

Deputy Conservator of Forest, Dausa(Rajasthan)

Full Title of the Project: "Laying of Underground Optical Fiber Cable Along the NH-21(old NH11) Road Within the Existing Row from Mahuwa to Via Halena -Bharatpur.

File No. : FP/RJ/OFC/47243/2020

Date of Proposal: 23.07.2020

CHECK LIST SERIAL NUMBER: 18

"SCHEME FOR 0.7254 Ha."

Detail scheme for (100 Plants) for Compensatory Afforestation to be carried out in lieu of 0.3627 ha Ha. Of forest area to be diverted for **"Laying of Underground Optical Fiber Cable Along the NH-21(old NH11) Road Within the Existing Row from Mahuwa to Via Halena -Bharatpur.** Forest Diversion Proposal under Forest (Conservation) Act, 1980.

9. Details of degraded forest land :-

District Dausa Village Kondla Tehsil: Mahwa Name of Forest Division

DCF—Dausa-----Range---Dausa

Block/Compartment/Survey No. Kundera ond dungri 18 main Area to be afforested **0.7254 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 forest land proposed for diversion is less than One Hectare.

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

V) Topography:

(a) Hilly/Undulating/Plain: Undulating

(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 wise breakup	Amount
o year	32745.00
Planting year	30266.50
Maintenance 1st year	9540.45
Maintenance 2nd year	4380.02
Maintenance 3rd year	4380.02
Maintenance 4th year	4380.02
Maintenance 5th year	4380.02
Maintenance 6th year	4380.02
Maintenance 7th year	4380.02
Maintenance 8th year	4380.02
Maintenance 9th year	4380.02
Maintenance 10th year	4380.02
Maintenance 11th year	4380.02
Total CA Amount as per 259 Rs. Labour Rates	116352.15
Year wise breakup	Amount

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: Scheme is prepared for 0.7254 ha. on Degraded Forest Land (DFL).
- Spacing: 3X4 Meter
- Species: Acacia Nilotica, Acacia leucophloea, Acacia catechu, acacia senegal and Azadirachta Indica and Prosopis cineraria, various shady species.
- Plantation Method: Manual
- Soil and Moisture Conservation Works: - Yes
- Protection (Fencing, Watch man, People's Participation etc.): - Ditch fencing
- Proposed Monitoring Mechanism: - One Guard will be deputed for Supervision
- Any other information: - Nil

Place: Dausa

Date: 24.01.2023


(V Ketan Kumar)
Dy. Conservator of Forests
Dausa

OFFICE OF DEPUTY CONSERVATOR OF FOREST DAUSA
DETAILED ESTIMATE CA DFL

NAME OF SITE - CA-DFL KONDLA	GPS CO- 26°57'06"N, 76°58'25"E
NAME OF RANGE - MAHWA	NAME OF DIVISION - DAUSA
NAME OF G. P. - KHANPUR	NAME OF TEHSIL -MAHWA

TOTAL AREA - 0.7254 Ha.

TOTAL AMOUNT-116352.00

S.No.	BSR ITEM NO	Name of Item	Qty.	Unit	Rate	Amount
1	2.1.1	Surey of area, demarcation and lay out	0.7254	HA	145.01	105.19
2	4.1	Lay out of excavation of pits	218	pits	0.98	213.64
3	2.2.2	Digging of ditch fencing 1.20m deep 1.5m wide at top and 0.90m wide at bottom includes dresing (volume Per running Meter = 1.44)		Cum		
	2.2.2.2	In clay Loam soil 132 rmt	190.08	Cum	128.11	24351.15
4		Cost of raising 559 seedling	559	plants	4.24	2370.16
5		Digging of new pits of size 0.45x0.45x0.45 m				
	4.2.2	clayey loam soil	218		11.67	2544.06
6		Misc. and unforeseen expenses				183.99
		TOTAL				29768.19
		Administrative charges 10%				2976.81
GRAND TOTAL						32745.00

planting year(YEAR-I)

