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Full Title of the Project : Diversion of 5.30 ha. of forest land for construction of western in Bye-Pass(Hon'ble CM Top Priority Project Karnal) KM 6.300 to 11.400 from Karnal-Kaithal road to Munak road on left bank of WJC main branch from RD 81426 to 96000 in Tehsil Karnal under Forest Division & Distt. Karnal(Haryana).

File No. : FP/HR/ROAD/42560/2019

Date of Proposal : 19.10.2019

CHECK LIST SERIAL NUMBER: 18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Name of the Forest/Reach to be diverted: Diversion of 5.30 ha. of forest land for construction of western in Bye-Pass(Hon'ble CM Top Priority Project Karnal) KM 6.300 to 11.400 from Karnal-Kaithal road to Munak road on left bank of WJC main branch from RD 81426 to 96000 in Tehsil Karnal under Forest Division & Distt. Karnal(Haryana).

Forest Area = 5.30 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 : Non Forest Land (Along New Constructed roads) x P F

Sambli to Prem Khera road(0.8494), Shamgarh to Bhaini Khurad road(1.2701), Badshai Pul to Village Pakhana road (2.99 ha.), Musepur to Indri Garhi Birbal road(0.6028 ha.) Sikri to Butana road(2.30 ha.), Sambhli to Ramana road(1.73 ha.), Bairsal to Birmajra road(0.8658 ha.), Aungadh to Kaithal road(2.1104 ha.), Karnal Munak road near Hanuman Gate to Bhusli road(0.8307 ha.), PF Indri Escape, Mairi Ghat to Sangha Pul

Afforested :- 13.300 Hec.(CA-5300 + ACA-8000=13300 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 Non Forest land provided by User Agency.
- 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 Non Forest area provided by user agency.**
- 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. & Add. C.A will be carried out in Non Forest area.**
 - i) Soil type: Sandy Loam

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- 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 :- **5.30 ha.**

No. of trees to be felled :- 488

Plants to be damaged:- 4000

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

Area to be Planted for CA+ACA = 13.300 ha@ 1000 plant per ha.=13300 plants

Minimum Plants to be Planted: - (CA)5300 Plants + (ACA) 8000 Plants

CA+ACA RKM 13300/250 = 53.2 RKM

Sr. No.	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	5300 Plants	Rs. 395/- Per Plant	2093500
	(2) 2 nd Year maintenance		Rs. 138/- Per Plant	731400
	(3) 3 rd Year maintenance		Rs. 55/- Per Plant	291500
	(4) 4 th Year maintenance		Rs. 22/- Per Plant	116600
	(5) 5 th Year maintenance		Rs. 24/- Per Plant	127200
	(6) 6 th Year maintenance		Rs. 26/- Per Plant	137800
	(7) 7 th Year maintenance		Rs. 27/- Per Plant	143100
	(8) 8 th Year maintenance		Rs. 28/- Per Plant	148400
	(9) 9 th Year maintenance		Rs. 30/- Per Plant	159000
	(10) 10 th Year maintenance		Rs. 32/- Per Plant	169600
	(11) Barbed wire fencing charge=21.2 RKM		Rs.200000/-Per RKM	4240000
	Total CA Charges			8358100
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	835810
	Sub Total (A) Total C.A. Charges			9193910
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	8000	Rs. 395/- Per Plant	3160000
	(2) 2 nd Year maintenance		Rs. 138/- Per Plant	1104000
	(3) 3 rd Year maintenance		Rs. 55/- Per Plant	440000
	(4) 4 th Year maintenance		Rs. 22/- Per Plant	176000
	(5) 5 th Year maintenance		Rs. 24/- Per Plant	192000
	(6) 6 th Year maintenance		Rs. 26/- Per Plant	208000
	(7) 7 th Year maintenance		Rs. 27/- Per Plant	216000
	(8) 8 th Year maintenance		Rs. 28/- Per Plant	224000
	(9) 9 th Year maintenance		Rs. 30/- Per Plant	240000
	(10) 10 th Year maintenance		Rs. 32/- Per Plant	256000
	Barbed wire fencing charge= 32RKM		Rs.200000/-Per RKM	6400000
	Sub Total (B) Total Addl. C.A. Charges			12616000
C	Penal C.A.	-		NA
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the Total CA	2758173
	Sub Total (D)			2758173
E	Safety Zone			NA

F	Additional Charges		
	Digital Demarcation Charges (approx)		500000
		
	Sub Total (F)		500000
G	Net Present Value of Forest Land to be diverted 5.3 Hect.	Rs. 887000/- per ha.	4701100
H	Felling charges 473.68 m ³	Rs.1400 /- per m ³	663152
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		30432335

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With,
Non Forest Land (Along New Construction of roads)

Sambli to Prem Khera road(0.8494), Shamgarh to Bhaini Khurad road(1.2701), Badshai Pul to Village Pakhana road (2.99 ha.), Musepur to Indri Garhi Birbal road(0.6028 ha.)Sikri to Butana road(2.30 ha.), Sambhli to Ramana road(1.73 ha.), Bairsal to Birmajra road(0.8658 ha.), Aungadh to Kaithal road(2.1104 ha.), Karnal Munak road near Hanuman Gate to Bhusli road(0.8307 ha.), PF Indri Escape.

- 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