

DETAILED EASTIMATE

DWARF/MEDICINAL PLANTATION UNDER COMPENSATORY AFORESTATION FOR 765KV D/C

TRANSMISSION LINE KHETRI - JHATIKRA

Proposal No. - FP/RJ/TRANS/45462/2020

Area - 2.2401 Ha.

Wage Rate - 213 Per Day

ABSTRACT OF YEARWISE COST

S. No.	Year	Rate	Area in Ha.	Total
1	0 year (Advance work)	46058.30	2.2401	103175.2
2	Planting year	195202.00	2.2401	437272
3	1 <sup>st</sup> year maintenance	127978.00	2.2401	286683.5
4	2 <sup>nd</sup> year maintenance	75380.20	2.2401	168859.2
5	3 <sup>rd</sup> year maintenance	14853.20	2.2401	33272.65
6	4 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
7	5 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
8	6 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
9	7 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
10	8 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
11	9 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
12	10 <sup>th</sup> year maintenance	14853.20	2.2401	33272.65
Amount for medicinal plant C.A. Scheme on base : Rate Rs. 563444 per Ha. As per prescribed approved model 2019 by GOR. (Approved Model Enclosed)		563444	2.2401 Ha.	1262171.13 Says round off Rs. 1262171.00

(राजेन्द्र कुमार हुड्डा)  
उप वन संरक्षक  
झुंझुनू

राजेन्द्र कुमार हुड्डा  
उप वन संरक्षक  
झुंझुनू

**DWARF/MEDICINAL PLANTATION MODEL UNDER COMPENSATORY AFFORESTATION PROJECT FOR HIGH VOLTAGE TRANSMISSION POWER LINE OF 46 METER WIDTH**

1	UNIT-5 (1.1Km length of Transmission Line) -		5	Wage Rate-213 Per day				
2	No. of Plants/Ha.-625 Dwarf Plants & 1375 Medicinal Plants		6	Period- 0 year +11 years				
3	Spacing-4x4 Mt. Dwarf Plants & 2x2 Mt. Medicinal Plants		7	Model Cost per Ha. Rs 563444				
4	Unit for Model Calculation-1 Ha.							
S.N.	Item of Work	BSR Item. No.	Qty.	Unit	Rate in Rs.	Labour Rs.	Material Rs.	Total Rs.
Year 0 ADVANCE WORK								
1	Survey, demarcation and layout	2.1.1C10:C20	1	Ha.	119	119	0	119
2	Dividing area in subplots, their marking on ground & preparation of map		1	Ha.	193	193	0	193
3	Layout for excavation of pits	2.1.3	2000	Nos.	0.79	1580	0	1580
4	Digging of pits							
	(i) 0.45x0.45x0.45 cm. Hard Soil upto 10% boulders	4.1.3	625	Nos.	12.45	7781	0	7781
	(ii) 0.30x0.30x0.30 cm. Hard Soil upto 10% boulders	4.1.3	1375	Nos.	3.98	5472	0	5472
5	Construction of loose stone check dam in nallahs lead upto 200 m.	3.5.1	50	Cum	242.14	12107	0	12107
6	Construction of thatched cattle guard hut (one time L.S.)	-	Prorata	-	-	0	8025	8025
7	Purchase of tools & plants (one time L.S.)	-	Prorata	-	-	0	1070	1070
8	Purchase of water storage tank (one time L.S.)	-	Prorata	-	-	0	5350	5350
9	Purchase of sign board and its fixing (one time L.S.)	-	Prorata	-	-	0	535	535
10	Miscellaneous & unforeseen exp.	-				0	3826.32	3826.32
<b>TOTAL</b>						<b>27252</b>	<b>18806.3</b>	<b>46058.3</b>

Sudha (Insp) अधिकारी  
 DCS (Plan) (प्रशासन)  
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राजेश कुमार हुड्डा  
 उप वन संरक्षक.  
 झुंझुनूं

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 (Priya Ranjan)  
 (DCS (Plan))  
 मुख्य वन संरक्षक (आयोजना)  
 राजस्थान जयपुर



