

Full Title of the Project: Diversion of 0.96 ha. of forest land for laying of water supply pipe line from Shikrawa to M.B.S. Bhadas to supply of Nagina and pinangwan block Village along Bhadas- Shikrawa road, RHS under forest division and district Nuh, Haryana.

File No. : FP/HR/Approach/144098/2021
Date of Proposal: 06.08.2021

CHECK LIST SERIAL NUMBER:-18
“CA SCHEME”

Name of the Forest/Reach to be : Full Title of the Project: Diversion of 0.96 ha. of forest land for laying of water supply pipe line from Shikrawa to M.B.S. Bhadas to supply of Nagina and pinangwan block Village along Bhadas- Shikrawa road, RHS under forest division and district Nuh, Haryana.

Details of degraded forest land/non-forest land where C.A. is to be carried out.

Division: -Nuh District -Nuh

Tehsil Punhana Range Punhana

C.A. Site Name : Tigaon Sec. 4&5

GPS Reading :- C.A= 2.0 ha.

Tigaon Sec 4&5

N 27⁰ 49'47.75" E 77⁰ 3'02.45"
N 27⁰ 49'47.43" E 77⁰ 04'04.42"
N 27⁰ 49'33.53" E 77⁰ 02'56.80"
N 27⁰ 49'32.91" E 77⁰ 02'58.79"

Area to be Afforested :-

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): Yes
- b) If the CA site is other than the land bank, reasons be given:- N.A.
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-
 - i) Soil type: Sandy to Sandy Loam.
 - ii) Topography a. Hilly/Undulating Plain: Undulating
b. Slope:-Steep/Medium/Gentle: Gentle to steep
 - iii) Whether the area is bearing any root stock of vegetation:- At some hilly places.

Plantation Model:-

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

1. 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 Small Plants. At 4 × 2½ meter spacing and 1000 plants per Hec. at the wages rate approved 2020-21 at Rs 347.08/- as per wage plants as under:- (inclusion with 10% per year future maintenance cost norms)

Sr. No.	Year	Rate per plant
1	1 st Year Plantation	420/- Per Plant
2	2 nd Year Maintenance	147/- Per Plant
3	3 rd Year Maintenance	58/- Per Plant
4	4 th Year Maintenance	24/- Per Plant
5	5th Year Maintenance	25/- Per Plant
6	6th Year Maintenance	27/- Per Plant
7	7th Year Maintenance	29/- Per Plant
8	8th Year Maintenance	30/- Per Plant
9	9th Year Maintenance	32/- Per Plant
10	10th Year Maintenance	34/- Per Plant

Area to be Diverted = **0.90 ha.**

No. of trees to be felled= **Nil**

Plants to be damaged= 40 No.

Plants to be planted= **2000**

Area to be planted = Two time of the area to be diverted= $0.90 \times 2 = 1.92$ ha.

Plants to be Planted = **1920 (@ 1000 plant per ha.)**

Additional C.A in lieu of plants to be damaged (Double the plants to be damaged) 80 No.

S. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges	No. of plants		
1	1st Year Plantation	1920	420/- Per Plant	806400
2	2nd Year Plantation	1920	147/- Per Plant	282240
3	3rd Year Plantation	1920	58/- Per Plant	111360
4	4th Year Plantation	1920	24/- Per Plant	46080
5	5th Year Plantation	1920	25/- Per Plant	48000
6	6th Year Plantation	1920	27/- Per Plant	51840
7	7th Year Plantation	1920	29/- Per Plant	55680
8	8th Year Plantation	1920	30/- Per Plant	57600
9	9th Year Plantation	1920	32/- Per Plant	61440
10	10th Year Plantation	1920	34/- Per Plant	65280
11	Tree Guard/Fencing Charge	7.68 RKM	Rs. 200000 per RKM	1536000
	Total Charges)			3121920
	Supervisory/Overhead/Miscellaneous Charges		10% On the CA Charges	312192
	Total (A) C.A Charges			3434112

Additional Compensatory Afforestation Charges				
B	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	80	420/- Per Plant	33600
2	2nd Year Plantation	80	147/- Per Plant	11760
3	3rd Year Plantation	80	58/- Per Plant	4640
4	4th Year Plantation	80	24/- Per Plant	1920
5	5th Year Plantation	80	25/- Per Plant	2000
6	6th Year Plantation	80	27/- Per Plant	2160
7	7th Year Plantation	80	29/- Per Plant	2320
8	8th Year Plantation	80	30/- Per Plant	2400
9	9th Year Plantation	80	32/- Per Plant	2560
10	10th Year Plantation	80	34/- Per Plant	2720
11	Tree Guard/ Fencing Charge=	0.32 RKM.	Rs. 200000 per RKM	64000
Total (B) Addl. C.A Charges				130080
C	Catchment Area Treatment (if required)			
	Digging of Pit cum Trenches 2000x2.0x0.45x0.45=810 cum	810 cum	143.31 per cum.	116081
	Soil and Moisture Conservation Charges		30% of the Total C.A	1069258
D	Sefety Zone (if required)			0
E	Additional Charges (if required)			0
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	851520
G	Felling Charges =	0.0 M3	Rs.1200/- per m3	0
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			168031
GRANT TOTAL				5769082

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacement:- 4 × 2½ meter
- Species:- Ronj (Vachellia leucophloea) Kheri (Prosopis Cineraria) Pahari Papri (Holoptelea integrifolia) Dhak (Butea monosperma) etc.
- Plantation Method :- Small Plantation
- Soil and Moisture Conservation Works:-
- Protection (Fencing, Watch man, People's Participation etc.):- **Fencing**
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Place:

Dated :


 Divisional Forest Officer
 Mewat-Nuh

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.