

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

Full Title of the Project : "Construction of Bikaner (PG) – Khetri S/S 765 kV D/C Transmission Line"

Proposal No: FP/RJ/TRANS/45697/2020

Date of Proposal: 03-06-2020

CHECK LIST SERIAL NUMBER: 18 "CA SCHEME FOR DFL"

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

Detail scheme (On DFL) for Compensatory Afforestation to be carried out in lieu of **9.5030Ha.** Of forest area to be diverted : "**Construction of Bikaner (PG) – Khetri S/S 765 kV D/C Transmission Line**"

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 **9.5030 Hectare.**

2. Description of Area

I) Whether the site selected or Compensatory Afforestation is a land bank or not : **NA**

II) If the CA site is other than the 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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राजेन्द्र कुमार हुड्डा
उप वन संरक्षक,
झुंझुनू

4. **Schedule o Plantation Programme:-**
Detail of year wise break up of requirements of funds is as under:-

Year	Rate Per Hectare	Degraded Forest Land Area (in Hectare)	Amount (In Rupees)
0 Year (Advance Action)	38499	9.503	365856
1st Year (Planting Year) Year -1)	35500	9.503	337357
2nd Year Maintenance (Year -2)	11179	9.503	106234
2nd Year Maintenance (Year -3)	5165	9.503	49083
Subsequent Maintenance (Year -4)	5165	9.503	49083
Subsequent Maintenance (Year -5)	5165	9.503	49083
Subsequent Maintenance (Year -6)	5165	9.503	49083
Subsequent Maintenance (Year -7)	5165	9.503	49083
Subsequent Maintenance (Year -8)	5165	9.503	49083
Subsequent Maintenance (Year -9)	5165	9.503	49083
Subsequent Maintenance (Year -10)	5165	9.503	49083
Subsequent Maintenance (Year -11)	5165	9.503	49083
Subsequent Maintenance (Year -12)	5165	9.503	49083
Total Amount for DFL @ 1,36,830/- Ha. C. A. Scheme on base : As per Prescribed Approved Model 2019 by GOR. (Approved Model Enclosed)			1300296/- Round off Amount as Per CA Modal (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, Watch man, People's Participation etc.): -Fencing & Watch man.
- proposed Monitoring Mechanism"- Ranger , Forester & Forest Guard will deputed for Supervision.
- Any other information:- Nil

Place : Jhunjhunu
Date : 07-09-2020

(Signature)

Rajendra Kumar Hudda
Deputy Conservator of Forest,
Jhunjhunu

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

UNIT : 50 Ha
PERIMETER: 60 M/Ha.
LABOUR RATE: Rs. 213/Day
COST ESTIMATE: in Rs./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	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	6390	0	6390
	b.) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	232 / rmt	6963	0	6963
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	196	196
8	Treatment of Nailas by constructing series of Checkdams of dry ramdom 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

उप वन संरक्षक (प्रशासन)
(Sudhir Jadhav) उप वन संरक्षक
DCF (Plan) राजस्थान, जयपुर
दिनांक: 19/03/20

राजेन्द्र कुमार
उप वन संरक्षक,
झुंझुनू

(Priya Ranjan)
CCF (Plan)
(प्रियंका रंजान)
उप वन संरक्षक (आयोजना)
राजस्थान, जयपुर

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	2.00 / plant	1415	134	1549
3	Digging of 400 pits of size 0.45 (4*5/2)*2 Cum	16.66 / pit	6664	0	6664
4	In situ soil and moisture conservation measures like check dam, nadies, earthen bunds etc.	Prorata	2421	243	2664
5	Digging of 30cmX30 cm cross section trench along inner side of stone wall fencing and seed sowing (60 mt./ ha.)	11.77 per rmt.	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.)	0.56/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 riatural 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 spacemnt / singling.	Prorata	500	0	500
16	Raising of 70 seedlings 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 aminties 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%				3227
				TOTAL	35500

राजस्थान सरकार (प्रशासन)
मुख्य वन संरक्षक
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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	121	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	729	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
4	TOTAL YEAR 3.		4334	362	4696
5	Administrative charges 10%				470
				Total	5165
	GRAND TOTAL				
	0Year				38499
	First Year				35500
	Second Year				11179
	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
	Twelfth Year				5165
	TOTAL				136830
	Say				136830

(Suchir Jain)
 वन संरक्षण अधिकारी
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