

Office of The Deputy Conservator of Forest, Jhunjhunu (Rajasthan)

Full Title of the Project: Construction of 765KV D/C Khetri-Jhatikara Transmission line under transmission System Associated with LTA Applications for Rajasthan Solar Energy Zone, Part-C.

Proposal No: FP/RJ/TRANS/45462/2020

Date of Proposal: 20.05.2020

CHECK LIST SERIAL NUMBER:18

"CA SCHEME FOR DFL"

Compensatory Afforestation Scheme on Base: As per Prescribed Approved Model 2019 by GOR.

Details scheme (on DFL) for Compensatory Afforestation to be carried out in lieu of 2.2401 Ha. Of forest area to be diverted: Construction of 765KV D/C Khetri-Jhatikara Transmission line Under Transmission System Associated with LTA Applications for Rajasthan Solar Energy Zone, Part-C.

1. Details of degraded forest land/Non-forest land:-

District __Jhunjhunu__ Village-Pratibha Nagar (Gadarata), Tehsil: -Khetri, Name of Forest Division DCF Jhunjhunu__Range -Khetri, Forest Block-Khetri-48 A/Compartment -01/Area to be afforested 4.4802 Hectare.

2.Description of Area: -

- I. Whether the site selected for Compensatory Afforestation is a land bank or not: NA
- II. If the CA Site is other than land bank, reasons be given: NA
- 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: NA
- V. Topography:
 - a) Hilly/Undulating/Plain: NA
 - b) Slope: NA
- VI. Whether the area is bearing any root stock of vegetation: NA

3. Plantation Model: -

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


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उप वन संरक्षक,
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4. Schedule Plantation Programme: -

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

Year	Rate Per Hectare	Degraded Forest Land Area (In Hectare)	Amount (In Rupees)
0 year (Advance action)	38499	4.4802	172483.22
1st year ((Planning year) Year-1)	35500	4.4802	159047.1
2nd Year Maintenance (Year-2)	11179	4.4802	50084.15
2nd Year Maintenance (Year-3)	5165	4.4802	23140.23
Subsequent Maintenance (Year-4)	5165	4.4802	23140.23
Subsequent Maintenance (Year-5)	5165	4.4802	23140.23
Subsequent Maintenance (Year-6)	5165	4.4802	23140.23
Subsequent Maintenance (Year-7)	5165	4.4802	23140.23
Subsequent Maintenance (Year-8)	5165	4.4802	23140.23
Subsequent Maintenance (Year-9)	5165	4.4802	23140.23
Subsequent Maintenance (Year-10)	5165	4.4802	23140.23
Subsequent Maintenance (Year-11)	5165	4.4802	23140.23
Subsequent Maintenance (Year-12)	5165	4.4802	23140.23
Total Amount for DFL@136830/-Ha. CA Scheme on base: As Per Prescribed Approved Model 2019 by GOR. (Approved Model Enclosed)			613026/- Round off Amount as per CA Model (DFL)

5. Technical Details: -

Technical details of Compensatory Afforestation Scheme are as follows: -

- General Details: CA Scheme is prepared for Degraded Forest land (DFL).
- Spacing: 3*4 Meter
- Species: Acacia Nilotica, Rongh, Churel, Kumtha, Ber, and Neem.
- Plantation Method: Manual/Machinery
- Soil and Moisture Conservation Works: Yes
- Protection (Fencing, Watchman, People's Participation etc): -Fencing & Watch man.
- Proposed Monitoring Mechanism *Ranger, Forester, & forest guard will deputed for supervision.
- Any other information: - Nill

Place: Jhunjhunu

Date: -25.08.2020

Name: Rajendra Kumar Hudda

(Signature)

Designation: Deputy Conservator of forest,

Jhunjhunu

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MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION ON DEGRADED FOREST LAND