**2nd Year Operation (1st year Maintenance)**

S.N.	Details of Activities		Qty.	Unit	Rate	Labour	Material	Amount
1	Casualty replacement 20%							
	(a) Cost of Plants		440	Nos.	20.00	0	8800	8800
	(b) Reddiging of pits							
	(i) 0.45x0.45x0.45 Mt		125	Nos.	1.57	815	0	815
	(ii) 0.30x0.30x0.30 Mt		275	Nos.	1.96	539	0	539
	(c) Local transport and planting of plants (in bags size 15x22.5) with treatment & initial watering.	B.4.3.2.2 + B.5.1.3 + water	400	Nos.	15.26	6104	0	6104
	(d) soil treatment	B.4.1	400	Nos.	0.45	180	0	180
2	Weeding and Hoeing of plants in 2 times	B.6.1.2	4000	Nos.	4.35	17400	0	17400
			(2000x2)					
3	Watering of Plants 4 times	B.5.1.3	6000	Nos.	5.14	30840	0	30840
4	Hoeing of plants after each watering (4 times)	B.6.2	8000	Nos.	2.33	18640	0	18640
			(2000x4)					
5	Repair of Thanwla	B.4.4.4	2000	Nos.	1.38	2760	0	2760
6	Cost of water @ 300/tanker of 3000 ltr.	-	40	Tanker	300	0	12840	12840
7	Watch & ward (1/5) for 12 months @ 1045x12 month	-	12	month	1107.6	13291	0	13291
8	Misc. & unforeseen exp.	-	-	-	-	0	4872.78	4872.78
	<b>TOTAL</b>					<b>100849</b>	<b>27128.8</b>	<b>127948</b>

**3rd Year Operation (IInd year Maintenance)**

S.N.	Details of Activities		Qty.	Unit	Rate	Labour	Material	Amount
1	Watering of plants 3 times	8.5.1.3	6000	Nos.	5.14	30840	0	30840
2	Hoeing of plants after each watering	8.6.2	6000	Nos.	2.33	13980	0	13980
			(2000x3)					
3	Repair of Thanwla once	8.4.4.4	2000	Nos.	1.38	2760	0	2760
4	Cost of water @ 300/tanker of 3000 ltr.	-	30	Tanker	300	0	9630	9630
5	Watch & ward (1/5) for 12 months @ 5538/5 = 1107.6x12	-	12	Month	1107.6	13291	0	13291
6	Misc. & unforeseen exp.	-	-	L5	-	0	4879.2	4879.2
	<b>TOTAL</b>					<b>60871</b>	<b>14509.2</b>	<b>75380.2</b>

*Sudhir*

राजेन्द्र कुमार हड़डा  
उप वन संरक्षक  
मुंडाना

*Priya Ranjar*  
CCF (Plan)

(Sudhir Jain)  
DCP (Plan)  
श्री. १९३३७

(प्रिय रंजन)  
मुख्य वन संरक्षक (आयोजना)  
राजस्थान जयपुर

**4th Year Operation (3rd year Maintenance)**

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
<b>TOTAL</b>					<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

**5th Year Operation (4th year Maintenance)**

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
<b>TOTAL</b>					<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

**6th Year Operation (5th year Maintenance)**

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
<b>TOTAL</b>					<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

**7th Year Operation (6th year Maintenance)**

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
<b>TOTAL</b>					<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

**8th Year Operation (7th year Maintenance)**

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
<b>TOTAL</b>					<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

**9th Year Operation (8th year Maintenance)**

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
<b>TOTAL</b>					<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

(Sudhir Ranjan)  
 Deputy Director (Operations)  
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 (Priya Ranja)  
 CCE (Pl)

(रिज रंजना)  
 वन संचालक (आयोजना)  
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10th Year Operation (9th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	<b>TOTAL</b>				<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

  

11th Year Operation (10th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1107.6	13291	0	13291
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	<b>TOTAL</b>				<b>13291</b>	<b>1562.2</b>	<b>14853.2</b>

### ABSTRACT OF YEARWISE MODEL COST

S.No	Year	Labour	Material	Total
1	0 Year (Advance Work)	27252	18806.32	46058.3
	Planting Year	124111	71090.8	195202
3	I Year Maintenance	100849	27128.78	127978
4	II Year Maintenance	60871	14509.2	75380.2
5	III Year Maintenance	13291	1562.2	14853.2
6	IV Year Maintenance	13291	1562.2	14853.2
7	V Year Maintenance	13291	1562.2	14853.2
8	VI Year Maintenance	13291	1562.2	14853.2
9	VII Year Maintenance	13291	1562.2	14853.2
10	VIII Year Maintenance	13291	1562.2	14853.2
11	IX Year Maintenance	13291	1562.2	14853.2
12	X Year Maintenance	13291	1562.2	14853.2
	<b>TOTAL</b>	<b>419411</b>	<b>144032.7</b>	<b>563444</b>

(Sudhir Jain)  
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