



## कार्यालय उप वन संरक्षक, बीकानेर

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पब्लिक पार्क, बीकानेर फोन- 0151-2544951

क्रमांक - एफ( )सर्वे/उवसं-बी/2021-22/ 4918  
निमित्त,

दिनांक :- 13-7-2021

संभागीय मुख्य वन संरक्षक  
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विषय:- "Construction of 220 KV S/C Transmission Line for Power Evacuation from 200 MW Solar Power Project of M/s Mahindra Susten Private Limited Village Khari Charnan, Tehsil-Kolayat, District Bikaner Rajasthan to RVPNL 220 KV Gajner Substation PROPOSAL NO. : FP/RJ/TRANS/116897/2020

महोदय,

उपरोक्त विषयान्तर्गत निवेदन है कि उक्त वन भूमि प्रत्यावर्तन प्रकरण में दिनांक 07.07.2021 को लगाये गये ई.डी.एस. की बिन्दुवार पालना ऑनलाईन करते हुए चार प्रति में संलग्न प्रेषित है।

संलग्न:- उक्तानुसार।

भवदीय  
13/7/21  
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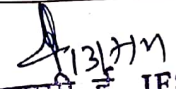


## Deputy Conservator of Forest, Bikner (Rajasthan)

### DETAILS OF AMOUNT FOR MEDICINAL PLANT

**Construction of 220 KV S/C Transmission line for Power Evacuation from 200 MW Solar Power Project of M/s Mahindra Susten Private Limited, Village – Khari Charnan, Tehsil – Kolayat, District – Bikaner, Rajasthan to RVPN 220 KV Gajner Substation forest Diversion Proposal - FP/RJ/TRANS/116897/2020**

<b>MODEL COST ESTIMATE FOR DWARF/MEDICINAL PLANTATION</b>							
1. UNIT-5 (1.1Km length of transmission line)				4. Wage Rate- 225/- per day			
2. No of plants per Ha. 625&1375 med plants				5. Period = 0 + 11 years.			
3. Spacing 4X4 m for Dwarf plants & 2X2 m for medicinal Plants				6. Unit- 1 Ha.			
S.N.	ADVANCE WORK	Qty.	Unit	Rate in Rs.	Labour Rs.	Material Rs.	Total Rs.
1	Survey, demarcation and layout	Ha.	Ha.	126	126	0	126
2	Dividing area in subplots, their marking on ground & preparation of map	Ha.	Ha.	204	204	0	204
3	Layout for excavation of pits	2000	Nos.	0.83	1669	0	1669
4	<b>Digging of pits</b>						
	(i) 0.45x0.45x0.45 cm. Hard Soil 30 to 50% boulders	625	Nos.	13.15	8219	0	8219
	(ii) 0.30x0.30x0.30 cm. Hard Soil 30 to 50% boulders	1375	Nos.	4.2	5780	0	5780
5	Construction of loose some check dam in nallahs lead upto 200 m.	50	Cum	255.78	12789	0	12789
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	3826
<b>- TOTAL</b>					<b>28787</b>	<b>18806</b>	<b>47593</b>
<b>1st Year Operation (Planting year)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Amount
1	Purchase of medicinal/dwarf plants and transportation upto planting site	2200	Nos.	20	0	47080	47080
2	Treatment of pit soil with insecticide	2000	Nos.	0.475	951	0	951
3	Local transport and planting of medicinal plants	2000 (size 15x2 2.5)	Nos.	16.12	32239	0	32239

  
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4	Construction of half crescent shaped Thanwala of at least 45 cm Radius stony hilly area	2000	Nos.	8.12	16246	0	16246
5	Fertilizer application urea dose 2 time	4000 (2000x2)	Nos.	0.475	1901	0	1901
6	Purchase of fertilizer for plants	Prorata	-	-	0	2140	2140
7	Weeding & Hoeing work 2 times	4000	Nos.	4.6	18380	0	18380
8	Watering 3 times except rainy season 30 lit. per plants	6000 (2000x3)	Nos.	5.43	32577	0	32577
9	Purchase of water @ 300/tanker of 3000 lit.	60	Tanker	300	0	9630	9630
10	Hoeing of plants after every watering	6000	Nos.	2.46	14768	0	14768
11	Purchase of Insecticide	Prorata	-	-	0	3210	3210
12	Watch & Ward for 12 month @ 5850/month (one C.G. for 5 ha.)	12 month	Month	1170	14040		14040
13	Miscellaneous exp.		-	-	0	9030	9030
<b>TOTAL</b>					<b>131102</b>	<b>71090</b>	<b>202192</b>