Unit
PER HECTARE
LABOUR RATE
COST ESTIMATE

10 Ha
60000/ha
Rs. 2350000
Rs. 100/ha

0 YEAR (ADVANCE ACTION)

S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest management activities	544/ha	497	50	547
2	Survey of area, layout of contour trenches, burrow pits and making of segments / plots	430/ha	391	50	441
3	Fencing by stone wall and or by ditch			0	
	a) Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 30 m/ha)	213 / rmt	1980	0	1980
	b) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha)	232 / rmt	1980	0	1980
4	Cost of raising 770 seedlings	3.71 / plant	1874	1105	2979
5	Digging up 300 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site	26.78 / rmt	8034	0	8034
6	Digging of 300 pits size 0.45x(0.4+0.5/2)2 cum	16.66 / pit	4998	0	4998
7	Cost of collection and purchase of grass and other seeds of trees and shrubs	Prorata	0	100	100
8	Treatment of Nallas by constructing series of Checkdams of dry random rubble / earthen / brushwood	Prorata	621	0	621
9	Construction of Thatched cattle guard hut	Prorata	115	78	193
10	Purchase or construction of water storage tank	Prorata	67	48	115
11	Labour amenities	Prorata	78	86	164
12	Watch and ward for 4 months @ 15325/-	Prorata	1226	0	1226
13	Purchase of Tools and Plants		0	110	110
14	Construction of 50 mt. long contour dykes of 30X30 cm. cross section on upper slopes and sowing of suitable thorny shrub	28.84 / rmt.	1442	0	1442
15	Construction of the pillars of appropriate size for gate.	Prorata	68	97	165
16	Purchase of signboards & fixing at site	Prorata	27	92	119
17	Misc. and unforeseen expenses including POL for vehicles	Prorata	237	108	345
	TOTAL YEAR 0		32978	2021	34999
18					3500
19	Administrative charges 10%			TOTAL	38499

सुधीर जाधव (Sudhir Jadhav)
उप वन संरक्षक (Sub-Range Officer)
राजस्थान जंगल विभाग (Rajasthan Forest Dept.)
जयपुर (Jaipur)

राजेन्द्र कुमार हुड्डा (Rajendra Kumar Hooda)
उप वन संरक्षक (Sub-Range Officer)
झुंझुनू (Jhunjhunu)

प्रीया कान्जान (Priya Kanjan)
CCF (Plan)
उप वन संरक्षक (Sub-Range Officer)
राजस्थान जंगल विभाग (Rajasthan Forest Dept.)

**MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION
ON DEGRADED FOREST LAND**

UNIT 50 Ha
PERIMETER 500 m/ha
LABOUR RATE Rs. 513/00m
COST ESTIMATE in Rs./ha

0 YEAR (ADVANCE ACTION)

S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIALS	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest management activities	544/ ha	497	50	547
2	Survey of area, layout of contour trenches, burrow pits and making of segments / plots	438 / ha	391	50	441
3	Fencing by stone wall and or by ditch			0	
	a) Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 30 m/ha)	213 / rmt	1990	0	1990
	b) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha)	232 / rmt	696.3	0	696.3
4	Cost of raising 770 seedlings	3.71 / plant	1824	1105	2929
5	Digging up 300 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site	26.78 / rmt	8034	0	8034
6	Digging of 300 pits size 0.45x(0.4+0.5/2)2 cum	16.66 / pit	4998	0	4998
7	Cost of collection and purchase of grass and other seeds of trees and shrubs	Prorata	0	106	106
8	Treatment of Nallas by constructing series of Checkdams of dry random rubble / earthen / brushwood	Prorata	621	0	621
9	Construction of Thatched cattle guard hut	Prorata	115	78	193
10	Purchase or construction of water storage tank	Prorata	67	48	115
11	Labour amenities	Prorata	78	86	164
12	Watch and ward for 4 months @ 15325/-	Prorata	1226	0	1226
13	Purchase of Tools and Plants		0	110	110
14	Construction of 50 mt. long contour dykes of 30X30 cm. cross section on upper slopes and sowing of suitable thorny shrub	28.84 / rmt.	1442	0	1442
15	Construction of the pillars of appropriate size for gate.	Prorata	68	97	165
16	Purchase of signboards & fixing at site	Prorata	27	92	119
17	Misc. and unforeseen expenses including POL for vehicles	Prorata	237	108	345
	TOTAL YEAR 0		32978	2021	34999
18	Administrative charges 10%				3500
				TOTAL	38499

(Sudhir Jais) उप वन संरक्षक (अवकाश)
DCF (Plan)

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राजेन्द्र कुमार हुड्डा
उप वन संरक्षक,
झुंझुनू

(Iriya Kanjan)
CCF (Plan)
मुख्य वन संरक्षक (अवकाश)
राजस्थान जंगल

YEAR I (PLANTING YEAR)

