

## कार्यालय उप वन संरक्षक, सांवली रोड़, सीकर

Full Title of the Project :CONSTRUCTION OF 765 KV D/C SIKAR-II- ALIGARH TRANSMISSION LINE, DISTRICT-SIKAR, JAIPUR & ALWAR (RAJASTHAN) IN RAJASTHAN PORTION AP-01 TO AP-180 COMMON POINT RAJASTHAN STATE BOUNDARY. TOTAL ROUTE LENGTH 180.946 KM.

File No. : FP/RJ/TRANS/144853/2021

Date of Proposal : 26-07-2021

Diversion Area: 15.8321

### "SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 0.2278 ha. of forest area to be diverted for **"CONSTRUCTION OF 765 KV D/C SIKAR-II- ALIGARH TRANSMISSION LINE, DISTRICT-SIKAR, JAIPUR & ALWAR (RAJASTHAN) IN RAJASTHAN PORTION AP-01 TO AP-180 COMMON POINT RAJASTHAN STATE BOUNDARY. TOTAL ROUTE LENGTH 180.946 KM."** in favour of SIKAR-II ALIGARH TRANSMISSION LIMITED (A 100% WHOLLY OWNED SUBSIDIARY OF POWERGRID CORPORATION OF INDIA LIMITED).

#### 1- Details of degraded forest land:-

District :Sikar

Village : Palsana

Tehsil :Dantaramgarh

Name of Forest Division Sikar, Range : Sikar

Block- Palsana/Compartment- 1 /Survey No. 2293 Village-Palsana

Area to be afforested –1.00 ha.

#### 2- Description of Area :-

- I)Whether the site selected for Compensatory Afforestation is a land bank or not : No
- II)If the CA site is other than the land bank, reasons be given : 450 plants are proposed to be planted on forest land of Forest Block-Palsana, village-Palsana khasra No. 2293
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :NA
- IV) Soil type : Sandy/clayey
- (V)Topography : Plain
- (a)Hilly/Undulating/Plain: Plain
- (b)Slope: Steep/Medium/Gentle:-Gentle.
- VI)Whether the area is bearing any root stock of vegetation : Yes.

### 3- Plantation Model :-

Copy of the approved Compensatory Afforestation Scheme/ Model showing component wise physical and financial break up to be enclosed of 1501 plants.

### 4-Schedule of Plantation Programme :-

Details of year wise break up of requirements of funds is as under:-

Year	Area in Ha.	Rate/ha. As per Model
0 <sup>th</sup> Year	1.00	179000.00
1 <sup>st</sup> Year	1.00	60137.05
2 <sup>nd</sup> Year	1.00	42506.50
3 <sup>rd</sup> Year	1.00	28612.23
4 <sup>th</sup> Year	1.00	3608.00
5 <sup>th</sup> Year	1.00	3413.60
6 <sup>th</sup> Year	1.00	3413.60
7 <sup>th</sup> Year	1.00	2963.00
8 <sup>th</sup> Year	1.00	2963.00
9 <sup>th</sup> Year	1.00	2963.00
10 <sup>th</sup> Year	1.00	2142.00
11 <sup>th</sup> Year	1.00	2142.00
12 <sup>th</sup> Year	1.00	2136.00
G. Total		336000/-

### 5. Technical details :-

Technical details of Compensatory Afforestation Scheme are as follows :-

kkkk) General Details :-Plantation will be in Forest Block Palsana, village Palsana Protected forest area.

llll) Spacing :-4x4 mtrs. Plant to Plant in row.

mmmm) Species :-Neem, Khejri, rohida and other local Species.


nnnn) Plantation Method :-The Proposed Plantation area will be protected by Ditch Fencing.

oooo) Soil and Moisture Conservation Works:- No

pppp) Protection:- Yes

qqqq) Proposed Monitoring Mechanism :-Monitoring will be done by DCF Sikar.

rrrr) Any other information:-No

  
Divisional Forests Officer  
उप वन सिकर  
.....सिकर (राज.)  
.....Forest Division



