

Office of The Deputy Conservator of Forest, Jaipur(North)

Name of Project :- "Construction of Road Widening & Strengthening of Manoharpur to Itwa Bhopji Via Nawalpura Charanwas (MDR-187), Tehsil – Shahpura ,District -Jaipur (Rajasthan)"

Proposal No. :- FP/RJ/ROAD/35096/2018

Date of Proposal :- **4.09.2018**

CHECK LIST SERIAL NUMBER: 18 **"CA SCHEME FOR NFL"**

Detailed scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of **1.4445 Ha.** of forest area to be diverted for "Construction of Road Widening & Strengthening of Manoharpur to Itwa Bhopji Via Nawalpura Charanwas (MDR-187), Tehsil – Shahpura ,District -Jaipur (Rajasthan)"

2. Details of Non-forest land :-

District:- **Jaipur**, Village:- **BISHANGARH**, Tehsil: - **SHAHPURA** , Name of Forest Division:- **DCF Jaipur (North)**, Range: -**SHAHPURA**, Forest Block – **Adjoining to R.F. MANOHARPUR BISHANGARH /Compartment/Survey No. - , Area to be afforested is 1.4445 Hectare.**

2. Description of Area

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

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

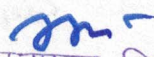
Distance of CA site from the adjoining forest boundary: **Proposed NFL land is adjoining to Reserved Forest Block MANOHARPUR BISHANGARH in village BISHANGARH Tehsil SHAHPURA District Jaipur**

IV) Soil type: **Hard soil boulder up to 10-30%**

V) Topography:

(a) Hilly/Undulating/Plain: **Undulating**

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


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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	Amount (In Rupees)
0Year (Advance Action)	145000.00
1stYear	185000.00
2nd Year	115000.00
3rd Year	90000.00
4 thYear	90000.00
5 thYear	90000.00
6 thYear	90000.00
7 thYear	90000.00
8 thYear	90000.00
9 thYear	90000.00
10 thYear	90000.00
11 thYear	90000.00
12 thYear	90000.00
C. A. Scheme as per site requirement and C.A. NFL Model.	13,45,000.00/-

5.

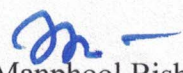
Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- q) General Details: CA Scheme is prepared for 1445 Plants on non Forest Land(NFL).
- r) Spacing: 3×3 Meter
- s) Species: Neem, Shisham, Deshi babool, papad, Ber etc.
- t) Plantation Method: Manual
- u) Soil and Moisture Conservation Works: As per Model
- v) Protection (Fencing, Watch man, People's Participation etc.): Ditch Fencing, Watch man etc.
- w) proposed Monitoring Mechanism- Monitoring will be done by Territorial DCF , Jaipur (North).
- x) Any other information:- Nil

Place : Jaipur

Date : 17/11/2022


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Deputy Conservator of Forests,
Jaipur (North)
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OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS JAIPUR NORTH**DETAILED ROADSIDE PLANTATION ESTIMATE****YEAR-1, Advance Action and Planting Year**

NAME OF SITE- "Construction of road widening and strengthening of Manoharpur to Itawa Bhopji via Nawalpura Charanwas(MDR-187), Tehsil- Shahpura, District- Jaipur (Raj.)"

PROPOSAL No.- FP/RJ/Road/35096/2018

NAME OF RANGE - Shahpura

NAME OF DIVISION - DCF Jaipur (N)

No. of Plants - 2320

FOREST BLOCK - Manoharpur-Bishangarh

NAME OF TEHSIL - Shahpura

TOTAL DFL AREA - 4.815 ha.

LABOUR RATE - Rs.259/Day

TOTAL AMOUNT- Rs 2870000.00(28.70 Lac Rs)

Model-NHAI based

YEAR-1, Advance Action and Planting Year

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Survey of area, demarcation and lay out(Toatal Length=1605X2=3210metre, width=15metres, Area=3210X15=48150 Square metre or 4.8150 Hectares	CCF Jaipur/2.1.1	Hectare	4.815	145.01	698.22
2	Pucca wall fencing of 4 feet height, 0.45 metre with, as model approved in forest department, Rajasthan, on one side, along road to protect, Forest land and Roadside plantation (Length=2X1605=3210 m)		Metre	0	2800	0.00
3	Transportation of RCC post upto 5 km	CCF Jaipur/2.2.5.2	Post	1400	24.75	34650.00
4	Fixing of RCC post in a pit in cement concrete with a mixture ratio 1:6:12(including pit digging of size 30cmX30cmX45cm. and curing)	CCF Jaipur/2.2.5.2.4	Post	1400	92.23	129122.00
5	Stretching of 3 strands of barbed wire and fixing weldmesh wire jaali- 10cm.X10cm size strands(L=3240X2X3=19440 metres or say 19500 metres)	CCF Jaipur/2.2.8.1	Metre	19500	5	97500.00