1	Collection of datas regarding impact assesment and strengthening Joint Forest Management	Prorata	0	73	73
2	Maintenance of 770 seedling in nursery	2.09 / plant	1415	134	1549
3	Digging of 400 pits of size 0.45 (4*5/2)*2 Cum	16.60 / pit	6664	0	6664
4	In situ soil and moisture conservation measures like check dam, nadies, earthen bunds etc.	Prorata	2471	243	2664
5	Digging of 30cmX30 cm cross section trench along inner side of stone wall fencing and seed sowing (60 ml / ha)	11.77 per mt	688	19	707
6	Sowing/dibbling of seeds of grass /thorny trees species on the mounds of contour trench and ditch fencing etc. (370 m / ha)	0.50/m	195	13	208
7	Purchase of insecticide and Fertilizers	0.77/ plant	0	577	577
8	Sowing of pellats of grass/piece of seed mud cakes of grass seeds between row of pits by ploughing and furrowing	Prorata	482	0	482
9	Transportation of 700 plants from nursery to planting site	1.34 / plant	896	45	941
10	Planting of 700 seedlings including Refilling of pits	3.88 / plant	2716	0	2716
11	Watering (if sufficient rains are not there) & application of insecticide in 700 plants at the time of planting	3.00/ plant	2100	0	2100
12	Restoration of natural regeneration by making crescent shapad mounds on the lower slopes of seedling and sapling and making ring tranches around the natural trees / shrubs. (150 plants / ha)	3.88 / plant	582	0	582
13	Making of crescent shaped mounds below planted sapling after planting and dibbing of 3 seeds of thorny tree species. (700 plants / ha)	3.39 / plant	2373	0	2373
14	Weeding and hoeing of 700 plants in 2 time. Repairing of plants mound	3.38 / plant	4732	0	4732
15	Weeding on contour trenches and 'V' ditches and spacement / singling.	Prorata	500	0	500
16	Raising of 70 seedilings in nursery for casualty replacement in year-2 (10% of 700)	3.71 / seedling	166	101	267
17	Watch and ward for 12 months @ Rs. 15325/- month	prorata	3678	0	3678
18	Labour aminities and hut repair.	Prorata	308	49	357
19	Construction of approach road / inspection path	Prorata	362	0	362
20	Construction of gate and fixing of sign board	Prorata	482	80	562
21	Micellaneous and unforeseen expenditure.	Prorata	147	32	179
	TOTAL YEAR 1		30907	1365	32272
22	Administrative charges 10%			TOTAL	35500

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राजेन्द्र कुमार हुड्डा
उप वन ससक्षक,
झुझुनू

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(Priya Ranjan)
CCF (Plan)

(विजय रंजन)
मुख्य वन ससक्षक (आवकजमा)
जयपुर

जयपुर जंगल विभाग (प्रशासन)
Plan) मुख्य वन ससक्षक

FIRST YEAR MAINTENANCE (YEAR 2)

1	Collection of datas regarding impact assesment and strengthening Joint Forest Management	Prorata	0	73	73
2	Maintenance of 70 Seedling in nursery for casualty replacement in year-2	2 00 / plant	141	20	141
3	Repair of fencing	Prorata	213	0	213
4	Casualty replacement 70 plants including redigging of pits, transportation planting, watering and application of insecticides	10.92 / plant	779	39	768
5	Weeding and Hoeing in 700 plants in pits two times	3.38 / Plant	4732	0	4732
6	Watch and ward for 12 months @15325/-	prorata / ha	3678	0	3678
7	Misc. and unforeseen expences including (additional watering and forest protection measures etc.	prorata	321	238	559
	TOTAL YEAR 2		9794	369	10163
8	Administrative Charges 10%				1016
	TOTAL				11179
	SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)				
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Watch and ward for 12 months @ 15325/-	prorata	3678	0	3678
3	Misc. and unforeseen expenditure including (repairing of fencing / structures pruning etc.	prorata	656	289	945
	TOTAL YEAR 3.		4334	362	4696
4					470
5	Administrative charges 10%			Total	5165
	GRAND TOTAL				
			38499		
	0Year		35500		
	First Year		11179		
	Seccnd Year		5165		
	Third Year		5165		
	Fourth Year		5165		
	Fifth Year		5165		
	Sixth year		5165		
	Seventh year		5165		
	Eighth year		5165		
	Ninth Year		5165		
	Tenth Year		5165		
	Eleventh Year		5165		
	Twelth Year		136830		
	TOTAL		136830		
	Say		136830		

(Supply) वितरण अधिकारी
 DCF (Plant) संरक्षक (प्रशासन)
 प्रधान मुख्य वन संरक्षक
 ए. आर. ई. राज जयपुर
 संच न 19337

संरक्षक (प्रशासन)
 मुख्य वन संरक्षक,
 राजस्थान जयपुर

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