

Deputy Conservator of Forest, Alwar (Rajasthan)

DETAILS OF AMOUNT FOR MEDICINAL PLANT(Labour Rate: 259/- Rupees)

Construction of 765 KV D/C Sikar-II -Aligarh Transmission line, District- Sikar, Jaipur & Alwar (Rajasthan) in Rajasthan Portion Ap-01 to Ap-183 Common Point Rajasthan State Boundary. Total Route Length 174.350km."

Proposal No. :FP/RJ/TRANS/144853/2021(Diversion Area Alwar Division = 4.3215 Ha)

DWARF/MEDICINAL PLANTATION MODEL UNDER COMPENSATORY AFFORESTATION PROJECT FOR HIGH VOLTAGE TRANSMISSION POWER LINE OF 67 METER WIDTH

1	UNIT-5 (1.1Km Length of Transmission line)	5. Wage Rate-259 per day
2	No of plants per Ha. 625 & 1375 med. plants	6. Period =0 year + 11 years
3	Spacing 4x4 m for Dwarf plants & 2x2m for medicinal Plans	7. Model Cost per Ha. RS. 681876/-
4	Unit for Model Calculation-1 Ha.	

S.No	Item of Work	BSR Item No.	Qty.	Unit	Rate in Rs.	Labour Rs.	Material Rs.	Total Rs.
1	Survey demarcation and Layout	2.1.1C10:C20	1	Ha.	125	144.7	0	144.70
2	Dividing area in marking on ground & preparation of map		1	Ha.	203	234.68	0	234.68
3	Layout for excavation of pits	2.1.3	2000	Nos.	0.79	1921.22	0	1921.22
4	Digging of pits							
	(i)0.30x0.30x0.30cm Hard Soil upto10%boulders	4.1.3	625	Nos.	13.15	6653.75	0	6653.75
	(ii)0.45x0.45x0.45cm Hard Soil upto10%boulders	4.1.3	1375	Nos.	4.2	9461.4	0	9461.40
5	Construction of loose some check dam in nallahs lead upto 200 m.	3.5.1	50	Cum	255.78	14721.66	0	14721.66
6	Construction of thatched cattle guard hut (one time L.S.)	-	Prorata	-	-	0	8025	8025.00
7	Purchase of tools & plants (one time L.S.)	-	Prorata	-	-	0	1070	1070.00
8	Purchase of water storage tank (one time L. S.)	-	Prorata	-	-	0	5350	5350.00
9	Purchase of sign board and its fixing (one time L. S.)		Prorata	-	-	0	535	535.00
10	Miscellaneous & unforeseen exp.			-	-	0	3826.32	3826.32
Total						33137.41	18806.3	51943.7

1st Year Operation (Planting year)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Purchase of medicinal/dwarf plants and transportation upto planting site		2200	Nos.	21.4	0	47080	47080
2	Treatment of pit soil with insecticide	8.4.1	2000	Nos.	0.47	1094.37	0	1094.37
3	Local transport and planting of medicinal plants (in bags size 15x22.5)with treatment & initial watering.	8.4.3.2.2+8.5.1.3 +water charges	2000	Nos.	16.11	37111.17	0	37111.17
4	Marking of crescent shaped thanwala, having 45 cm radius, around plants in stony hilly areas.	8.4.4.3	2000	Nos.	8.12	18701.5	0	18701.5
5	Fertilizer application urea dose 2 time	8.4.4.5	4000 (2000x2)	Nos.	0.47	2188.73	0	2129.58

	Purchase of fertilizer for plants	-	Prorata-	-	-	0	2140	2140
	Weeding & Hoeing of plants in plantations (in 45cm radius and 15	8.6.1.2	4000	Nos.	4.59	21157.75	0	21157.75
			(2000x2)					
8	Watering 3 times except rainy season 30 lit. per plants	8.5.1.3	6000	Nos.	5.42	37500.28	0	37500.28
			(2000x3)					
9	Purchase of water @ 300/tanker of 3000 lit.	-	30	Tanker	32.1	0	9630	9630
10	Hoeing of plants after every watering	8.6.2	6000	Nos.	2.46	16999.15	0	16999.15
			(2000x3)					
11	Purchase of Insecticide		Prorata-	-	-	0	3210	3210
12	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
13	Miscellaneous exp.		-	-	-	0	9030.8	9030.8
	Total					153452.01	71090.8	224484

