

Full Title of the Project: Diversion of 6.7 hac. of forest land for providing of widening/strengthening of Wazirpur-Farrukhnagar Road Km. 0.900 to 7.60, Under Forest Division and Distt. Gurugram.

File No. :

FP/HR/ROAD/35683/2018

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation in lieu of proposal for diversion of 6.7 Hec. of forest land for providing of widening/strengthening of Wazirpur-Farrukhnagar Road Km. 0.900 to 7.60, Under Forest Division and Distt. Gurugram.

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

District: -Gurgaon

Tehsil: Gurgaon

Forest Division: - Gurgaon

Range: Hailymandi

Block/Compt/Survey No.: - Sarbasirpur Reserve Forest

Area to be afforested: 13400 Plants and 3000 Addl. Plants will be planted

GPS Reading:- N 28°25'27.48" E 76°53'30.43" N 28°26'41.75" E 76°50'11.55"

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 Gurgaon. Plantation will be carried in Sarbasirpur Reserve Forest.
- 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 in Sarbasirpur Reserve Forest.
- d) Soil type: - Arid brown soil with texture varies from sandy loam to clay.
- Topography:-
 - a. Hilly/Undulating/Plain
 - b. Slope: - Steep/Medium/Gentle
- f) Whether the area is bearing any root stock of vegetation:-

Hilly

Gentle

No

3. Plantation Model:-

Alkali Model – plantation on mound Zypsum treatment 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 APCCF vide letter no. D-III-8744/687-88 dated 20.04.2019 at the wages rate of Rs.339.51/- per day as under:-

Cost of 25% (4100) of total plants 16400 of – pit size 1x1x1 mtr.

Sr. No.	Year	Cost norm per plant
1	1 st Year Plantation	474/- Per Plant
2	2 nd Year Maintenance	90/- Per Plant
3	3 rd Year Maintenance	55/- Per Plant
4	4 th Year Maintenance	15.20/- Per Plant
5	5th Year Maintenance	15.20/- Per Plant
6	6th Year Maintenance	15.20/- Per Plant
7	7th Year Maintenance	15.20/- Per Plant
8	8th Year Maintenance	15.20/- Per Plant
9	9th Year Maintenance	15.20/- Per Plant
10	10th Year Maintenance	15.20/- Per Plant
	Total Cost.	725.4/-

Cost of 75% plants of total plants planted in 60x60x60 cm.

Sr. No.	Year	Cost norm per plant
1	1 st Year Plantation	342/- Per Plant
2	2 nd Year Maintenance	89.83/- Per Plant
3	3 rd Year Maintenance	49/- Per Plant
4	4 th Year Maintenance	15.20/- Per Plant
5	5th Year Maintenance	15.20/- Per Plant
6	6th Year Maintenance	15.20/- Per Plant
7	7th Year Maintenance	15.20/- Per Plant
8	8th Year Maintenance	15.20/- Per Plant
9	9th Year Maintenance	15.20/- Per Plant
10	10th Year Maintenance	15.20/- Per Plant
	Total Cost.	587.23/-

Area to be diverted: 6.7 Hec.

Area to be planted (One/two/ten times the diverted area) = 13400 Plants and 3000 Addl. Plants will be planted (5mx4m)

No. of trees to be felled= 1320

No. of Plants to be damaged=1500

Number of Plants to be planted (@ 1000 Plant per Hec.) = 13400 Plants and 3000 Addl. Plants will be planted

Sr. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Net Present Value of Forest Land to be diverted	6.7	Rs. 8.87 Lacs/Ha.	5942900
	Cost of 25% plants out of total plants planted in 1x1x1 mtr.			
	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	4100	745.27/- Per Plant	3055607
2	2nd Year Plantation	4100	173.85/- Per Plant	712785
3	3rd Year Plantation	4100	80/- Per Plant	328000
4	4th Year Plantation	4100	21.19/- Per Plant	86879
5	5th Year Plantation	4100	21.19/- Per Plant	86879
6	6th Year Plantation	4100	21.19/- Per Plant	86879
7	7th Year Plantation	4100	21.19/- Per Plant	86879
8	8th Year Plantation	4100	21.19/- Per Plant	86879
9	9th Year Plantation	4100	21.19/- Per Plant	86879
10	10th Year Plantation	4100	21.19/- Per Plant	86879
B	Total Charges of (B Above)			4704545
	Cost of 75% plants (1050) out of 13400 total plants planted in 60x60x60 cm.			
1	1st Year Plantation	10050	553.85/- Per Plant	5566193
2	2nd Year Plantation	10050	153.51/- Per Plant	1542776
3	3rd Year Plantation	10050	70.39/- Per Plant	707420
4	4th Year Plantation	10050	31.65/- Per Plant	318083
5	5th Year Plantation	10050	31.65/- Per Plant	318083
6	6th Year Plantation	10050	31.65/- Per Plant	318083
7	7th Year Plantation	10050	31.65/- Per Plant	318083
8	8th Year Plantation	10050	31.65/- Per Plant	318083
9	9th Year Plantation	10050	31.65/- Per Plant	318083
10	10th Year Plantation	10050	31.65/- Per Plant	318083
C	Total Charges of (C Above)			10042965

Additional Compensatory Afforestation Scheme 75% (2250) out of 3000 Plants				
	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	2250	393.85/- Per Plant	886163
2	2nd Year Plantation	2250	153.51/- Per Plant	345398
3	3rd Year Plantation	2250	70.39/- Per Plant	158378
4	4th Year Plantation	2250	31.65/- Per Plant	71213
5	5th Year Plantation	2250	31.65/- Per Plant	71213
6	6th Year Plantation	2250	31.65/- Per Plant	71213
7	7th Year Plantation	2250	31.65/- Per Plant	71213
8	8th Year Plantation	2250	31.65/- Per Plant	71213
9	9th Year Plantation	2250	31.65/- Per Plant	71213
10	10th Year Plantation	2250	31.65/- Per Plant	71213
D	Total Charges of (D Above)			1888425
E	Boundary pillars with barbad wire fencing	Entire Area		2795000
F I	SMC charges (Good Soil)	20412	444.15/- per pits	9065990
F II	SMC charges (Water Body 25x25x2 mtr.)	3	300000/- per	900000
G	Supervisory/Overhead/Miscellaneous Charges		10% On the total CA Charges	1663594
H	Felling Charges Volume=	73.78	Rs.1200/- per m3	88536
I	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G+H+I)			1112759
TOTAL (A+B+C+D+E+F+G+H+I)				38204713

5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: - Plantation will be done in Sarbasirpur Reserve Forest
- Spacing: - 5m X 4m Plantation
- Species: - Temarindus indica, Albizzia carribea, Syzygium cuminii, Eucalyptus tereticornis, Acacia auraiiliformis, Terminalia arjuna, Zizyplrus mauritiana.
- Soil and Moisture Conservation Works: - 3 Water bodies, Good Soil and Gypsum
- Protection (Fencing, Watch man, People's Participation etc.): - Fencing
- Proposed Monitoring Mechanism: - Checking of plantation works will be RFO, DCF, CF, and DCF, (M&E)
- Any other information: - Nil

Date.../1-6-19
Place :- Gurgaon.


Divisional Forest Officer
Gurgaon Forest Division
Forest Division
Office Seal