

Full Title of the Project : Diversion of 0.477 hec. of forest land used only for development of 6 lane access controlled Greenfield Highway of Shamli to Ambala Section from K.m Ch. 0+000 to Km Ch. 120+970(Total length: 120.970 Km) in the states of Uttar Pradesh, Haryana & Punjab under Bharatmala Pariyojana Phase II(Lot-9/Package-I).
File No- FP/HR/ROAD/153630/2022.

CHECK LIST SERIAL NUMBER: 18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Name of the Forest/Reach to be diverted: Diversion of 0.477 hec. of forest land used only for development of 6 lane access controlled Greenfield Highway of Shamli to Ambala Section from K.m Ch. 0+000 to Km Ch. 120+970(Total length: 120.970 Km) in the states of Uttar Pradesh, Haryana & Punjab under Bharatmala Pariyojana Phase II(Lot-9/Package-I).

Forest Area = 0.477 Hect.

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

Division :- Karnal District :- Karnal
Tehsil:- Indri Range :- Indri

C.A. Site name : Yamuna Bandh RD 23-50 .

Afforested :- 0.954 Hec.(954 plants TP)

- 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 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 :- 0.477 ha.

No. of trees to be felled :- 61

Plants to be damaged:- 0

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

Area to be Planted for CA = $0.477 \times 2 = 0.954$ ha @ 1000 plant per ha. = 954 plants

Area to be Planted for ACA = NA

Minimum Plants to be Planted: - (CA) 954 Plants

CA RKM 954/250 = 3.816 RKM

Sr. No.	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	954 Plants	Rs. 395/- Per Plant	376830
	(2) 2 nd Year maintenance		Rs. 138/- Per Plant	131652
	(3) 3 rd Year maintenance		Rs. 55/- Per Plant	52470
	(4) 4 th Year maintenance		Rs. 22/- Per Plant	20988
	(5) 5 th Year maintenance		Rs. 24/- Per Plant	22896
	(6) 6 th Year maintenance		Rs. 26/- Per Plant	24804

	(7) 7 th Year maintenance		Rs. 27/- Per Plant	25758
	(8) 8 th Year maintenance		Rs. 28/- Per Plant	26712
	(9) 9 th Year maintenance		Rs. 30/- Per Plant	28620
	(10) 10 th Year maintenance		Rs. 32/- Per Plant	30528
	Supervisory / Overhead / Miscellaneous Charges		10% of the CA charges	74126
	Total CA			815384
	Barbed wire fencing charge			763200
	Sub Total (A)			1578584
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			0
	Sub Total (B) Total Addl. C.A. Charges			0
C	Penal C.A.			0
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the CA	0
	Sub Total (D)			0
E	Safety Zone			0
F	Additional Charges			
	Digital Demarcation Charges (approx)			0
			
	Sub Total (F)			0
G	Plantation damage charges = Not app		Rs. 236/- per plant	0
	GRAND TOTAL (A+B+C+D+E+F+G) to be deposited in CAMPA Fund			1578584

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With,
Yamuna Bandh RD 23-50
- 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,
Divisional Forest Office,
Karnal Forest Division
KARNAL

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NPV to be deposit

<u>Name of Division & Distt.</u>	:	Karnal
<u>Area to be diverted</u>	:	0.477 ha.(Karnal)
<u>Total Trees to be felled</u>	:	61 no.
<u>Total Plants to be damaged</u>	:	0 no.
<u>Density of Vegetation</u>	:	0.1
<u>ECO Class</u>	:	III
<u>Rate of NPV@</u>	:	957780/-
<u>Total Cost of NPV</u>	:	0.477 x 957780
	=	456862/-

Place:- Karnal


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Karnal Forest Division,
Karnal.
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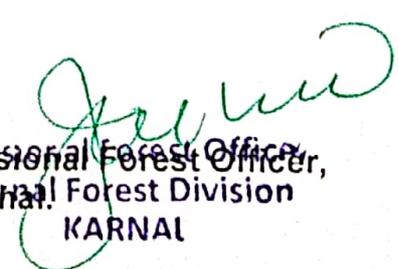
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Felling Charges

<u>Name of Division & Distt.</u>	:	Karnal
<u>Area to be diverted (Karnal Division)</u>	:	0.477 ha.
<u>Total Trees to be felled</u>	:	61 no.
<u>Total Plants to be damaged</u>	:	00 no.
<u>Tree Felling Volume in m3</u>	:	37.24m3
<u>Rate of Felling @</u>	:	1400/-
<u>Total Charges of Felling</u>	:	37.24 x 1400
	=	52136/-

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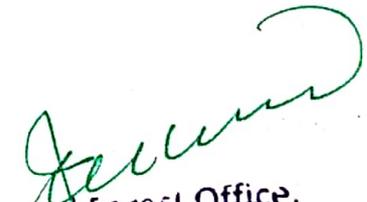
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Amount to be deposit

<u>CA amount to be deposit</u>	:	1578584
<u>NPV amount to be deposit (Karnal Division)</u>	:	456862
<u>Felling charges to be deposit</u>	:	52136
<u>Total amount to be deposit (Karnal Division)</u>	:	2087582/-

Place:- Karnal


Divisional Forest Officer,
Karnal Forest Division
KARNAL