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Full Title of the Project: Diversion of 2.668 hac forest land for up-gradation of arterial road from Umang Bhardwaj Chowk to NPR in Gurugram, Under Forest Division and District Gurugram, Haryana.
File No. :
Date of Proposal: FP/HR/ROAD/33215/2018

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

Detail scheme for Compensatory Afforestation in lieu of proposal for diversion of 2.668 Hec. of forest land for construction for up-gradation of arterial road from Umang Bhardwaj Chowk to NPR in Gurugram, Under Forest Division and District Gurugram, Haryana.

1. **Details of degraded forest land/non-forest land:-**
 District: -Gurugram Tehsil: Gurugram
 Forest Division: - Gurugram Range: Gurugram
 Block/Compt/Survey No.: - Budhera
 Area to be afforested: 2668 Plants & 854 Add. Plants will be planted.
 GPS Reading:- N 28°29'4" E 76°55'42" N 28°29'5" E 76°55'42" N 28°29'3" E 76°56'0"
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 Budhera.
 - 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 Budhera.
 - d) Soil type: - Arid brown soil with texture varies from sandy loam to clay.
 - Topography:-
 - a. Hilly/Undulating/Plain
 - b. Slope: - Steep/Medium/Gentle
3. **Plantation Model:-**
 Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under:

Hilly
Gentle
No

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 Tall Plants. At 4m X 2.5 m spacing at the wages rate of Rs.339.51/- per day as under:-

Sr. No.	Year	Cost norm per plant
1	1 st Year Plantation	585.27/- Per Plant
2	2 nd Year Maintenance	173.85/- Per Plant
3	3 rd Year Maintenance	80/- Per Plant
4	4 th Year Maintenance	21.19/- Per Plant
5	5th Year Maintenance	21.19/- Per Plant
6	6th Year Maintenance	21.19/- Per Plant
7	7th Year Maintenance	21.19/- Per Plant
8	8th Year Maintenance	21.19/- Per Plant
9	9th Year Maintenance	21.19/- Per Plant
10	10th Year Maintenance	21.19/- Per Plant
	Total Cost.	21.19/- Per Plant

Area to be diverted: 2.668 Hec.

Area to be planted (One/two/ten times the diverted area) = 2668 Plants & 854 Add. Plants will be planted (5m x 4m)

No. of trees to be felled = 267

No. of Plants to be damaged = 427

Number of Plants to be planted (@ 1000 Plant per Hec.) = 2668 Plants & 854 Add. Plants will be planted

Sr. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Net Present Value of Forest Land to be diverted	2.668	Rs. 8.87 Lacs/Ha.	2366516
	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	2668	585.27/- Per Plant	1561500
2	2nd Year Plantation	2668	173.85/- Per Plant	463832
3	3rd Year Plantation	2668	80/- Per Plant	213440
4	4th Year Plantation	2668	21.19/- Per Plant	56535
5	5th Year Plantation	2668	21.19/- Per Plant	56535
6	6th Year Plantation	2668	21.19/- Per Plant	56535
7	7th Year Plantation	2668	21.19/- Per Plant	56535
8	8th Year Plantation	2668	21.19/- Per Plant	56535
9	9th Year Plantation	2668	21.19/- Per Plant	56535
10	10th Year Plantation	2668	21.19/- Per Plant	56535
B	Total Charges of (B Above)			56535
Additional Compensatory Afforestation Scheme				
	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	854	585.27/- Per Plant	499821
2	2nd Year Plantation	854	173.85/- Per Plant	148468
3	3rd Year Plantation	854	80/- Per Plant	68320
4	4th Year Plantation	854	21.19/- Per Plant	18096
5	5th Year Plantation	854	21.19/- Per Plant	18096
6	6th Year Plantation	854	21.19/- Per Plant	18096
7	7th Year Plantation	854	21.19/- Per Plant	18096
8	8th Year Plantation	854	21.19/- Per Plant	18096
9	9th Year Plantation	854	21.19/- Per Plant	18096
10	10th Year Plantation	854	21.19/- Per Plant	18096
C	Total Charges of (D Above)			18096
D	Barbed Wire Fencing Charge	2	Rs. 76700/- Per RKM	153400
E	Supervisory/Overhead/Miscellaneous Charges		10% On the total CA Charges	347780
F	Soil & Moisture Conservation Charges		30% of Total CA	1043340
G	Felling Charges Volume =	242.36	Rs. 1200/- per m3	290832
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			230390
TOTAL (A+B+C+D+E+F+G+H)				7910056

5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: - Plantation will be done in Raipur RF
- Spacing: - 5m X 4m Plantation
- Species: - Neem, Papri, Belpatra etc.
- Plantation Method: - Tall Plant
- 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)
Nil

h) Any other information: -

Date.....10-7-19
Place :- Gurgaon.

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Divisional Forest Officer
Gurgaon Forest Division
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