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6	Procurement of 5 feet height weldmeshsteel/GI jaali of size 10cmX10cm gauge 14 for 6480 metres long(Area=6480X1.50=9720 Sqm=7972 kg.)	LS	Kg	7972	100	797200.00
7	Procurement of RCC Posts of length 2.25 metres in height	LS	Post	1400	400	560000.00
8	Procurement of GI barbed wire for fencing	LS	Kg	2800	90	252000.00
9	Lay out of excavation of pits (first row 3mX3m spacing, second row 4.50mX4.50m and third row 6mX6m that is 1070, 715 and 535 number of plants in first, second and third row respectively with a total of 2320 plants)	CCF Jaipur/4.1	Pits	2320	0.98	2273.60
10	Digging of pits of size 0.60mX0.60mX0.60m	CCF Jaipur/4.2				
11	Hard soil 10 % boulders	CCF Jaipur/4.3.2	Pits	2320	35.87	83218.40
12	Procurement of 2552(2320+10%of 2320)Tall plants of atleast 6 feet tall	LS	Plant	2552	100	255200.00
13	Local transportation of plants on headload upto 1Km.	CCF Jaipur/6.2.1.6	plants	2320	4.98	11553.60
14	Treatment of pit soil with insecticide	CCF Jaipur 6.3.1	Plant	2320	0.55	1276.00
15	Planting of plant complete , pressing of soil etc	CCF Jaipur 6.3.3.3	Plant	2320	11.67	27074.40
16	Making thawala around plants stony hilly area	CCF Jaipur 6.4.3	Plant	2320	9.36	21715.20
17	Watering(Labour) of plants by tractor tanker, 10 waterings at least 15 litre of water in each plant	CCF Jaipur 6.5.3.1, 6.5.3.2	Plant	23200	9.54	221328.00
18	Two weeding and hoeing of plants around a plant with a depth of 15 cm	CCF 6.6.1.2	Plant	4640	5.3	24592.00

19	Hoeing of plants 10 times, with a depth of 15 cm around a plant after each watering	CCF Jaipur 6.6.2	Plant	23200	2.85	66120.00
20	Procurement of water(Material) from near by Tube wells =2320X15X10X1.1/3000=128 Tankers with each tanker of about 3000 litres and 10% extra water accounting for leakages /spillage etc		Tanker	128	350	44800.00
21	Protection from frost by encircling plant with Pula, including collection, carriage of pula	CCF Jaipur 6.7.6	Plant	2320	9.12	21158.40
22	Construction of Gate and fixing of sign board		L.S.			7000.00
23	Construction of two small water points in the forest area near the roadside plantation(each holding 3000 litres)		Plant	2	35000	70000.00
24	Watch and ward		month	12	6734	80808.00
25	Misc. and unforeseen expences in including running of vehicles froast protection, micro plan, etc.					60712.18
26	Total					2870000.00

ESTIMATE Year-2: Maintenance

NAME OF SITE- "Construction of road widening and strengthening of Manoharpur to Itawa Bhopji via Nawalpura Charanwas(MDR-187), Tehsil- Shahpura, District- Jaipur (Raj.)"

PROPOSAL No.- FP/RJ/Road/35096/2018	NAME OF RANGE - Shahpura
NAME OF DIVISION - DCF Jaipur (N)	No. of Plants - 2320
FOREST BLOCK - Manoharpur-Bishangarh	NAME OF TEHSIL - Shahpura
TOTAL DFL AREA - 4.815 ha.	LABOUR RATE - Rs.259/Day
TOTAL AMOUNT- Rs 750000.00(7.50 Lac Rs)	Model-NHAI based
YEAR-2, Maintenance	