2nd Year Operation (1st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Casualty replacement-20%							
	(a)Cost of plants	-	440	Nos.	21.4	0	9416	9416
	(b) Redigging of pits	-	-	-	-	-	-	-
	(i)0.45x0.45x0.45mt	-	125	Nos.	6.88	991.01	0	991.01
	(ii)0.30x0.30 x 0.30mt	-	275	Nos.	2.07	655.4	0	655.4
	(c) Local transport and planting of medicinal plants (in bags size 15x22.5)with treatment & initial watering.	8.4.3.2.2+8.5.1.3 +water charges	400	Nos.	16.11	7422.23	0	7422.23
	(d) Soil treatment	8.4.1	400	Nos.	0.47	218.87	0	218.87
2	Weeding & Hoeing of plants in 2 times	8.6.1.2	4000	Nos.	4.59	21157.75	0	21157.75
			(2000x2)					
3	Watering of plants 4 times	8.5.1.3	8000	Nos.	5.42	50000.38	0	50000.38
4	Hoeing of plants after each watering (4 times)	8.6.2	6000	Nos.	2.46	22665.54	0	22665.54
			(2000x4)					
5	Repair of Thanwla	8.4.4.4	2000	Nos.	1.45	3356.06	0	3356.06
6	Cost of water @ 300/tanker of 3000 ltr.	-	40	Tanker	3.21	0	12840	12840
7	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
8	Misc. & unforeseen Exp.		-	-	-	0	4872.8	4872.8
	Total					125166.3	27128.8	152295.1

3rd Year Operation (2st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watering of plants 3 times	8.5.1.3	6000	Nos.	5.42	37500.28	0	37500.28
2	Hoeing of plants after each watering	8.6.2	6000	Nos.	2.46	16999.15	0	16999.15
			(2000x3)					
3	Repair of Thanwla once	8.4.4.4	2000	Nos.	1.45	3356.06	0	3356.06
4	Cost of water @ 300/tanker of 3000 ltr.	-	30	Tanker	321	0	9630	9630
5	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
6	Misc. & unforeseen Exp.		-	LS	-	0	4879.2	4879.2
	Total					76554.553	14509.2	91063.753

4nd Year Operation (3st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	-	0	1562.2	1562.2
Total						18699.063	1562.2	20261.263

5nd Year Operation (4st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	-	0	1562.2	1562.2
Total						18699.063	1562.2	20261.263

6nd Year Operation (5st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	-	0	1562.2	1562.2
Total						18699.063	1562.2	20261.263

7nd Year Operation (6st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	-	0	1562.2	1562.2
Total						18699.063	1562.2	20261.263

8nd Year Operation (7st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	-	0	1562.2	1562.2
Total						18699.063	1562.2	20261.263

9nd Year Operation (8st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}		12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	-	0	1562.2	1562.2
Total						18699.063	1562.2	20261.263

10nd Year Operation (9st year Maintenance)

Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}	12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	0	1562.2	1562.2
Total					18699.063	1562.2	20261.263

11nd Year Operation (10st year Maintenance)

S. No	Details of Activates	Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & Ward for 12 month @ 6734/month {(259 X 26 X 12) / 4.3215}	12 month	Month	1558.26	18699.06	0	18699.06
2	Misc. & unforeseen Exp.	-	-	-	0	1562.2	1562.2
Total					18699.063	1562.2	20261.263

PER HA. ABSTRACT

S. No.	Year	Labour	Material	Total
1	0 Years(Advance Work)	33137.41	18806.32	51943.73
2	Planting Year	153452.01	71090.80	224483.66
3	I Year Maintenance	125166.30	27128.80	152295.10
4	II Year Maintenance	76554.55	14509.20	91063.75
5	III Year Maintenance	18699.06	1562.20	20261.26
6	IV Year Maintenance	18699.06	1562.20	20261.26
7	V Year Maintenance	18699.06	1562.20	20261.26
8	VI Year Maintenance	18699.06	1562.20	20261.26
9	VII Year Maintenance	18699.06	1562.20	20261.26
10	VIII Year Maintenance	18699.06	1562.20	20261.26
11	IX Year Maintenance	18699.06	1562.20	20261.26
12	X Year Maintenance	18699.06	1562.20	20261.26
Amount for Medicinal Plant		537902.78	144032.72	681876.35

Hence Total Medicinal Plant Amount for Construction of 765 KV D/C Sikar-II -Aligarh Transmission line, District- Sikar, Jaipur & Alwar (Rajasthan) in Rajasthan Portion Ap-01 to Ap-183 Common Point Rajasthan State Boundary. Total Route Length 174.350km."

Proposal No. :FP/RJ/TRANS/144853/2021 will be :4.3215 x Rs.

681876.32/- = Rs. 29,46,727/- (Twenty Nine Lacs, Fourty Six Thousand, Seven Hundred Twenty Seven Only)

Place : Alwar

Date : 13-01-2023

(Signature)

Name-----

Designation -----

Office Seal

ह. को. श्रीवास्तव
उप वन संरक्षक
अलवर (राज.)