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

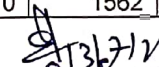
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Amount
1	Casualty replacement-10%						
	(a) Cost of plants	440	Nos.	21.4	0	9416	9416
	(b) Redigging of pits						
	(i) .45X.45X.45 CMT	125	Nos.	6.82	861	0	861
	(ii) .60X.60X.60 CMT	275	Nos.	2.07	569	0	569
	(c) Transportation of plants & Planting	400	Nos.	16.12	6448	0	6448
	¼d½ Soil treatment	400	Nos.	0.475	190	0	190
2	Weeding & Hoeing work 2 times	4000	Nos.	4.6	18380	0	18380
3	Watering of plants 4 times	8000	Nos.	5.43	43437	0	43437
4	Hoeing of plants after each watering (4 times)	8000 (2000x4)	Nos.	2.46	19690	0	19690
5	Repair of Thanwla	2000	Nos.	1.46	2915	0	2915
6	Cost of water @ 300/tanker of 3000 ltr.	80	Tanker	300	0	12840	12840
7	Watch & ward (1/5) for 12 months @ 1170x12 month	12	month	1170	14040		14040
8	Misc. & unforeseen exp.	-	-	-	0	4872	4872
<b>TOTAL</b>					<b>106530</b>	<b>27128</b>	<b>133658</b>

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

S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Amount
1	Watering of plants 3 times	6000	Nos.	5.43	32577	0	32577
2	Hoeing of plants after each watering	6000	Nos.	2.46	14768	0	14768
3	Repair of Thanwla once	2000	Nos.	1.44	2915	0	2915
4	Cost of water @ 300/tanker of 3000 ltr.	60	Tanker	300	0	9630	9630
5	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
6	Misc. & unforeseen exp.	-	LS	-	0	4879	4879

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TOTAL					64300	14509	78809
<b>4th Year Operation (3rd year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>5th Year Operation (4th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>6th Year Operation (5th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>7th Year Operation (6th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>8th Year Operation (7th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>9th Year Operation (8th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>10th Year Operation (9th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562

  
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<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>
<b>11th Year Operation (10th year Maintenance)</b>							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward (1/5) for 12 months @ 1170x12 month	12	Month	1170	14040		14040
2	Misc. & unforeseen exp.	-	-	-	0	1562	1562
<b>TOTAL</b>					<b>14040</b>	<b>1562</b>	<b>15602</b>

<b>Per ha. Abstract</b>					
S.No.	Year		Labour	Material	Total
1	0 Year (Advance Work)		28787	18806	47593
2	Planting Year		131102	71090	202192
3	I Year Maintenance		106530	27128	133658
4	II Year Maintenance		64300	14509	78809
5	III Year Maintenance		14040	1562	15602
6	IV Year Maintenance		14040	1562	15602
7	V Year Maintenance		14040	1562	15602
8	VI Year Maintenance		14040	1562	15602
9	VII Year Maintenance		14040	1562	15602
10	VIII Year Maintenance		14040	1562	15602
11	IX Year Maintenance		14040	1562	15602
12	X Year Maintenance		14040	1562	15602
<b>TOTAL</b>			<b>443039</b>	<b>144029</b>	<b>587068</b>
<b>SAY</b>					<b>587100</b>

Hence Total Medicinal Plant Amount for Construction of 220 KV S/C Transmission line for Power Evacuation from 200 MW Solar Power Project of M/s Mahindra Susten Private Limited, Village – Khari Charnan, Tehsil – Kolayat, District – Bikaner, Rajasthan to RVPN 220 KV Gajner Substation (FP/RJ/TRANS/116897/2020) will be :

0.50 x Rs. 5, 87,100/- = Rs. 2,93,550/- (Two Lakhs, Ninety Three Thousand, Five Hundred Fifty Rupees Only).

Place: Bikaner

Date: 12.07.2021

(Signature)

Name ..... (रंगास्वामी ई, IFS)

Designation ..... उप वन संरक्षक

Official Seal..... बीकानेर