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1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Model	Hectare	4.815	575	2768.63
2	Redigging of pits to make it of size 60cmX60cmX60cm in hard soil upto 10% boulders	CCF Jaipur/4.4.3	Pits	232	7.24	1679.68
3	Procurement of Tall plants of six feet height	LS	Plant	232	100	23200.00
4	Local transportation of plants on headload upto 1Km.	CCF Jaipur/6.2.1.6	plants	232	4.98	1155.36
5	Treatment of pit soil with insecticide	CCF Jaipur 6.3.1	Plant	232	0.55	127.60
6	Planting of plant complete , pressing of soil etc	CCF Jaipur 6.3.3.3	Plant	232	11.67	2707.44
7	Making thawala around plants stony hilly area	CCF Jaipur 6.4.3	Plant	232	9.36	2171.52
8	Watering of plants by tractor tanker, 16waterings	CCF Jaipur 6.5.3.1, 6.5.3.2	Plant	37120	9.54	354124.80
9	Two weeding and hoeing of plants around a plant with a depth of 15 cm	CCF 6.6.1.2	Plant	4640	5.3	24592.00
10	Hoeing of plants 16 times after each watering, with a depth of 15 cm around a plant	CCF Jaipur 6.6.2	Plant	37120	2.85	105792.00
11	Procurement of water(Material) from near by Tube wells =2320X15X16X1.1/3000=205 Tankers with each tanker of about 3000 litres and 10% extra water accounting for leakages /spillage etc		Tanker	205	350	71750.00
12	Pruning of plants height between 2-4 metres	CCF Jaipur 8.4.1.2	Plant	2320	3.04	7052.80
13	Protection from frost by encircling plant with Pula, including collection, carriage of pula	CCF Jaipur 6.7.6	Plant	2320	9.12	21158.40
14	Watch and ward		month	12	6734	80808.00

15	Misc. and unforeseen expences in including running of vehicles frost protection, micro plan, etc.					50911.77
16	Total					750000.00

ESTIMATE Year-3: Maintenance

NAME OF SITE- "Construction of road widening and strengthening of Manoharpur to Itawa Bhopji via Nawalpura Charanwas(MDR-187), Tehsil- Shahpura, District- Jaipur (Raj.)"

PROPOSAL No.- FP/RJ/Road/35096/2018	NAME OF RANGE - Shahpura
NAME OF DIVISION - DCF Jaipur (N)	No. of Plants - 2320
FOREST BLOCK - Manoharpur-Bishangarh	NAME OF TEHSIL - Shahpura
TOTAL DFL AREA - 4.815 ha.	LABOUR RATE - Rs.259/Day
TOTAL AMOUNT- Rs 575000.00(5.75 Lac Rs)	Model-NHAI based

Year-3: Maintenance

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Collection of data regarding impact	Model	Hectare	4.815	575	2768.63
2	Watering of plants by tractor	CCF Jaipur	Plant	27840	9.54	265593.60
3	Two weeding and hoeing of plants	CCF 6.6.1.2	Plant	4640	5.3	24592.00
4	Hoeing of plants 12 times after each watering, with a depth of 15 cm around a plant	CCF Jaipur 6.6.2	Plant	27840	2.85	79344.00
5	Procurement of water(Material) from near by Tube wells =2320X15X12X1.1/3000=154 Tankers with each tanker of about 3000 litres and 10% extra water accounting for leakages /spillage etc		Tanker	154	350	53900.00
6	Pruning of plants height between 2-4 metres	CCF Jaipur 8.4.1.2	Plant	2320	3.04	7052.80
7	Protection from frost by encircling plant with Pula, including collection, carriage of pula	CCF Jaipur 6.7.6	Plant	2320	9.12	21158.40
8	Watch and ward		month	12	6734	80808.00

9	Misc. and unforeseen expences in including running of vehicles froast protection, micro plan, etc.					39782.57
10	Total					575000.00

ESTIMATE Year-4: Maintenance

NAME OF SITE- "Construction of road widening and strengthening of Manoharpur to Itawa Bhopji via Nawalpura Charanwas(MDR-187), Tehsil- Shahpura, District- Jaipur (Raj.)"

