

Deputy Conservator of Forest, IGNP, ST - II, Bikaner (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: 18

"CA SCHEME FOR DFL"

Detail scheme (On DFL) for Compensatory Afforestation to be carried out in lieu of 1.3322 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 Siyasar Punch Kosha Tehsil: Pugal

Name of Forest Division DCF. IGNP, ST - II, Bikaner Range I-682RD

Block/Compartment/Survey No. 79/80 Area to be afforested 2.6644 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)	102576.74
1st Year (Planting Year)	94586.20
2nd Year Maintenance (Year-2)	29785.33
2nd Year Maintenance (Year-3)	13761.63
Subsequent Maintenance (Year-4)	13761.63
Subsequent Maintenance (Year-5)	13761.63
Subsequent Maintenance (Year-6)	13761.63
Subsequent Maintenance (Year-7)	13761.63
Subsequent Maintenance (Year-8)	13761.63
Subsequent Maintenance (Year-9)	13761.63
Subsequent Maintenance (Year-10)	13761.63
Subsequent Maintenance (Year-11)	13761.63
Subsequent Maintenance (Year-12)	13761.63
Total Amount for DFL @ 1, 36,830/- ha. Say 1,36,830/-	3,64,564.52 / - Round off Amount as Per CA Modal (DFL) = 3, 64, 570/- 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: Bikaner

Date: 01/08/2019

(Signature)

Name

Designation

Official Seal.....

उपवन संरक्षक
इ. गां. न. प. स्टेज-II
बीकानेर

Deputy Conservator of Forest, IGNP, ST - II, Bikaner (Rajasthan)

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 seed mud cakes of grass seeds between row of pits by ploughing and furrowing	Prorata	482	0	482

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 fensing / structures pruning etc.	Prorata	656	289	945
	TOTAL YEAR 3		4334	362	4696
4.	Administrative charges 10%				470
	TOTAL				5165

CA SCHEME – DFL (Labour Rate : 213/- Rupees) Construction of 220 kV D/C Gajner -Chhatargarh Transmission Line Forest Diversion Proposal - FP/RJ/TRANS/37354/2018 (Applied Area- 8.8422 ha.)				
Sr No.	Details of Work	Rate Per Hectare	Degraded Forest Land (DFL) Area (in Hectare)	Amount (In Rupees)
1	0Years(AdvanceAction)	38499	2.6644	572849.72
2	1st Year (Planting Year)	35500	2.6644	528225.80
3	2nd Year Maintenance (Year-2)	11179	2.6644	166339.05
4	2nd Year Maintenance (Year-3)	5165	2.6644	76853.13
5	Subsequent Maintenance (Year-4)	5165	2.6644	76853.13
6	Subsequent Maintenance (Year-5)	5165	2.6644	76853.13
7	Subsequent Maintenance (Year-6)	5165	2.6644	76853.13
8	Subsequent Maintenance (Year-7)	5165	2.6644	76853.13
9	Subsequent Maintenance (Year-8)	5165	2.6644	76853.13
10	Subsequent Maintenance (Year-9)	5165	2.6644	76853.13
11	Subsequent Maintenance (Year-10)	5165	2.6644	76853.13
12	Subsequent Maintenance (Year-11)	5165	2.6644	76853.13
13	Subsequent Maintenance (Year-12)	5165	2.6644	76853.13
Amount for CA (As per Approved Model)		1, 36,828/- Say 1, 36,830/- Per ha.	2.6644 ha.	3,64,564.52 / - Round off Amount as Per CA Modal (DFL) = 3, 64, 570/- Rupees Only

Place: Bikaner

Date: 01/08/2019

(Signature)



Name

Designation **सहायक अभियन्ता**

Official Seal..... **इ.ग.न.प.,स्टेज-II**
बीकानेर

कार्यालय प्रधान मुख्य वन संरक्षक (H.O.F.F) राजस्थान, जयपुर

क्रमांक: एफ 36(9)93/वसु/प्रमुखसं/4323
शासन सचिव,
वन विभाग,
राजस्थान, जयपुर।

दिनांक: 4/11/2019

विषय:- क्षतिपूर्ति वृक्षारोपण हेतु वसूल की जाने वाली संशोधित दरों को स्वीकृत करने संबंधी।
संदर्भ:- राज्य सरकार की अधिसूचना दिनांक 07.06.2018

महोदय,

उपरोक्त विषयान्तर्गत संदर्भित पत्रों द्वारा क्षतिपूर्ति वृक्षारोपण दण्डात्मक वृक्षारोपण, सेफटीजोन क्षेत्र के डेड गुणा क्षेत्रफल को बराबर जन क्षेत्र में किये जाने वाले क्षतिपूर्ति वृक्षारोपण एवं सेफटीजोन की फेंसिंग एवं पुनरोत्पादन हेतु उक्त गिनानुसार जय की गई थी:-