## Office of the Deputy Conservator of Forest, Sikar

DFL Scheme for 450 plants

Labour rate 259/-per day

1	Name of site	Forest block- Palsana				
2	Range -	Sikar				
3	Allotment Amount	33600 /-				
4	No. of Plants	450				
5	Area	1.00 ha.				
BSR ITEM	S.No.	Item of work	Unit	Quantity	Rate	Total
Advance work & Planting Year						
p /2.1.1	1	Survey of the area, demarcation & layout	Ha.	1	145.01	145.01
	2	Fencing of the area by digging Ditch fencing 1.2 m Deep, 1.5 m wide at top and 0.90 m wide at bottom including dressing (400 rmt x 1.44 cum)				
2.2.2.2		(1) Clayey loam soil	Cum	576	128.11	73791.36
	3	Purchase of 4-6 ft height shady plants	plants	495	90	44550.00
4.2.2	4	Digging of 450 pits size 0.45x(0.4+0.5/2)2	Pits	450	11.67	5251.50
6.7.4	5	Purchase of insecticide and fertilizers (450 plants)	Plants	450	0.55	247.50
6.3.3.1.4	6	Planting of 450 plants including refilling of pits(20x40 cm bags)	Pits	450	9.54	4293.00
p12/6.5.3.1/6.5.3.2	7	Watering (if sufficient rain are not there) & application of insecticide in 450 plants at the time of planting and 6 times for 6 KM 7.24+5.75=12.99 (1+5 km)	Plants	2700	12.99	35073.00
p12/6.4.2	8	Making of crescent shaped mounds thanwla having 45 CM radius around plant clayely loam soil	Plants	450	8.02	3609.00
	9	Weeding and hoeing of 450 plants twice and five hoeing including repairing of thavala				0
6.6.1.1	(a)	weeding and hoeing	Plants	900	4.02	3618.00
6.6.2	(b)	Hoeing	Plants	1350	2.85	3847.50
	10	Unforeseen expenditure	L S		L S	4574
		<b>Total</b>				<b>179000.00</b>
					Say	<b>179000.00</b>
Maintenance 1st Year						
	1	Purchase of 45 plants	Plants	45	70	3150.000
4.4.2	2	Redigging of 15 pits size 0.45x(0.4+0.5/2)2 cum	Plants	45	6.26	281.70
6.7.4	3	Purchase of insecticide and fertilizers (45 plants)	Plants	45	0.55	24.75
6.2.1.8 /6.2.2.8	4	Transportation of 45 plants from nursery to planting size	Plants	45	46.83	2107.35
5.2.5	5	Seeds sowing of trees species on mounds of Ditch/Dola fencing trenches, V-ditches, etc at a spacing of 30 cm	RMT	1350	0.73	985.50
6.6.4	6	Weeding of hoeing of seedlings on moounds of V-ditches/trenches/ditch fencing etc. (in a strip of 30 cm)	RMT	450	4.56	2052.00
6.3.3.1.4	7	Planting of 45 plants including refilling of pits	Plants	45	9.54	429.30
6.5.3.1/6.5.3.2	8	Watering (if sufficient rain are not there) & application of insecticide in 45 plants)6 KM 7.34+5.75=12.99 (1+5km)	Plants	45	12.99	584.55

