

Full Title of the Project: Diversion of 9.08 ha of Forest land for providing divided carriageway of 5.5 m each on Ballabgarh Chhainsa Mohana road from KM 3.00 to 14.96 in district Faridabad, under Forest Division and District Faridabad Haryana.
File No.: FP/HR/Road/43612/2019
Date of Proposal:

CHECK LIST SERIAL NUMBER: - 18 "SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation in lieu of proposal for diversion of 9.08 hac. Of forest land for for providing divided carriageway of 5.5 m each on Ballabgarh Chhainsa Mohana road from KM 3.00 to 14.96 in district Faridabad, under Forest Division and District Faridabad.

1. **Details of degraded forest land/non-forest land:-**
 District: - Faridabad
 Forest Division: - Faridabad
 Tehsil: Ballabgarh
 Range: Ballabgarh
 Block/Compt/Survey No Channisa distributy, Rampura distributy, Dhauj Old bund, Kot bund, Sikrona Minor, Gaunchi Main drain, Harchandpur distributy.
 Area to be Afforested:- 20346 Plants will be planted
 GPS Reading 1. Channisa distributy RD 64 to tale
 N 28 18 52.50 E 77 27 12.67
 2. Rampura distributy RD 36 to 60
 N 28 15 43.21 E 77 22 49.28
 3. Dhauj old bund RD 0 to tale
 N 28 21 0.741 E 77 12 21.38
 4. Kot bund
 N 28 20 60.1 E 77 10 43.15
 5. Sikrona minor RD 0 to tale
 N 28 19 48.3 E 77 15 34.8
 6. Gaunchi main drain RD 195 to 208
 N 28 20 4.0 E 77 16 18.9
 7. Harchandpur distributy RD 0 to 12
 N 28 19 49.47 E 77 15 71.95
 8. Kot Section 4 and 5 Area
 N 28 21 7.88 E 77 8 52.90
 N 28 21 8.37 E 77 9 1.20
 N 28 21 7.79 E 77 8 52.89
 N 28 21 8.27 E 77 9 1.24

2. **Description of the Area:-**
 • Whether the site selected for Compensatory Afforestation is a land bank (Yes or No):-
 the site selected for Compensatory Afforestation is not a land bank.

If the CA site is other than the land bank, reasons are given:- There is no land bank in District Faridabad. Plantation will be carried out Channisa distributy, Rampura distributy, Dhauj Old bund, Kot bund, Sikrona Minor, Gaunchi Main drain, Harchandpur distributy and Kot section 4 and 5 area
 . In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: - CA will be carried out Channisa distributy, Rampura distributy, Dhauj Old bund, Kot bund, Sikrona Minor, Gaunchi Main drain, Harchandpur distributy and Kot section 4 and 5 area
 Soil type: - Normal.

Topography:-

3. **Plantation Model:-**
 - i) Whether the area is bearing any root stock of vegetation:- No
 - a. Hilly/Undulating/Plain
 - b. Slope:- Steep/Medium/Gentle
 - c. Plain
4. **Schedule of Plantation Programme:-**

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under:-

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

The Plantation is calculated for Tall Plants norms at 4m X 4m spacing and 250 plants per RKM and it is approved by the PCCF, Haryana's letter No. D-X-66-1605-25 dated 01.01.2017 at the wages rate of Rs.347.08/- per day as under:-

Sr. No.	Year	Cost norm per plant
1	1 st Year Plantation	367.65/- Per Plant
2	2 nd Year Maintenance	118.09/- Per Plant
3	3 rd Year Maintenance	42.88/- Per Plant
4	4 th Year Maintenance	15.95/- Per Plant
5	5 th Year Maintenance	15.95/- Per Plant
6	6 th Year Maintenance	15.95/- Per Plant
7	7 th Year Maintenance	15.95/- Per Plant
8	8 th Year Maintenance	15.95/- Per Plant
9	9 th Year Maintenance	15.95/- Per Plant
10	10 th Year Maintenance	15.95/- Per Plant
	Total Cost.	640.27/-

Area to be diverted: 9.08 Hec.

Area to be planted (One/two/ten times the diverted area) = 18160 Plants. (4x4)

No. of trees to be felled = 1763

No. of Plants to be damaged = 1093

Number of Plants to be planted (@ 1000 Plant per Hec.) = 20346 Plants

S. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Net Present Value of Forest Land to be diverted	9.08	Rs. 8.87 lac per Ha	8053960
B	Compensatory Afforestation Charges			
1	1 st Year Plantation	3314	367.65/- Per Plant	1218392.1
2	2 nd Year Plantation	3314	118.09/- Per Plant	391350.26
3	3 rd Year Plantation	3314	42.88/- Per Plant	142104.32
4	4 th Year Plantation	3314	15.95/- Per Plant	52858.3

