

Deputy Conservator of Forest, Alwar (Rajasthan)

Full title of the Project: "Construction of Toll Plaza Between Km 115.00 to Km 116.00 at Delhi -Jaipur Section of NH-8".

Proposal No. : FP/RJ/ROAD/41266/2019

Date of Proposal :30-07-2019

Diversion Area :2.852 Ha.

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

Detail scheme for Compensatory Afforestation to be carried out in lieu of 2.852 of forest area to be diverted for "**Construction of Toll Plaza Between Km 115.00 to Km 116.00 at Delhi -Jaipur Section of NH-8**"

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

District__**Alwar**__Village - **Hameerpur**,Tehsil: **Bansur**,Name of Forest Division-
Alwar__Range-**Behrod** forest Block/Compartment/Survey No **01** Area to be afforested **5.704 Hectare**.

2.Description of Area

I) Whether the site selected or Compensatory Afforestation is a land bank or not : _____ N/A _____

II) If the CA site is other than the land bank, reasons be given: - N/A

III) In case of non forest area identified for CA, then what is the Distance of CA site from the adjoining forest boundary:- N/A

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 componentwise physical and financial break up to be enclosed.

4. Schedule o Plantation Programmer:-

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

Year	Rate Per ha.
0Years(Advance Action)	55398.00
1st Year (Planting Year)	57767.00
2 nd Year Maintenance (Year-2)	173400
2 nd Year Maintenance (Year-3)	5237.00
Subsequent Maintenance (Year-4)	5237.00
Subsequent Maintenance (Year-5)	5237.00
Subsequent Maintenance (Year-6)	5237.00
Subsequent Maintenance (Year-7)	5237.00
Subsequent Maintenance (Year-8)	5237.00
Subsequent Maintenance (Year-9)	5237.00
Subsequent Maintenance (Year-10)	5237.00
Subsequent Maintenance (Year-11)	5237.00
Subsequent Maintenance (Year-12)	5237.00
Amount for CA (As per Approved Model Govt. Rajasthan)	Total amount for CA Will Be: 1,82,875 X 5.704 = 10,43,120/- (Ten Lacs Fourty Three thousand One Hundred Twenty Rupees Only)

5.

Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: CA Scheme is prepared for 700 Plants per hectare as per departmental DFL model.
- Spacing: 3×4Meter
- Species: Acacia Nilotica, Acacia Tortilis and Azadirachta Indica and Prosopis cineraria.
- Plantation Method: Manual
- Soil and Moisture Conservation Works: As per Model.
- Protection (Fencing, Watch man, People's Participation etc.): Individual Plant Fencing
- Proposed Monitoring Mechanism- One Guard will be deputed for Supervision
- Any other information: Nil

Place : Alwar

Date : 18-01-2023

(Signature)

Name-----

Designation **ए० के० श्रीवास्तव**

Official Seal **उप वन संरक्षक
अलवर (राज०)--**

Deputy Conservator of Forest, Alwar (Rajasthan)

DETAILS OF AMOUNT FOR CA ON DFL

Detail scheme (On DFL) for Compensatory Afforestation to be carried out in lieu of 2.852 Ha. of forest area to be diverted for "Construction of Toll Plaza Between Km 115.00 to Km 116.00 at Delhi - Jaipur Section of NH-8"

Forest Diversion Proposal -FP/RJ/ROAD/41266/2019

(Diversion Area Alwar Division = 2.852 Ha.)

CA SCHEME -DFL (LabourRate : 259/- Rupees)

0 Year (ADVANCE ACTION)

S.N o.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Dates for Microplanning and carrying out joint forest management activities.	575/ ha	604.33	50.29	655.00
2	Survey of area, lay out of contour trenches, burrowpits and making of segments / plots	463/ ha	475.44	50.29	526.00
3	Fencing by stone wall and or by ditch		0.00	0.00	0.00
	a) a.) Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	225/rmt	7770.00	0.00	7770.00
	b.) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	245.16 / rmt	8466.75	0.00	8467.00
4	Cost of raising 770 seedlings	3.93/-plant	3492.24	1730.19	5222.00
5	Digging up 300 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement.	28.28/ rmt	13025.39	0.00	13025.00
6	Digging of 300 pits size: 0.45x(.4+.5/2)2 cum	17.6 / pit	10128.97	0.00	10129.00
7	Cost of Collection and purchase of grass and other seeds of trees and shrubs.	Prorata	0.00	242.89	243.00
8	Treatments of Nallas by constriction series of check dams of dry ramdomtrubble/earthan/brushwood.	Prorata	755.11	0.00	755.00
9	Construction of thatched cattle guard hut	Prorata	145.92	78.11	224.00
10	Purchase of construction of water storage tank	Prorata	81.47	48.15	130.00
11	Labouraminities	Prorata	94.85	85.60	180.00

	and ward for 4	Prorata	1490.77	0.00	1491.00
	months@15325/-				
	Purchase of tools and plants		0.00	110.21	110.00
	Construction of 50 mt. long contour dykes of 30X30 cm. cross section on upper slopes and sowing of suitable thorny shrub	30.46/rmt	526.51	0.00	527.00
15	Construction of the pillars of appropriate size of Gate.	Prorata	82.69	97.37	180.00
16	Purchase of signboards and their fixing	Prorata	32.83	92.02	125.00
17	Construction of approach road and inspection path	Prorata	285.75	0.00	286.00
18	Misc. and unforeseen expenses including running of vehicles	Prorata	154.43	162.64	317.00
	Total Year 0		47613.45	2747.76	50362.00
19	Administrative Charge 10%				5036.00
				TOTAL	55398.00