1.	गैर वन भूमि पर क्षतिपूर्ति वृक्षारोपण हेतु	155000 रु. (एक लाख पचास हजार मात्र) प्रति हेक्टर
2.	परिभाषित वनभूमि पर क्षतिपूर्ति वृक्षारोपण हेतु	129000 रु. (एक लाख उन्नीस हजार मात्र) प्रति हेक्टर
3.	सेफटीजोन की बाड़बन्दी	
	1. बाहरी बाड़बन्दी (Outer Fencing)	28500 रु. (छब्बीस हजार पांच सौ मात्र) प्रति 100 रनिंग मीटर
	2. भीतरी बाड़बन्दी (Inner Fencing)	23500 रु. (तेईस हजार पांच सौ मात्र) प्रति 100 रनिंग मीटर
4.	सेफटीजोन क्षेत्र का पुनरोत्पादन	59000 रु. (उनसठ हजार मात्र) प्रति हेक्टर
5.	पारिक्षण लाईन के नीचे बौने एवं औषधिय पौधों का वृक्षारोपण	530000 रु. (पांच लाख तीस हजार मात्र) प्रति हेक्टर

परन्तु राज्य सरकार द्वारा श्रमिक दर 201/- रुपये से बढ़ाकर 213/- रुपये प्रतिदिन कर दी गई है। जो दिनांक 01.01.2018 से प्रभावी है।

उक्त अधिसूचना के अनुसार अति. प्रधान मुख्य वन संरक्षक (विकास) राजस्थान, जयपुर के यू.ओ. नोट क्रमांक एफ. 3(13)प्रमुखसं/डी/नॉडल/तक./2017-18/1169, दिनांक 11.12.2018 द्वारा स्वीकृत लागत अनुभाग राज्य स्तरीय मॉडल कमेटी की अनुशंसा पर प्राप्त होने उपरांत संलग्न कर भिजवाये गये है। (प्रति संलग्न) अतः राज्य स्तरीय मॉडल कमेटी की अनुशंसा अनुसार निम्न राशि आवेदककर्ता विभाग/एजेंसी से लिखा जाना प्रस्तावित है। उक्त मॉडल अनुमोदित करने का श्रम करावे।

1.	गैर वन भूमि पर क्षतिपूर्ति वृक्षारोपण हेतु	184100 रु. (एक लाख चौंसठ हजार एक सौ मात्र) प्रति हेक्टर
2.	परिभाषित वनभूमि पर क्षतिपूर्ति वृक्षारोपण हेतु	138830 रु. (एक लाख छत्तीस हजार आठ सौ तीस मात्र) प्रति हेक्टर
3.	सेफटीजोन की बाड़बन्दी	
	1. बाहरी बाड़बन्दी (Outer Fencing)	28053 रु. (अठाईस हजार तरेपन मात्र) प्रति 100 रनिंग मीटर
	2. भीतरी बाड़बन्दी (Inner Fencing)	24957 रु. (चौबीस हजार नौ सौ सत्तावन मात्र) प्रति 100 रनिंग मीटर
4.	सेफटीजोन क्षेत्र का पुनरोत्पादन	62517 रु. (बासठ हजार पांच सौ सतरह मात्र) प्रति हेक्टर
5.	पारिक्षण लाईन के नीचे बौने एवं औषधिय पौधों का वृक्षारोपण	583444 रु. (पांच लाख तरेसठ हजार चार सौ चंवालीस मात्र) प्रति हेक्टर

भवदीय,
(सी.एस. मल्हासाणी)
प्रधान मुख्य वन संरक्षक, (व.),
राजस्थान, जयपुर

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विषय क्षतिपूर्ति वृक्षारोपण के नये गोंडल के संवध में ।

उपरोक्त विषयान्तर्गत निवेदन है कि दिनांक 31-10-18 को गोंडल कमेटी की बैठक में लिये गये निर्णयानुसार श्रमिक दर 213/रुपये प्रति दिन के आधार पर प्राप्त हुए क्षतिपूर्ति वृक्षारोपण गोंडल में सामग्री घटक में अक्टूबर, 2018 के थोक मूल्य सूचकांक अनुसार वृद्धि कर प्रधान मुख्य वन संरक्षक, (होफ) राजस्थान, जयपुर के अनुमोदन उपरान्त निम्नानुसार संलग्न कर अग्रिम आवश्यक कार्यवाही हेतु प्रेषित किये जा रहे हैं ।