5	5th Year Plantation	3314	15.95/- Per Plant	52858.3
6	6th Year Plantation	3314	15.95/-Per Plant	52858.3
7	7th Year Plantation	3314	15.95/- Per Plant	52858.3
8	8th Year Plantation	3314	15.95/- Per Plant	52858.3
9	9th Year Plantation	3314	15.95/- Per Plant	52858.3
10	10th Year Plantation	3314	15.95/- Per Plant	52858.3
	Total of (A)		640.27/-	2121854.78
B	Additional CA			
1	1st Year Plantation	2186	367.65/- Per Plant	803682.9
2	2nd Year Plantation	2186	118.09/- Per Plant	258144.74
3	3rd Year Plantation	2186	42.88/- Per Plant	93735.68
4	4th Year Plantation	2186	15.95/- Per Plant	34866.7
5	5th Year Plantation	2186	15.95/- Per Plant	34866.7
6	6th Year Plantation	2186	15.95/-Per Plant	34866.7
7	7th Year Plantation	2186	15.95/- Per Plant	34866.7
8	8th Year Plantation	2186	15.95/- Per Plant	34866.7
9	9th Year Plantation	2186	15.95/- Per Plant	34866.7
10	10th Year Plantation	2186	15.95/- Per Plant	34866.7
	Total of (B)		640.27/-	1399630.22
C	Barbed Wire Charges	22	Rs. 200000 per KM	4400000
D	Supervisory/Overhead/Miscellaneous Charges		10% On the total CA	792148.5

S. NO.	Description	Total Area	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges			
1	1st Year Plantation	14846	344.731/- Per Plant	5117876.426
2	2nd Year Plantation	14846	80.346/- Per Plant	1192816.716

Sr. No.	Year	Cost norm per plant
1	1 st Year Plantation	344.731/- Per Plant
2	2 nd Year Maintenance	80.346/- Per Plant
	3 rd Year Maintenance	67.432/- Per Plant
4	4 th Year Maintenance	15.95/- Per Plant
5	5 th Year Maintenance	15.95/- Per Plant
6	6 th Year Maintenance	15.95/- Per Plant
7	7 th Year Maintenance	15.95/- Per Plant
8	8 th Year Maintenance	15.95/- Per Plant
9	9 th Year Maintenance	15.95/- Per Plant
10	10 th Year Maintenance	15.95/- Per Plant
	Total Cost.	

The Plantation is calculated for plantation as per pits cum trench technique in Aravallis at 4x4 spacing and 1000 plants per Ha at the wages rate of Rs.347.08/- per day as under:-

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

4. Schedule of Plantation Programme:-

under:
The eco restoration Model after removal of prosopis Juliflora bush is suggested of prosopis Juliflora, bushes will be uprooted using machinery wherever possible and will be cut back in accessible areas twice a year. Simultaneously plantation using native Aravalli Species will be taken up in the blanks generated and already existing the barren land, Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as

POLY Plants CA scheme Plantation Model:-

GRAND TOTAL (A+B+C+D+E+F+G+H+I) TO BE DEPOSITED IN CAMPA FUND					21993614.53
E	Felling Charges Volume=	1484.51	Rs.1200/- per m ³		1781412
F	Plantation Damage Charges.=	0	Rs. 600/-Plant		0
G	SMC Charges30 % of CA+ACA				1056445.5
H	Patrolling Vehicle for protection(Mahindra Scorpio)	1	1800000		1800000
	Total (C+D+E+F+G+H)				9830006
I	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G +H+I+J)				588163.53

3	3rd Year Plantation	14846	67.432/- Per Plant	1001095.472
4	4th Year Plantation	14846	15.95/- Per Plant	236793.7
5	5th Year Plantation	14846	15.95/- Per Plant	236793.7
6	6th Year Plantation	14846	15.95/- Per Plant	236793.7
7	7th Year Plantation	14846	15.95/- Per Plant	236793.7
8	8th Year Plantation	14846	15.95/- Per Plant	236793.7
9	9th Year Plantation	14846	15.95/- Per Plant	236793.7
10	10th Year Plantation	14846	15.95/- Per Plant	236793.7
	Total of (A)			8969344.514
B	Barbed wire fencing	59.384	200000 per Ha	11876800
C	Supervisory/Overhead/Miscellaneous Charges		10% On the total CA+ Tree Guards Charges	2084614.451
D	SMC Charges 30% of CA			2690803
E	Tubewell charges	2 No	1000000 per tubewell.	2000000
F	Ponds	1 No	1000000 per Pond	1000000
G.	Anjan Grass/Tulsi/Ashav Gandha etc. disposal of seeds			90000
	Total (B+C+D+E+F+G)			19742217.45
F	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			861346.859
GRAND TOTAL (A+B+C+D+E+F) TO BE DEPOSITED IN CAMPA FUND				
				29572908.82
	G. Total			51566523.35

5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details: - Plantation will be done along Channisa distributry, Rampura distributry, Dhauj Old bund, Kot bund, Sikrona Minor, Gaunchi Main drain, Harchandpur distributry, & Kot section 4&5 of PLPA

b) Spacing: -

4m X 4m Planting

c) Species: -

- Neem, Papri, Arjun, Shisham, P. Papri, Dhak, Kheri, etc.
 Pit Plantation & Poly plants Plantation
 Nil
 Checking of plantation works will be RFO, DCF, CF, and DCF (M&E)
 Proposed Monitoring Mechanism: -

Dr. Conservator of Forests
Faridabad