YEAR 1 (PLANTING YEAR)

1	Collection of Dates for regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73.00
2	Maintenance of 770 seedling in nursery	2.11/ plant	2554.74	341.33	2896.00
3	Digging of 400 pits size: 0.45x(.4+.5/2)2 cum.	17.73/ pit	12154.76	0.00	12155.00
4	In Situ soil and Moisture conservation measures like check dam., nadies , earthen bunds etc.	Prorata	3247.84	255.73	3504.00
5	Sowing/dibbling of seeds grass/thorny trees species on the mounds of contour trench and ditch fencing etc. (370m/ ha.)	0.59/ m	238.33	11.77	250.00
6	Purchase of insecticide fertilizers.	0.82 / plant	0.00	906.29	906.00
7	Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing	Prorata	1011.68	62.06	1074.00
8	Transportation of 1100 plants from nursery to planting site	1.41/plant	1714.51	68.48	1783.00
9	Planting of 700 seeding including Refilling of pits	3.58/plant	5189.73	0.00	5190.00
10	Watering (id sufficient rains are not there) insecticide in 700 plants at the time of planting.	3.16/plant	4012.68	0.00	4013.00

	Corporation 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)	4.1/plant	707.69	0.00	708.00
12	Making of crescent shaped mounds below planted sapling after planting and dibbing 3 seeds of thorny tree species (700 plants/ha)	3.16/plant	4534.32	0.00	4534.00
13	Weeding and hoeing of 700 plants in 2 times. Repairing of plants mound.	2.03/plant	9041.90	0.00	9042.00
14	Weeding on contour trenches and "V" ditches and spacement singling	Prorata	813.48	0.00	813.00
15	Raising of 70 seedlings in nursery for casualty replacement year -2 (10% of 700)	3.94/seeding	317.37	157.29	475.00
16	Watch and ward for 12 months @ Rs 15325/- Month	Prorata	4472.31	0.00	4472.00
17	Labour amenities	Prorata	200.63	23.54	224.00
18	Construction of gate and fixing of sign board	Prorata	32.83	92.02	125.00
19	Miscellaneous and unforeseen expenditure.	Prorata	160.51	117.70	278.00
	Total Year 1		50405.31	2108.97	52515.00
20	Administrative Charge 10%				5252.00
	TOTAL				57767.00

First Year Maintenance (Year-2)

1	Collection of Datas for regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73.00
2	Maintenance of 70 seedling in nursery for casualty replacement in year-2	2.11/ plant	232.25	31.03	263.00
3	Repair of Fencing	Prorata	237.11	9.63	247.00
4	Casualty replacement 70 plants including redigging of pits, Transportation planting, Watering and application of insecticides.	11.55/ plant	1382.55	69.55	1452.00
5	Weeding and hoeing in 700 plants 3.57/plant in pits two times.	3.57/ plant	9041.90	0.00	9042.00
6	Watch and ward for 12 months @ Rs 15325/- Month	Prorata/ha	4472.31	0.00	4472.00
7	Miscellaneous and unforeseen expenditure.	Prorata	147.13	67.41	215.00
	TOTAL YEAR-2		15513.25	250.38	15764.00
8	Administrative Charge 10%				1576.00
	TOTAL				17340.00

MENT MAINTENANCE (YEAR 3 TO 12)

	Collection of Datas for regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73.00
2	Watch and ward for 12 months @ Rs 15325/- Month	Prorata/ha	4472.31	0.00	4472.00
3	Miscellaneous and unforeseen expenditure including (repairing of fencing/structures pruning etc.)	Prorata	115.52	100.58	216.00
	TOTAL YEAR-3		4587.8	173.3	4761.0
4	Administrative Charge 10%				476.00
	TOTAL				5237.0

CA SCHEME - DFL (Labour Rate: 259/- Rupees)

"Construction of Toll Plaza Between Km 115.00 to Km 116.00 at Delhi - Jaipur Section of NH-8"
 Forest Diversion Proposal -FP/RJ/ROAD/41266/2019
 (Diversion Area Alwar Division = 2.852 Ha.)

Sr. No	Details of Work	Rate Per Hectare	Degraded Forest Land (DFL) Area (in Hectare)	Total Amount for CA (In Rupees)
1	0Years(Advance Action)	55398.0	5.704	315990
2	1st Year (Planting Year)	57767.0	5.704	329503
3	1 st Year Maintenance (Year-2)	17340	5.704	98907
4	2 nd Year Maintenance (Year-3)	5237.0	5.704	29872
5	Subsequent Maintenance (Year-4)	5237.0	5.704	29872
6	Subsequent Maintenance (Year-5)	5237.0	5.704	29872
7	Subsequent Maintenance (Year-6)	5237.0	5.704	29872
8	Subsequent Maintenance (Year-7)	5237.0	5.704	29872
9	Subsequent Maintenance (Year-8)	5237.0	5.704	29872
10	Subsequent Maintenance (Year-9)	5237.0	5.704	29872
11	Subsequent Maintenance (Year-10)	5237.0	5.704	29872
12	Subsequent Maintenance (Year-11)	5237.0	5.704	29872
13	Subsequent Maintenance (Year-12)	5237.0	5.704	29872
Amount for CA (As per Approved Model Govt.Rajasthan)		182875.0	5.704 ha.	1043120.0

Place : Alwar

Date : 18/01/2023

(Signature)

Name-----

Designation-----

Official Seal-----

एन के सी रास्तव
 जल संसाधन
 जल संयंत्र