- 1-आवृत्ति गैर वनभूमि क्षतिपूर्ति वृक्षारोपण ।
 - 2-परिनामित वन भूमि पर क्षतिपूर्ति वृक्षारोपण ।
 - 3-सैफ्टीजोन का पुनरोत्पादन ।
 - 4-उच्च वोल्टेज विद्युत संचरण लाईनों के साथ बौने / औषधीय प्रजाति के पौधों के रोपण हेतु ।
- उपरोक्तानुसार ।


मुख्य वन संरक्षक(आयोजना)
राजस्थान, जयपुर ।

अति० प्रधान मुख्य वन संरक्षक
प्रोटेक्शन एवं नॉडल अधिकारी (एफ.सी.ए.)
राजस्थान, जयपुर ।

क्रमांक:-एफ 3 (13)प्रमुखसं/ट्री/गोंडल/तक./2017-18/1169

दिनांक: 11-12-18

MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION ON DEGRADED FOREST LAND

UNIT :
PERIMETER:
LABOUR RATE:
COST ESTIMATE:

50 Ha
60 M/Ha
Rs. 213/Day
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
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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 / mt	6990	0	6390
	b) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha)	232 / mt	6963	0	6963
4	Cost of raising 770 seedlings	3.71 / plant	1824	1105	2929
5	Digging up 300 mt Staggered Contour trenches 45x45cm cross section on middle slopes and V-ditch as per site	26.78 / mt	8034	0	8034
6	Digging of 300 pits size: 0.45x(0.4+0.5/2) cum	16.66 / pit	4998	0	4998
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10	Purchase or construction of water storage tank.	Prorata	67	48	115
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13	Purchase of Tools and Plants		0	110	110
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15	Construction of the pillars of appropriate size for gate.	Prorata	68	97	165
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	TOTAL YEAR 0		32978	2021	34999
18	Administrative charges 10%				3500
	TOTAL				38499

सहायक (प्रशासन)
(Sudhir Jaiswal) वन सहायक
DCF (Plan) 10/11/2020

(Priya Kanjan)
CCF (Plan)
(10/11/2020)
मुख्य वन सहायक (प्रशासन)
संयोजक सहायक

YEAR I (PLANTING YEAR)				
1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Prorata	0	73
2	Maintenance of 770 seedling in nursery	2.00 / plant	1415	134
3	Digging of 400 pits of size 0.45 (4+5/2)*2 Cum	16.65 / pit	6664	0
4	In situ soil and moisture conservation measures like check dam, nadies, earthen bunds etc.	Prorata	2421	243
5	Digging of 30cmX30 cm cross section trench along inner side of stone wall fencing and seed sowing (60 mt / ha)	11.77 per rml.	688	19
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
7	Purchase of insecticide and Fertilizers.	0.77/ plant	0	577
8	Sowing of pellets of grass/piece of seed hard cakes of grass seeds between row of pits by ploughing and furrowing	Prorata	482	0
9	Transportation of 700 plants from nursery to planting site	1.34 / plant	896	49
10	Planting of 700 seedlings including Refilling of pits	3.88 / plant	2716	0
11	Watering (if sufficient rains are not there) & application of insecticide in 700 plants at the time of planting.	3.00/ plant	2100	0
12	Restoration of natural regeneration by making crescent shaped mounds on the lower slopes of seedling and sapling and making ring trenches around the natural trees / shrubs. (150 plants / ha)	3.88 / plant	582	0
13	Making of crescent shaped mounds below planted sapling after planting and dibbling of 3 seeds of thorny tree species. (700 plants / ha)	3.39 / plant	2373	0
14	Weeding and hoeing of 700 plants in 2 time. Repairing of plants mound	3.38 / plant	4732	0
15	Weeding on contour trenches and 'V' ditches and spacing / singling.	Prorata	500	0
16	Raising of 70 seedlings in nursery for casualty replacement in year-2 (10% of 700)	3.71 / seedling	166	101
17	Watch and ward for 12 months @ Rs. 15325/- month	prorata	3678	0
18	Labour amenities and hut repair.	Prorata	308	49
19	Construction of approach road / inspection path	Prorata	362	0
20	Construction of gate and fixing of sign board	Prorata	482	80
21	Miscellaneous and unforeseen expenditure	Prorata	147	32
TOTAL YEAR 1			30907	1385
22	Administrative charges 10%			3227
			TOTAL	35500

Joint Forest Management (प्रशासन)
 राजस्थान सरकार
 जयपुर

(Priya Ranjan)
 CCF (Plan)
 (प्रिया रंजन)
 मुख्य दल सहायक (आयोजना)
 राजस्थान सरकार

