

Deputy Conservator of Forest, Chhatargarh (Rajasthan)

Full Title of the Project: Construction of 220 kV D/C Gajner -Chhatargarh Transmission Line.

File No. : FP/RJ/TRANS/37354/2018

Date of Proposal: 22/12/2018

CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that.....**17.6844**.....ha. Degraded Forest land bearing Survey No. /
Compartment No.....**05**.....of village.....**Gheghra**.....Tehsil.....**Chhatargarh**...
District.....**Bikaner**..... identified for Compensatory Afforestation (DFL) is suitable for
plantation from management point of view and is free and all sorts of encumbrances and
encroachments.

Place: Chhatargarh

Date: 05/11/2019

(Signature)

Name

Designation **अध. वन संरक्षक**.....
इ. गा. न. प. स्टेशन
छत्तरगढ़ (बीकानेर)

Official Seal.....

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"CA SCHEME FOR DFL"

Detail scheme (On DFL) for Compensatory Afforestation to be carried out in lieu of 8.8422 Ha. Of forest area to be diverted for Construction of 220 kV D/C Gajner -Chhatargarh Transmission Line.

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

District Bikaner Village Gheghra Tehsil: Chhatargarh

Name of Forest Division Chhatargarh Territorial Range Chhatargarh

Block/Compartment/Survey No. 05 Area to be afforested **17.6844**

Hectare.

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: Degraded Forest land is identified for Compensatory Afforestation as NFL is exempted for Transmission Line Projects.

III) In case of non forest area identified for CA, then what is the

Distance of CA site from the adjoining forest boundary: Nil

IV) Soil type: Sandy Loam and Clay Loam.

V) Topography:

(a) Hilly/Undulating/Plain: Plain

(b) Slope: Steep/Medium/Gentle: Gentle Slope

VI) Whether the area is bearing any root stock of vegetation: No

3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Year	Rate
0 Years (Advance Action)	680831.72
1st Year (Planting Year)	627796.20
2nd Year Maintenance (Year-2)	197693.91
2nd Year Maintenance (Year-3)	91339.92
Subsequent Maintenance (Year-4)	91339.92
Subsequent Maintenance (Year-5)	91339.92
Subsequent Maintenance (Year-6)	91339.92
Subsequent Maintenance (Year-7)	91339.92
Subsequent Maintenance (Year-8)	91339.92
Subsequent Maintenance (Year-9)	91339.92
Subsequent Maintenance (Year-10)	91339.92
Subsequent Maintenance (Year-11)	91339.92
Subsequent Maintenance (Year-12)	91339.92
Total Amount for DFL @ 1, 36,828/- ha. Say 1,36,830/-	24,19,721.04 / - Round off Amount as Per CA Modal (DFL) = 24, 19, 756/- Rupees Only

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 X 4 Meter
- Species: Acacia Nilotica, Acacia Tortilis and Azadirachta Indica and Prosopis cineraria.
- Plantation Method: Manual
- Soil and Moisture Conservation Works: - Yes (As Per Model)
- Protection (Fencing, Watch man, People's Participation etc.): - Fencing & Watch man
- Proposed Monitoring Mechanism: - One Guard will deputed for Supervision
- Any other information: - Nil

Place: Chhatargarh

Date: 05/11/2019

(Signature)

Name

Designation

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DETAILS OF AMOUNT FOR CA ON DFL

Construction of 220 kV D/C Gajner -Chhatargarh Transmission Line

Forest Diversion Proposal - FP/RJ/TRANS/37354/2018 (Applied Area- 8.8422 ha.)

CA SCHEME - DFL (Labour Rate : 213/- Rupees)					
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, lay out of contour trenches, burrowpits and making of segments/plots.	438/ha	391	50	441
3.	Fencing by stone wall and or by ditch.			0	
	a) Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/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 Nallas by construction series of checkdams of dry ramdom trubble/earthan/brushwood	Prorata	621	0	621
9.	Construction of Thatched cattle guard hut	Prorata	115	78	193
10.	Purchase of construction of water storage tank	Prorata	67	48	115
11.	Labour aminities	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 50mt. long contour dykes of 30x30cm. 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 of gate	Prorata	68	97	165
16.	Purchase of signboards and fixing at site	Prorata	27	92	119
17.	Misc. and unforeseen expenses including PIL for Vehicles	Prorata	237	108	345
	TOTAL YEAR 0		32978	2021	34999
18.	Administrative charges 10%				3500
				TOTAL	38499

YEAR 1 (PLANTING YEAR)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0	73	73
2.	Maintenance of 770 seeding 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 30cm x 30cm 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. (370m/ ha.)	0.56/m	195	13	208
7.	Purchase of insecticide and fertilizers.	0.77/plant	0	577	577
8.	Sowing of pellets of grass/pieces of	Prorata	482	0	482

	seed mud cakes of grass seeds between row of pits by ploughing and furrowing				
9.	Transportation of 700 plant from nursery to planting site.	1.34 / plant	896	45	941
10.	Planting of 700 seeding including Refilling of pits	3.88 / plant	2716	0	2716
11.	Watering (id 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 regenerations by making crescent shaped mounds on the lower slopes of seeding and sapling and making ring trenches around the natural trees/ shrubs (150 plant/ha)	3.88/ plant	582	0	582
13.	Making of crescent shaped mounds below planted sapling after planting and dibbing 3 seeds of thorny tree species (700 plants / ha)	3.39/ plant	2373	0	2373
14.	Weeding and hoeing of 700 plants in 2 times. 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 seedlings in nursery for casualty replacement year -2 (10% of 700)	3.71/ seeding	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.	Miscellaneous and unforeseen expenditure.	Prorata	147	32	179
	TOTAL YEAR 1		30907	1365	32272
22.	Administrative charges 10%				3227
	TOTAL				35500

First Year Maintenance (Year -2)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0	73	73
2.	Maintenance 70 seeding 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 dates regarding impact 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.	Administrative charges 10%				470
	TOTAL				5165

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Sr No.	Details of Work	Rate Per Hectare	Degraded Forest Land (DFL) Area (in Hectare)	Amount (In Rupees)
1	0Years(AdvanceAction)	38499	17.6844	680831.72
2	1st Year (Planting Year)	35500	17.6844	627796.20
3	2nd Year Maintenance (Year-2)	11179	17.6844	197693.91
4	2nd Year Maintenance (Year-3)	5165	17.6844	91339.92
5	Subsequent Maintenance (Year-4)	5165	17.6844	91339.92
6	Subsequent Maintenance (Year-5)	5165	17.6844	91339.92
7	Subsequent Maintenance (Year-6)	5165	17.6844	91339.92
8	Subsequent Maintenance (Year-7)	5165	17.6844	91339.92
9	Subsequent Maintenance (Year-8)	5165	17.6844	91339.92
10	Subsequent Maintenance (Year-9)	5165	17.6844	91339.92
11	Subsequent Maintenance (Year-10)	5165	17.6844	91339.92
12	Subsequent Maintenance (Year-11)	5165	17.6844	91339.92
13	Subsequent Maintenance (Year-12)	5165	17.6844	91339.92
Amount for CA (As per Approved Model)		1, 36,828/- Say 1, 36,830/- Per ha.	17.6844 ha.	24,19,721.04 / - Round off Amount as Per CA Modal (DFL) = 24, 19, 756/- Rupees Only

Place: Chhatargarh

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