	1193730.19	0.00	1193730.19		
	<b>Total</b>		<b>153.00</b>	<b>48188.88</b>	<b>4139.00</b>	<b>52327.88</b>	<b>6447262.99</b>	<b>248340.00</b>	<b>6695602.99</b>		
12	As per condition no. 2(b) Vide MoEF Letter no. FP/JH/TRANS/35719/2013/3221 dated 18.06.2019 Construction of forest Boundary Pillar (Per Pillar @ 7457.00 + Per DGPS survey pillar @ 1306.49 Total- 8763.49) (Include GST)	No.	150	0.00	0.00	0.00	0.00	1314523.50	1314523.50		
	<b>Total</b>			<b>48188.88</b>	<b>4139.00</b>	<b>52327.88</b>	<b>6447262.99</b>	<b>1562863.50</b>	<b>8010126.49</b>		
<b>B</b>	<b>Completion Work (2nd Year)</b>								<b>362.20</b>		
			(Wages rate in 15% increase of per year.)								
1	Nursery (Part) - night guard	ha	21.50	7787.39	0.00	7787.39	467243.16	0.00	467243.16		
2	Plantation activity	ha	36.50	13220.45	0.00	13220.45	793226.76	0.00	793226.76		
3	Two Weedings & hoeings	ha	41.50	15031.47	0.00	15031.47	901887.96	0.00	901887.96		
4	Seed sowing on trench bund	ha	2.00	724.41	0.00	724.41	43464.48	0.00	43464.48		
5	Protection of Plants.		275.00	99606.10	0.00	99606.10	99606.10	0.00	99606.10		
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		
	<b>Total :-</b>		<b>376.50</b>	<b>136369.81</b>	<b>2515.00</b>	<b>138884.81</b>	<b>2305428.46</b>	<b>150900.00</b>	<b>2456328.46</b>		

C Maintenance Work (3rd Year)		(Wages rate in 15% increase of per year.)					416.53		
1	One Weeding	ha	23.00	9580.30	0.00	9580.30	574817.75	0.00	574817.75
2	Fertilizer	ha	0.00	0.00	1892.40	1892.40	0.00	113544.00	113544.00
3	Protection		365.00	152035.13	0.00	152035.13	152035.13	0.00	152035.13
4	Fencing repair	ha	1.00	416.53	0.00	416.53	124960.38	0.00	124960.38
5	Casualty Replacement	ha	3.00	1249.60	290.00	1539.60	74976.23	17400.00	92376.23
Total :-			392.00	163281.56	2182.40	165463.96	926789.49	130944.00	1057733.49
D Maintenance Work (4th Year)		(Wages rate in 15% increase of per year.)					479.01		
1	One Weeding and One Hoeing	ha	23.00	11017.34	0.00	11017.34	661040.41	0.00	661040.41
2	Material (Seed, Fertilizer, Pesticide, etc.)	ha	0.00	0.00	1300.00	1300.00	0.00	78000.00	78000.00
3	Protection		365.00	174840.40	0.00	174840.40	174840.40	0.00	174840.40
4	Casualty Replacement	ha	3.00	1437.04	290.00	1727.04	86222.66	17400.00	103622.66
Total :-			391.00	187294.78	1590.00	188884.78	922103.47	95400.00	1017503.47
E Maintenance Work (5th Year)		(Wages rate in 15% increase of per year.)					550.87		
1	One Weeding and Hoeing	ha	23.00	12669.94	0.00	12669.94	760196.47	0.00	760196.47
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	550.87	0.00	550.87	165260.10	0.00	165260.10
4	Protection		365.00	201066.46	0.00	201066.46	201066.46	0.00	201066.46
Total :-			389.00	214287.27	500.00	214787.27	1126523.03	30000.00	1156523.03
F Maintenance Work (6th Year)		(Wages rate in 15% increase of per year.)					633.50		
1	Protection		365.00	231226.43	0.00	231226.43	231226.43	0.00	231226.43
Total :-			365.00	231226.43	0.00	231226.43	231226.43	0.00	231226.43
G Maintenance Work (7th Year)		(Wages rate in 15% increase of per year.)					728.52		
1	Protection		365.00	265910.39	0.00	265910.39	265910.39	0.00	265910.39
Total :-			365.00	265910.39	0.00	265910.39	265910.39	0.00	265910.39
H Maintenance Work (8th Year)		(Wages rate in 15% increase of per year.)					837.80		
1	Protection		365.00	305796.95	0.00	305796.95	305796.95	0.00	305796.95
Total :-			365.00	305796.95	0.00	305796.95	305796.95	0.00	305796.95
I Maintenance Work (9th Year)		(Wages rate in 15% increase of per year.)					963.47		
1	Protection		365.00	351666.49	0.00	351666.49	351666.49	0.00	351666.49
Total :-			365.00	351666.49	0.00	351666.49	351666.49	0.00	351666.49
J Maintenance Work (10th Year)		(Wages rate in 15% increase of per year.)					1107.99		
1	Protection		365.00	404416.47	0.00	404416.47	404416.47	0.00	404416.47
Total :-			365.00	404416.47	0.00	404416.47	404416.47	0.00	404416.47

**ABSTRACT**

Work & Year	Wages	Mateirals	Total
Advance work 1st Year	6447262.99	1562863.50	8010126.49
Completion Work (2nd Year)	2305428.46	150900.00	2456328.46
Maintenance Work (3rd Year)	926789.49	130944.00	1057733.49
Maintenance Work (4th Year)	922103.47	95400.00	1017503.47
Maintenance Work (5th Year)	1126523.03	30000.00	1156523.03
Maintenance Work (6th Year)	231226.43	0.00	231226.43
Maintenance Work (7th Year)	265910.39	0.00	265910.39
Maintenance Work (8th Year)	305796.95	0.00	305796.95
Maintenance Work (9th Year)	351666.49	0.00	351666.49
Maintenance Work (10th Year)	404416.47	0.00	404416.47
<b>Total</b>	<b>13287124.16</b>	<b>1970107.50</b>	<b>15257231.66</b>
<b>Material (Fertilizer &amp; Chemicals, Seeds, manures, etc.) &amp; Miscellaneous Work GST @ 18%</b>			<b>354619.35</b>
<b>Grand Total</b>			<b>15611851.01</b>
<b>Or Say -</b>			<b>15611851.00</b>

Rs. One crore fifty six lakh eleven thousand eight hundred fifty one only.

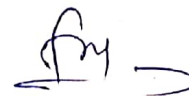
**Note :-**

- 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. 564 dt. 19.06.2019
- Trench repair is as per S.O.R. of forest departmental estimate.
- Provision of cattle watcher is as per S.O.R.

Submitted



Range Forest Officer,  
Chatra Range.



Divisional Forest Officer,  
Chatra South Forest Division.