

Full Title of the Project : **Diversion of 0.844 ha. of forest land improvement of existing road by providing widening & strengthening from Badshai Path to GT road km 0.00 to km 2.370 in Gannaur constituency under Division and Distt. Sonapat.(HR)**

File No. : **FP/HR/Road/141837/2021**

Date of Proposal : **22-06-2021**

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

Name of the project/Reach to be diverted :

Diversion of 0.844 ha. of forest land improvement of existing road by providing widening & strengthening from Badshai Path to GT road km 0.00 to km 2.370 in Gannaur constituency under Division and Distt. Sonapat.(HR).

Forest Area = **1.688 ha.**

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

Division and District Sonapat

Tehsil Gannaur, Range Sonapat-

CA site Name: **Ahulana Minor RD 10 to 20**

Longitude : 76.947932"E Latitude : 29.162291"N

Longitude : 76.956146"E Latitude : 29.142121"N

Area to be afforesed: _

a) Whether the site selected for Compensatory Afforestation is a land bank (yes or No) :
No

b) If the CA site is other than the land bank, reasons be given : **There is not land bank in District Sonapat.**

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 : **Clay Loan**

ii) Topography :

(a) Hilly/Undulating/Plain : **Plain**

(b) Slope: Steep/Medium/Gentle : **Gentle**

iii) Whether the area is bearing any root stock of vegetation: **No**

Plantation Model:-

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

1. Schedule of Plantation Programme:-

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

The plantation cost is calculated for tall plants norms at 4m x 2½m spacing at the wage rate of 326.82/- per daily as under:-

Year	Rate per plants
1st year cost of afforestation	Rs. 395/- per plant
2 nd year maintenance	Rs. 138/- per plant
3 rd year maintenance	Rs. 55/- per plant
4 th year maintenance	Rs. 22/- per plant
5 th year maintenance	Rs. 24/- per plant
6 th year maintenance	Rs. 26/- per plant
7 th year maintenance	Rs. 27/- per plant
8 th year maintenance	Rs. 28/- per plant
9 th year maintenance	Rs. 30/- per plant
10 th year maintenance	Rs. 32/- per plant
Total	Rs. 777/-

Area to be Diverted = 0.844 Ha.

No. of trees to be felled = 30

Plants to be damaged = 0

Plants to be planted = (Two time of the diverted area) = 1688

Area to be planted = (@1000 plants per ha.) = 1.688

Additional CA in lieu of plants to be damaged (Double the plants to be damaged) = 0

Fca case

S.No.	DESCRIPTION		Rate	Total Amount (Rs.)
(A)	Compensatory Afforestation charges			
	(1) 1 st year cost of afforestation	No. of plants		
	(2) 2 nd year maintenance	1688	Rs. 395/- per plant	666760
	(3) 3rd year maintenance	1688	Rs. 138/- per plant	232944
	(4) 4th year maintenance	1688	Rs. 55/- per plant	92840
	(5) 5th year maintenance	1688	Rs. 22/- per plant	37136
	(6) 6th year maintenance	1688	Rs. 24/- per plant	40512
	(7) 7th year maintenance	1688	Rs. 26/- per plant	43888
	(8) 8th year maintenance	1688	Rs. 27/- per plant	45576
	(9) 9th year maintenance	1688	Rs. 28/- per plant	47264
	(10) 10th year maintenance	1688	Rs. 30/- per plant	50640
	(11) Barbed wire fencing charge 6.752 RKM		Rs. 32/- per plant	54016
	Total Charge		@200000	1350400
	Supervisory/overhead/miscellaneous charge			2661976
	Total (A) CA Charges		10% on the total CA charge	266197
				2928173
B	Additional Compensatory Afforestation charges			
	(1) 1 st year cost of afforestation	0	Rs. 395/- per plant	0
	(2) 2 nd year maintenance	0	Rs. 138/- per plant	0
	(3) 3rd year maintenance	0	Rs. 55/- per plant	0
	(4) 4th year maintenance	0	Rs. 22/- per plant	0
	(5) 5th year maintenance	0	Rs. 24/- per plant	0
	(6) 6th year maintenance	0	Rs. 26/- per plant	0
	(7) 7th year maintenance	0	Rs. 27/- per plant	0
	(8) 8th year maintenance	0	Rs. 28/- per plant	0
	(9) 9th year maintenance	0	Rs. 28/- per plant	0

			Fca case
	(10) 10th year maintenance	0	Rs. 32/- per plant
	(11) Barbed wire fencing charge 0 RKM		@200000
	Sub Total (B) Total additional CA Charge		0
C	Penal CA		0
D	Catchment area Treatment		
	Soil an Moisture Conservation	30% of the toal CA	878452
	Sub Total (D)		878452
E.	Safety Zone		0
F	Any other Charges		0
	Sub Total (F)		0
G	Net Present Value of forest land to be diverted	Rs. 887000 per ha.	748628
H	1)Felling charge(30 Trees Volume 25.62 m ³)	Rs. 1200/- per m ³	30744
I	2) Plantation damage charges 0 plants	Rs. 236 per plants	0
	GRAND TOTAL (A+B+C+D+E+F+G+H+I+J) to be deposit in CAMPA		4585997

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details : Plantation will be done with 3 strand barbed wire
- b) Spacing : 4x2½ mtr. Plant planting
- c) Species : Shisham, Neem, Jamun etc.
- d) Plantation Method : Tall Plant
- e) Soil and Moisture Conservation Works : Yes
- f) Protection (Fencing, Watch man, People's Participation etc.): Fencing
- g) Proposed Monitoring Mechanism : M&E
- h) Any other information:-


Divisional Forests Officer
Sonepat.