Deputy Conservator of Forest, Wildlife, Rajsamand

DETALS OF AMOUNT FOR MEDICINAL PLANT (Labour Rate: 252/- Rupees)

"Construction of 11 kv Transmission line for Rural Electrification of Bera Sukh Sagar to Village Sand Mangra,Khejdi ka Bala, Lakha ka Khet, Dist. Pali.".

DWARF/MEDICINAL PLANTATION MODEL UNDER COMPENSATORY AFFORESTATION PROJECT FOR "Construction of 11 kv Transmission line for Rural Electrification of Bera Sukh Sagar to Village Sand Mangra,Khejdi ka Bala, Lakha ka Khet, Dist. Pali.".

1.	UNIT-5 (1.1Km Length of Transmission line)	5. Wage Rate-252 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. 640237/-
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	140.79	0	140.789
2	Dividing area in marking on ground & preparation of map		1	Ha.	203	228.34	0	228.34
3	Layout for excavation of pits	2.1.3	2000	Nos.	0.79	1869.30	0	1869.30
4	**Digging of pits**							
	(i)0.30x0.30x0.30cm Hard Soil upto10%boulders	4.1.3	625	Nos.	13.15	9205.69	0	9205.69
	(ii)0.45x0.45x0.45cm Hard Soil upto10%boulders	4.1.3	1375	Nos.	4.20	6473.92	0	6473.92
5	Construction of loose some check dam in nallahs lead upto 200 m.	3.5.1	50	Cum	255.78	14323.77	0	14323.77
6	Construction of thatched cattle guard hut (one time L.S.)	-	Prorata	-	-	0.0	8025	8025

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
	Purchase of tools & plants (one time L.S.)	-	Prorata	-	-	0.0	1070	1070
8	Purchase of water storage tank (one time L. S.)	-	Prorata	-	-	0.0	5350	5350
9	Purchase of sign board and its fixing (one time L. S.)		Prorata	-	-	0.0	535	535
10	Miscellaneous & unforeseen exp.			-	-	0	3826.32	3826.32
	Total					**32241.80**	**18806.3**	**51048.10**
	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	0.00	47080	47080
2	Treatment of pit soil with insecticide	8.4.1	2000	Nos.	0.47	1064.79	0	1064.79
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	36108.17	0	36108.20
4	Marking of crescent shaped thanwala, having 45 cm radius, around plants in stony hilly areas.	8.4.4.3	2000	Nos.	8.12	18196.06	0	18196.06
5	Fertilizer application urea dose 2 time	8.4.4.5	4000 (2000x 2)	Nos.	0.47	2129.58	0	2129.58
6	Purchase of fertilizer for plants	-	Prorata -	-	-	0.00	2140	2140
7	Weeding & Hoeing of plants in plantations (in 45cm radius and 15 cm depth) hard and boulder Soil 2 times	8.6.1.2	4000 (2000x 2)	Nos.	4.59	20585.92	0	20585.92
8	Watering 3 times except rainy season 30 lit. per plants	8.5.1.3	6000 (2000x 3)	Nos.	5.42	36486.76	0	36486.80
9	Purchase of water @ 300/tanker of 3000 lit.	-	30	Tanker	32.1	0.00	9630	9630
10	Hoeing of plants after every watering	8.6.2	6000 (2000x 3)	Nos.	2.46	16539.72	0	16539.7
11	Purchase of		Prorata	-	-	0	3210	3210

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount

	Insecticide		-					
12	Watch & Ward for 12 month @ 5538/month (one C.G. for 5 ha.)		12 month	Month	1169.91	15724.56	0	15724.6
13	Miscellaneous exp.		-	-	-	0	9030.8	9030.8
	Total					146835.55	71090.8	217926