1	6.3.3.1. 1	Planting in pit size- 0.45x[0.4+0.5/2]m including local transportation of plants, submerging the polypot in insecticied treated water, cutting and removing the polythene bag, refilling of pit after removing stone and pressing the soil around plants plane area 100 plants	508	plants	6.69	3398.52
2		making crescent shaped thanvla				
	6.4.1	sandy loam soil	290		4.98	1444.20
	6.4.2	clayey loam soil	218		8.02	1748.36
3		watering of plants by camer cart / tractor tanker[minimum 15 liter of water and including cost of transportation [at the time of planting + 7 timesx 508 plants watering]				
	6.5.3.2	up to 5 kms	1016	plants	11.84	12029.44
4		weeding and hoeing of plants in plantation [in 45 cm radius and 15 cm depth] two times				
	6.6.1.1	In sandy loam soil 508 plants x 2 time	1016	per plant	4.02	4084.32
5	6.2.1.5	Transportation of 508 plants from nursery to plantation site	508	plants	2.07	1051.56

6		Digging of 290 pits of size 0.45X0.45X0.45				
	4.2.1	in sandy loam soil	290	pits	9.54	2766.60
7		Purchase of fertilizers and insecticide				992.00
				total		27515.00
Administrative charges 10%						2751.50
GRAND TOTAL						30266.50

Maintenance 1st year(YAER-2)

1	6.3.3.1.1	planting in pit size- 0.45x[0.4+0.5/2] m including local transportation of plants, submerging the polypot in insecticied treated water, cutting and removing the polythene bag, refilling of pit after removing stone and pressing the soil around plants plane area 1990 plants	51	plants	6.69	341.19
2		making crescent shaped thanvla				
	6.4.2	clayey loam soil	51	thanwala	8.02	409.02
3	4.4.2	Redidding of pits for casualty replacement in clayey loam soil	51	pits	6.26	319.26
4	6.2.1.5	transportation of plants from nursery to plantation site	51	plants	2.07	105.57
5	6.6.1	weeding and hoeing of plants in plantation [in 45 cm radius and 15 cm depth] two times				
	6..6.1.1	in clayey soil	1016	per plants	4.02	4084.32
6	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\}=1.0125\text{cum}/\text{rmt} \times 50$	50.62	cum	64.05	3242.21
7		Misc. and unforeseen expenses				171.57
				Total		8673.14
Administrative charges 10%						867.31
					Say Amt.	9540.45

Maintenance 2nd year(YEAR-3)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\}=1.0125\text{cum}/\text{rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
GRAND TOTAL						4380

Maintenance 3rd year (YEAR-4)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
				GRAND TOTAL		4380

Maintance 4th year (YEAR-5)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
				GRAND TOTAL		4380

Maintance 5th year (YEAR-6)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
				GRAND TOTAL		4380

Maintance 6th year (YEAR-7)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
				GRAND TOTAL		4380

Maintance 7th year (YEAR-8)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
			GRAND TOTAL			4380

Maintenance 8th year (YEAR-9)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
			GRAND TOTAL			4380

Maintenance 9th year (YEAR-10)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
			GRAND TOTAL			4380

Maintenance 10th year (YEAR-11)

1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
			GRAND TOTAL			4380

Maintance 11th year (YEAR-12)						
1	6.6.2	Hoeing of plants after watering in 45 cm. radius and 15 cm. depth 508 plants x 2 time	1016	per plant	2.85	2895.60
2	2.2.2.8	Repair of dit fencing in clayey loam soil. Size- $\{(1.35+0.90)/2 \times 0.90\} = 1.0125 \text{ cum/rmt} \times 16.75$	16.9593	CUM	64.05	1086.24
				Total		3981.84
		Administrative charges 10%				398.18
				GRAND TOTAL		4380

Year wise breakup	Amount
o year	32745.00
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Maintenance 11th year	4380.02
Total CA Amount as per 259 Rs. Labour Rates	116352.15
Says	116352.00

Certificates :-

1. The Rates are based on BSR for Jaipur circle 2022.
2. The estimate is based on guidelines of prescribed model


Range Forest officer
Mahwa

Technical checked


Aproved

Calculation Checked

ACF DAUSA

DCF DAUSA

AAO-I


24/01/23