

Full Title of the Project: Diversion of 3.90 ha of forest land for construction of 6 lane access controlled highway form DND Faridabad Ballabgarh bypass junction with Delhi Vadodara express way KMP interchange (NH-148 NA) under Bharatmala priyojna (Lot-4/PKG-1) under Forest Division and District Faridabad

File No. :

FP/HR/Road/48568/2020

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation in lieu of proposal for Diversion of 3.90 ha of forest land for construction of 6 lane access controlled highway form DND Faridabad Ballabgarh bypass junction with Delhi Vadodara express way KMP interchange (NH-148 NA) under Bharatmala priyojna (Lot-4/PKG-1) under Forest Division and District Faridabad

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

District: - Faridabad Tehsil: Faridabad

Forest Division: - Faridabad Range: Faridabad

Block/Compt/Survey No.: - Pali PLPA section 4 & 5.

Area to be Afforested:- 8900 Plants will be planted

GPS Reading N 28 24 51.6528 E 77 14 09.3984

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 Pali PLPA section 4 & 5.

.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 Pali PLPA section 4 & 5.

. Soil type: - Normal.

Topography:-

- | | | |
|----|------------------------------|--------|
| a. | Hilly/Undulating/Plain | Plain |
| b. | Slope: - Steep/Medium/Gentle | Gentle |

f) Whether the area is bearing any root stock of vegetation:- No

3. Plantation Model:-

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 under:

4. Schedule of Plantation Programme:-

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

The Plantation is calculated for plantation as per revitalization of institutions of Aravallis at 4x4 spacing and 625 plants per Ha at the wages rate of Rs.347.08/- per day as under:-

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	3 rd Year Maintenance	67.432/- Per Plant
4	4 th Year Maintenance	15.95/- Per Plant
5	5th Year Maintenance	15.95/- Per Plant
6	6th Year Maintenance	15.95/-Per Plant

7	7th Year Maintenance	15.95/- Per Plant
8	8th Year Maintenance	15.95/- Per Plant
9	9th Year Maintenance	15.95/- Per Plant
10	10th Year Maintenance	15.95/- Per Plant
	Total Cost.	

Area to be diverted: 3.90 Hec.

Area to be planted (One/two/ten times the diverted area) =7800 Plants. (4x4)

No. of trees to be felled= 137

No. of Plants to be damaged=550

Number of Plants to be planted (@ 1000 Plant per Hec.) = 8900 Plants

S. NO'	Description	Total Area		Rate	Total Amount (Rs.)
A	Net Present Value of Forest Land to be diverted	3.9		Rs. 8.87 lac per Ha	3459300
B	Compensatory Afforestation Charges				
1	1st Year Plantation		7800	344.73/- Per Plant	2688894
2	2nd Year Plantation		7800	80.346/- Per Plant	626698.8
3	3rd Year Plantation		7800	67.432/- Per Plant	525969.6
4	4th Year Plantation		7800	15.95/- Per Plant	124410
5	5th Year Plantation		7800	15.95/- Per Plant	124410
6	6th Year Plantation		7800	15.95/- Per Plant	124410
7	7th Year Plantation		7800	15.95/- Per Plant	124410
8	8th Year Plantation		7800	15.95/- Per Plant	124410
9	9th Year Plantation		7800	15.95/- Per Plant	124410
10	10th Year Plantation		7800	15.95/- Per Plant	124410
	Total of (A)			604.158	4712432.4
B	Additional CA				
1	1st Year Plantation		1100	344.73/- Per Plant	379203
2	2nd Year Plantation		1100	80.346/- Per Plant	88380.6
3	3rd Year Plantation		1100	67.432/- Per Plant	74175.2
4	4th Year Plantation		1100	15.95/- Per Plant	17545
5	5th Year Plantation		1100	15.95/- Per Plant	17545
6	6th Year Plantation		1100	15.95/- Per Plant	17545
7	7th Year Plantation		1100	15.95/- Per Plant	17545
8	8th Year Plantation		1100	15.95/- Per Plant	17545
9	9th Year Plantation		1100	15.95/- Per Plant	17545
10	10th Year Plantation		1100	15.95/- Per Plant	17545
	Total of (B)			604.158	664573.8
C	Barbed Wire Charges		35.6	Rs. 200000 per KM	7120000
D	Supervisory/Overhead/Miscellaneous Charges			10% On the total CA	1249700.62
E	Felling Charges Volume=		38.43	Rs.1200/- per m3	46116
F	Plantation Damage Charges.=		0	Rs. 600/-Plant	0
G	SMC Charges30 % of CA				1413729.72
	Total (E+F+G)				1459845.72

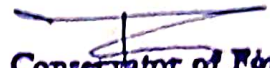
H	Pond		1	1000000	1000000
I	Summersible/Pipe line		1	1000000	1000000
J	Petroling Vehicle (One Scorpio)		1	1800000	1800000
	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G+H+I+J)				673975.58
GRAND TOTAL (A+B+C+D+E+F+G+H+I) TO BE DEPOSITED IN CAMPA FUND					23139828.12

5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details: - Plantation will be done along Pall section 4 & 5.
b) Spacing: - 4m X 4m T.P. Planting

- c) Species: - Neem, P. Papri, Dhak, Kheri, Ronjh, Beri, Pipal etc.
etc.
d) Plantation Method: - Plt cum trench Plantation
e) Soil and Moisture Conservation Works: - Nil
f) Protection (Fencing, Watch man, People's Participation etc.): - Fencing
g) Proposed Monitoring Mechanism: - Checking of plantation works will be RFO, DCF, CF, and DCF (M&E)


Dy. Conservator of Forests
Faridabad