

Full Title of the Project : Diversion of 0.014 ha. of forest land for construction of change of alignment of Karnal-Munak road MDR-115 k.m 24.375 to 25.200(Balace work) in distt. Karnal, Haryana.(CM Announcement no.20626)
File No- FP/HR/ROAD/146422/2021.
Date of Proposal :

CHECK LIST SERIAL NUMBER: 18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Name of the Forest/Reach to be diverted: Diversion of 0.014 ha. of forest land for construction of change of alignment of Karnal-Munak road MDR-115 k.m 24.375 to 25.200(Balace work) in distt. Karnal, Haryana.

Forest Area = 0.014 Hect.

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

Division :- **Karnal** District :- **Karnal**

Tehsil:- **Karnal** Range :- **Karnal**

C.A. Site name : **Railway Line K.m 104-108 L/R Side**

Afforested :- **0.110 Hec.(CA-110 no. of plants)**

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):-
No, the site selected for compensatory Afforestation is not a land bank. It is a Protected Forest land.
- b) If the CA site is other than the land bank, reasons be given:- **There is no land available in the land bank in Karnal. Plantation will be carried out in Protected Forest area.**
- c) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :- **C.A. will be carried out in Protected Forest area.**
 - i) Soil type: **Sandy Loam**
 - 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 is as under:

1. Schedule of Plantation Programme:-

Detail 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 inclusion with 10% per year future maintenance cost Norms

Year	Rate per Plant
1 st 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	

Area to be Diverted :- 0.014 ha.

No. of trees to be felled :- 11

Plants to be damaged:- 0

Plants to be planted (Ten time of the trees to be felled): 110 plants

Area to be Planted for CA = 0.110 ha@ 1000 plant per ha.=110 plants

Minimum Plants to be Planted: - (CA)110 Plants

CA RKM 110/250 = 0.44 RKM

Sr. No.	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	110 Plants	Rs. 395/- Per Plant	43450
	(2) 2 nd Year maintenance		Rs. 138/- Per Plant	15180
	(3) 3 rd Year maintenance		Rs. 55/- Per Plant	6050
	(4) 4 th Year maintenance		Rs. 22/- Per Plant	2420
	(5) 5 th Year maintenance		Rs. 24/- Per Plant	2640
	(6) 6 th Year maintenance		Rs. 26/- Per Plant	2860
	(7) 7 th Year maintenance		Rs. 27/- Per Plant	2970
	(8) 8 th Year maintenance		Rs. 28/- Per Plant	3080
	(9) 9 th Year maintenance		Rs. 30/- Per Plant	3300

	(10) 10 th Year maintenance		Rs. 32/- Per Plant	3520
	(11) Barbed wire fencing charge=0.44 RKM		Rs.200000/-Per RKM	88000
	Total CA Charges			173470
	Supervisory / Overhead / Miscellaneous Charges	10% on the CA charges		17347
	Sub Total (A) Total C.A. Charges			190817
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	0	Rs. 395/- Per Plant	0
	(2) 2 nd Year maintenance		Rs. 138/- Per Plant	0
	(3) 3 rd Year maintenance		Rs. 55/- Per Plant	0
	(4) 4 th Year maintenance		Rs. 22/- Per Plant	0
	(5) 5 th Year maintenance		Rs. 24/- Per Plant	0
	(6) 6 th Year maintenance		Rs. 26/- Per Plant	0
	(7) 7 th Year maintenance		Rs. 27/- Per Plant	0
	(8) 8 th Year maintenance		Rs. 28/- Per Plant	0
	(9) 9 th Year maintenance		Rs. 30/- Per Plant	0
	(10) 10 th Year maintenance		Rs. 32/- Per Plant	0
	Barbed wire fencing charge= RKM		Rs.200000/-Per RKM	0
	Sub Total (B) Total Addl. C.A. Charges			
C	Penal C.A.	-		NA
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges	30% of the Total CA		57245
	Sub Total (D)			57245
E	Safety Zone			NA
F	Additional Charges			
	Digital Demarcation Charges (approx)			
			
	Sub Total (F)			
G	Net Present Value of Forest Land to be diverted 0.014 Hect.	Rs. 957780/- per ha.		13408
H	Felling charges 8.77 m ³	Rs.1400 /- per m ³		12278
I	Plantation damage charges = Not app	Rs. 236/- per plant		0
	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund			273748

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With,
Railway Line K.m 104-108 L/R Side.
- b) **Spacing:-** 4m x 2½mtr a Part
- c) **Species:-** Neem & Shisham, Jamun/Jamoa etc.
- d) **Plantation method :-** Tall 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 work will be done by
RFO, DCF, CF & DCF (M&E)
- h) **Any other information :-** Nil

Place:- Karnal


Divisional Forest Officer,
Karnal Forest Division
Karnal. KARNAL