6.5.3.1/6.5.3.2	9	Watering (if sufficient rain are not there) & application of insecticide in 450 plants at the time of planting and 5 times 6 KM 6.29+5.00=11.29 (1+5km)	Plants	2250	12.99	29227.50
6.4.2	10	Making of crescent shaped mounds thanwla having 45 CM radius around plant clayely loam soil	Plants	45	8.02	360.90
	11	Weeding and hoeing of 450 plants twice and repairing of thavala				0.00
6.6.1.1	(a)	weeding and hoeing 2 time	Plants	900	4.02	3618.00
6.6.2	(b)	Hoeing 3 time	Plants	1350	2.85	3847.50
	12	Watch & Ward	Day	52	259	13468.00
	13	Unforseen expenditure	L S		L S	0.00
		Total				<b>60137.05</b>
Maintenance 2nd Year						
6.5.3.1/6.5.3.2	1	Watering (if sufficient rain are not there) & application of insecticide in 450 plants at 4 times 1800 plants) 6 KM 6.29+5.00=11.29 (1+5 km)	Plants	1800	12.99	23382.00
	2	Weeding and hoeing of 450 plants twice and three hoeing including repairing of thavala				
6.6.1.1	(a)	Weeding and hoeing	Plants	450	4.02	1809.00
6.6.2	(b)	Hoeing	Plants	1350	2.85	3847.50
	3	Watch & Ward	Day	52	259	13468.00
	4	Unforseen expenditure	L S		L S	0.00
		Total				<b>42506.50</b>
Maintenance 3rd Year						
6.5.3.1/6.5.3.2	1	Watering (if sufficient rain are not there) & application of insecticide in 450 plants at 4 times (450 plants)	Plants	1800	12.99	23382.00
6.6.2	(a)	Hoeing	Plants	1800	2.85	5130.00
	3	Unforseen expenditure	L S		L S	100.23
		Total				<b>28612.23</b>
Maintenance 4th Year						
8.4.1	1	urning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	400	4.02	1608.00
8.4.1.4	(b)	Between 6-8 m height	per tree	0	8.21	0.00
	2	Unforseen expenditure	L S		L S	2000.00
		Total				<b>3608.00</b>
Maintenance 5th Year						
8.4.1	1	urning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	160	4.02	643.20
8.4.1.4	(b)	Between 6-8 m height	per tree	240	8.21	1970.40
	2	Unforseen expenditure	L S		L S	800.00
		Total				<b>3413.60</b>
Maintenance 6th Year						
8.4.1	1	urning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	160	4.02	643.20
8.4.1.4	(b)	Between 6-8 m height	per tree	240	8.21	1970.40
	2	Unforseen expenditure	L S		L S	800.00
		Total				<b>3413.60</b>
Maintenance 7th Year						



8.4.1	1	pruning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	0	4.02	0.00
8.4.1.4	(b)	Between 6-8 m height	per tree	300	8.21	2463.00
	2	Unforeseen expenditure			L S	500.00
		Total				<b>2963.00</b>
Maintenance 8th Year						
8.4.1	2	pruning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	0	4.02	0.00
8.4.1.4	(b)	Between 6-8 m height	per tree	300	8.21	2463.00
	3	Unforeseen expenditure			L S	500.00
		Total				<b>2963.00</b>
Maintenance 9th Year						
8.4.1	2	pruning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	0	4.02	0.00
8.4.1.4	(b)	Between 6-8 m height	per tree	300	8.21	2463.00
	3	Unforeseen expenditure			L S	500.00
		Total				<b>2963.00</b>
Maintenance 10th Year						
8.4.1	1	pruning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	0	4.02	0.00
8.4.1.4	(b)	Between 6-8 m height	per tree	200	8.21	1642.00
	2	Unforeseen expenditure			L S	500.00
		Total				<b>2142.00</b>
Maintenance 11th Year						
8.4.1	1	pruning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	0	4.02	0.00
8.4.1.4	(b)	Between 6-8 m height	per tree	200	8.21	1642.00
	2	Unforeseen expenditure			L S	500.00
		Total				<b>2142.00</b>
Maintenance 12th Year						
8.4.1	1	pruning /Branch cutting (cutti'ng of branches in lower 1/3rd of the plant)				
8.4.1.3	(a)	Between 4-6 m height	per tree	0	4.02	0.00
8.4.1.4	(b)	Between 6-8 m height	per tree	200	8.21	1642.00
	2	Unforeseen expenditure			L S	494.00
		Total				<b>2136.00</b>

Rates are as per approved Department BSR

Year wise breakup	Amount
Advance work & Planting Year	<b>179000.00</b>
Maintenance 1st Year	<b>60137.05</b>
Maintenance 2nd Year	<b>42506.50</b>
Maintenance 3rd Year	<b>28612.23</b>
Maintenance 4th Year	<b>3608.00</b>
Maintenance 5th Year	3413.60
Maintenance 6th Year	3413.60
Maintenance 7th Year	2963.00
Maintenance 8th Year	2963.00
Maintenance 9th Year	2963.00
Maintenance 10th Year	2142.00
Maintenance 11th Year	2142.00

Maintenance 12th Year	2136.00
Grand Total	<b>335999.98</b>
Say	<b>336000</b>

  
Range forest officer  
Sikar

  
Assistant Accounts Officer  
Sikar

Technically Checked  
  
Asst. Conservator of Forest  
Sikar

Sanctioned  
  
Deputy Conservator of Forest  
Sikar