PROPOSAL No.- FP/RJ/Road/35096/2018	NAME OF RANGE - Shahpura
NAME OF DIVISION - DCF Jaipur (N)	No. of Plants - 2320
FOREST BLOCK - Manoharpur-Bishangarh	NAME OF TEHSIL - Shahpura
TOTAL DFL AREA - 4.815 ha.	LABOUR RATE - Rs.259/Day
TOTAL AMOUNT- Rs 450000.00(4.50 Lac Rs)	Model-NHAI based

Year-4: Maintenance

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Collection of data regarding impact	Model	Hectare	4.815	575	2768.63
2	Watering of plants by tractor	CCF Jaipur	Plant	18560	9.54	177062.40
3	Two weeding and hoeing of plants around a plant with a depth of 15 cm	CCF 6.6.1.2	Plant	4640	5.3	24592.00
4	Hoeing of plants 8 times after each watering, with a depth of 15 cm around a plant	CCF Jaipur 6.6.2	Plant	18560	2.85	52896.00
5	Procuremet of water(Material) from near by Tube wells =2320X15X8X1.1/3000=103 Tankers with each tanker of about 3000 litres and 10% extra water accounting for leakages /spillage etc		Tanker	103	350	36050.00
6	Pruning of plants height between 2-4 metres	CCF Jaipur 8.4.1.2	Plant	2320	3.04	7052.80
7	Protection from frost by encircling plant with Pula, including collection, carriage of pula	CCF Jaipur 6.7.6	Plant	2320	9.12	21158.40
8	Watch and ward		month	12	6734	80808.00

9	Misc. and unforeseen expences in including running of vehicles froast protection, micro plan, etc.					47611.77
10	Total					450000.00

OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS JAIPUR NORTH
ESTIMATE Year-5: Maintenance

NAME OF SITE- "Construction of road widening and strengthening of Manoharpur to Itawa Bhopji via Nawalpura Charanwas(MDR-187), Tehsil- Shahpura, District- Jaipur (Raj.)"

PROPOSAL No.- FP/RJ/Road/35096/2018	NAME OF RANGE - Shahpura
NAME OF DIVISION - DCF Jaipur (N)	No. of Plants - 2320
FOREST BLOCK - Manoharpur-Bishangarh	NAME OF TEHSIL - Shahpura
TOTAL DFL AREA - 4.815 ha.	LABOUR RATE - Rs.259/Day
TOTAL AMOUNT- Rs 275000.00(2.75 Lac Rs)	Model-NHAI based

Year-5: Maintenance

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Model	Hectare	4.815	575	2768.63
2	Watering of plants by tractor tanker, 4waterings	CCF Jaipur 6.5.3.1, 6.5.3.2	Plant	9280	9.54	88531.20
3	Two weeding and hoeing of plants around a plant with a depth of 15 cm	CCF 6.6.1.2	Plant	4640	5.3	24592.00
4	Hoeing of plants 4 times after each watering, with a depth of 15 cm around a plant	CCF Jaipur 6.6.2	Plant	9280	2.85	26448.00
5	Procurement of water(Material) from near by Tube wells =2320X15X4X1.1/3000=52 Tankers with each tanker of about 3000 litres and 10% extra water accounting for leakages /spillage etc		Tanker	52	350	18200.00
6	Pruning of plants height between 2-4 metres	CCF Jaipur 8.4.1.2	Plant	2320	3.04	7052.80
7	Watch and ward		month	12	6734	80808.00


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8	Misc. and unforeseen expences in including running of vehicles froast protection, micro plan, etc.					26599.37
9	Total					275000.00

**OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS JAIPUR NORTH
ESTIMATE**

NAME OF SITE- "Construction of road widening and strengthening of Manoharpur to Itawa Bhopji via Nawalpura Charanwas(MDR-187), Tehsil- Shahpura, District- Jaipur (Raj.)"						
PROPOSAL No.- FP/RJ/Road/35096/2018					NAME OF RANGE - Shahpura	
NAME OF DIVISION - DCF Jaipur (N)					No. of Plants - 2320	
FOREST BLOCK - Manoharpur-Bishangarh					NAME OF TEHSIL - Shahpura	
TOTAL DFL AREA - 4.815 ha.					LABOUR RATE - Rs.259/Day	
TOTAL AMOUNT- Rs 4920000.00(49.20 Lac Rs)					Model-NHAI based	
S. No.	WORK YEAR					Amount(Rs.)
1	First Year					2870000.00
2	Second Year					750000.00
3	Third Year					575000.00
4	Fourth Year					450000.00
5	Fifth Year					275000.00
	Grand Total					4920000.00

Certificates :-

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

Calculation Checked


AAO DCF Jaipur(North)

Technically Checked


ACF Jaipur North

Estimate Sanctioned


DCF Jaipur (North)

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