2nd Year Operation (1st year Maintenance)								
S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Casualty replacement-20%					0.00	0.00	0.00
	(a)Cost of plants	-	440	Nos.	21.4	0	9416	9416
	(b) Redigging of pits	-	-	-	-	-	-	-
	(i)0.45x0.45x0.45 mt	-	125	Nos.	6.88	964.23	0	964.225
	(ii)0.30x0.30 x 0.30mt	-	275	Nos.	2.07	637.69	0	637.69
	(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	7221.63	0	7221.63
	(d) Soil treatment	8.4.1	400	Nos.	0.47	212.96	0	212.958
2	Weeding & Hoeing of plants in 2 times	8.6.1.2	4000 (2000x 2)	Nos.	4.59	20585.92	0	20585.9
3	Watering of plants 4 times	8.5.1.3	8000	Nos.	5.42	48649.01	0	48649
4	Hoeing of plants after each watering (4 times)	8.6.2	6000 (2000x 4)	Nos.	2.46	22052.96	0	22053
5	Repair of Thanwla	8.4.4.4	2000	Nos.	1.45	3265.35	0	3265.35
6	Cost of water @ 300/tanker of 3000 ltr.	-	40	Tanker	3.21	0.0	12840	12840
7	Watch & ward (1/5) for 12 months @ 1045x12 month	-	12	Month	1169.9	15724.56		15724.6
8	Misc. & unforeseen Exp.		-	-	-	0.0	4872.8	4872.78
	Total					119314.31	27128.8	146443

1	Watering of plants 3 times	8.5.1.3	6000	Nos.	5.42	32577.46	0	32577.5
2	Hoeing of plants after each watering	8.6.2	6000 (2000x 3)	Nos.	2.46	14767.61	0	14767.6
3	Repair of Thanwla once	8.4.4.4	2000	Nos.	1.45	2915.49	0	2915.49
4	Cost of water @ 300/tanker of 3000 ltr.	-	30	Tan ker	321	0.0	9630	9630
5	Watch & ward (1/5) for 12 months @ 15538/5 = 1107.6x12	-	12	Mon th	1169.9 1	15724.56	0	15724.6
6	Misc. & unforeseen Exp.		-	LS	-	0.0	4879.2	4879.2
	Total					**72016.39**	**14509.2**	**86525.6**

4nd Year Operation (3st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Mon th	1169.9	15724.56 3	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.56 3**	**1562.2**	**17286. 8**

5nd Year Operation (4st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Mon th	1169.9	15724.56 3	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.56 3**	**1562.2**	**17286.8**

6nd Year Operation (5st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Mon th	1169.9	15724.56 3	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.56 3**	**1562.2**	**17286.8**

7nd Year Operation (6st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for	-	12	Mon	1169.9	15724.56	0	15724.6

	12 months 5538/5 = 1107.6x12			th		3		
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.563**	**1562.2**	**17286.8**

8nd Year Operation (7st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.563**	**1562.2**	**17286.8**

9nd Year Operation (8st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.563**	**1562.2**	**17286.8**

10nd Year Operation (9st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.563**	**1562.2**	**17286.8**

11nd Year Operation (10st year Maintenance)

S. No	Details of Activates		Qty.	Unit	Rate	Labour	Material	Amount
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen Exp.	-	-	-	-	0.0	1562.2	1562.2
	Total					**15724.563**	**1562.2**	**17286.8**

PER HA. ABSTRACT				
S.No.	**Year**	**Labour**	**Material**	**Total**
1	0 Years (Advance Work)	32241.80	18806.32	51048.1
2	Planting Year	146835.55	71090.8	217926
3	I Year Maintenance	119314.31	27128.78	146443
4	II Year Maintenance	72016.39	14509.2	86525.6
5	III Year Maintenance	15724.563	1562.2	17286.8
6	IV Year Maintenance	15724.563	1562.2	17286.8
7	V Year Maintenance	15724.563	1562.2	17286.8
8	VI Year Maintenance	15724.563	1562.2	17286.8
9	VII Year Maintenance	15724.563	1562.2	17286.8
10	VIII Year Maintenance	15724.563	1562.2	17286.8
11	IX Year Maintenance	15724.563	1562.2	17286.8
12	X Year Maintenance	15724.563	1562.2	17286.8
Amount for Medicinal Plant		**486204.56**	**144032.7**	**640237**

Hence Total Medicinal Plant Amount for Construction of 11 kv Transmission line for Rural Electrification of Bera Sukh Sagar to Village Sand Mangra,Khejdi ka Bala, Lakha ka Khet, Dist. Pali.".

Proposal No. : FP/RJ/ROAD/45258/2020 will be : **0.8491 x Rs. 640237/- = Rs. 5,43,625/-(Five Lacs, forty three Thousand, Six Hundred Twenty five Only)**

Place : Rajsamand
Date : 10-06-2022

(Signature)

Name-Vinod kumar Rai

Designation DCF WL, Rajsamand

Official Seal-उप वन संरक्षक
वन्यजीव, राजसमन्द