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Full Title of the Project: Diversion of 1.812 ha. forest land for construction of 2 lane ROB at Bhiwani-Hansi road to Tosham Bye Pass road at L.C. No. 54-A under forest Division Bhiwani

File No. : FCA

FP/HR/Road/42775/2019

Date of Submission:

CHECK LIST SERIAL NUMBER: 16

SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF/DFO

(For the Forest land to be diverted under FCA)

A proposal has been received by this office from Nodal Officer and Conservator of Forests (FC) for diversion (under FCA-1980) of **1.812 ha.** of forest land for non-forestry purpose. The subject envisages the use of forest land for construction of 2 lane ROB at Bhiwani-Hansi road to Tosham Bye Pass road at L.C. No. 54-A

The site inspection of the land involved in the proposal has been done by me on dated 23.6.2020

117 .Nos.of trees are felling involved and seven poll size plants would be damaged.

- 2 On inspection of the site, it is found that the land required by the user agency is a forest area measuring **1.812 ha.**
- 3 The requirement of forest land as proposed by the user agency in Col. 2 of part-I is unavoidable and is barest minimum required for the project.
- 4 Whether any rare/ endangered/ unique species of flora and fauna found in the area. If so, the details thereof.NIL
- 5 Whether any protected archaeological/ heritage site/ defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from the competent authority.NIL
- 6 (a) The user agency has not violated the provisions of Forest (Conservation) Act, 1980 and no work has been started without proper sanction.
- 7 (b) It has been found that the user agency has violated the provisions of the Forest (Conservation) Act, 1980 Indian Forest Act, 1927/ any other forest Act. A detailed report as per para 1.9 of Chapter 1, Part C of Hand-book of Forest (Conservation) Act, 1980 is attached).

(Note: Whichever of the above is applicable should be shown in bold letters)

Specific recommendation for acceptance or otherwise of the proposal.

May be considered for approval

Place :.....Bhiwani.

Date:23..06 2020 .

(Signature)

Name **Divisional Forest Officer**
Designation **BHIWANI FOREST DIVISION**
Seal **BHIWANI**

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LOCATION MAP

Location Map of Non-forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of the proposal for diversion of 1.812 ha. forest land for construction of 2 lane ROB at Bhiwani-Hansi road to Tosham Bye Pass road at L.C. No. 54-A, under forest Divin. Bhiwani

Village: _____ Tehsil _____ District: _____ Forest
Division Bhiwani. _____ Forest Range:- Bhiwani Block No./Compartment
No./Survey No.:- _____ Area:- 3.63 ha.

Mitathal Feeder From RD 60 to 88 L&R

Divisional Forest Officer.

Divisonal Forest Officer

Bhiwani Forest Division

BHIWANI FOREST DIVISION

BHIWANI

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"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted: Bhiwani-Tosham bypass road
 Diversion of forest land for2-lane ROB.....
 Forest Area =1.81..... ha.

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

Mitathal Feeder from RD 60 to 88 L&R
 DivisionBhiwani..... District ..Bhiwani.....
 Tehsil Range Bhiwani

Area to be Afforested :- 3.63 ha.

- 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:-
 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
 - ii) Topography a. Hilly/Undulating/Plain:
 b. Slope:-Steep/Medium/Gentle:
 - iii) Whether the area is bearing any root stock of vegetation:-

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 of Rs. 347.08 per day as under:-

Year	Rate per Plant
1 st Year cost of afforestation	Rs. 381.28/- Per Plant
2 nd Year maintenance	Rs. 122.48/- Per Plant
3 rd Year maintenance	Rs. 44.48/- Per Plant
4 th Year maintenance	Rs. 16.54/- Per Plant
5 th Year maintenance	Rs. 16.54/- Per Plant
6 th Year maintenance	Rs. 16.54/- Per Plant
7 th Year maintenance	Rs. 16.54/- Per Plant
8 th Year maintenance	Rs. 16.54/- Per Plant
9 th Year maintenance	Rs. 16.54/- Per Plant
10 th Year maintenance	Rs. 16.54/- Per Plant
Total	Rs. 664.02

Area to be Diverted : 1.81 ha.

No. of Trees to be felled : 117 nos.

No. of Plants to be damaged : 7 nos..

Area to be planted under normal CA : $1.81 \times 2 = 3.62$ (Ten times/Double the area to be diverted)
 $3.62 \times 10 = 3620$ nos.

Plants to be Planted under normal CA : 3.62 (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = $7 \times 2 = 14$ nos.

Area to planted under Addl. CA : 0.014 (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : $3.62 + 0.014 = 3.63$ ha.

Total Area to be planted (CA+Addl.CA) : 3.63 ha. (@ 1000 plants per ha.)

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	3620 nos.	Rs. 381.28/- Per Plant	1380233
	(2) 2 nd Year maintenance		Rs. 122.48/- Per Plant	443377
	(3) 3 rd Year maintenance		Rs. 44.48/- Per Plant	161017
	(4) 4 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(5) 5 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(6) 6 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(7) 7 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(8) 8 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(9) 9 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(10) 10 th Year maintenance		Rs. 16.54/- Per Plant	59874
	(11) Barbed wire fencing charge = 14.48 RKM Both side $2 \times 14.48 = 28.96$ RKM		Rs. 200000/- Per RKM	5792000
	Total Charges			8195745
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	819574
	Sub Total (A) Total C.A. Charges			9015319
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	$7 \times 2 = 14$	Rs. 381.28/- Per Plant	5337
	(2) 2 nd Year maintenance		Rs. 122.48/- Per Plant	1714

	(3) 3 rd Year maintenance		Rs. 44.48/- Per Plant	622
	(4) 4 th Year maintenance		Rs. 16.54/- Per Plant	231
	(5) 5 th Year maintenance		Rs. 16.54/- Per Plant	231
	(6) 6 th Year maintenance		Rs. 16.54/- Per Plant	231
	(7) 7 th Year maintenance		Rs. 16.54/- Per Plant	231
	(8) 8 th Year maintenance		Rs. 16.54/- Per Plant	231
	(9) 9 th Year maintenance		Rs. 16.54/- Per Plant	231
	(10) 10 th Year maintenance		Rs. 16.54/- Per Plant	231
	(11) Barbed wire fencing charge=0.056x2=0.112 RKM		Rs.200000/- Per RKM	22400
	Sub Total (B) Total Addl. C.A. Charges			31690
C	Penal C.A.			
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the Total CA	2714102
	Sub Total (D)			
E	Safety Zone			
F	Additional Charges			
	Survey and demarcation			100000
	Purchase of auger			150000
	Sub Total (F)			
G	Net Present Value of Forest Land to be diverted = 1.81 ha.		Rs. 887000/- per ha.	1605470
H	Felling charges = 40.59m ³		Rs.1200 /- per m ³	48708
	GRAND TOTAL (A+B+D+E+F+G+H+I) to be deposited in CAMPA Fund			13665289

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) Spacement:- 4 × 2½ meter
- c) Species:- Sisham, Jamun, Siras, Lashura, Bakin, P.Papri
- d) Plantation Method :- Tall Plant..... Plantation
- e) Soil and Moisture Conservation Works
- f) Protection (Fencing, Watch man, People's Participation etc.):- Fencing
- g) Proposed Monitoring Mechanism:- (M&E),
- h) Any Other information:- Nil.


 Divisional Forest Officer
 BHIWANI FOREST DIVISION
 BHIWANI

CERTIFICATE

Certified that Mitathal Feeder from RD 60 to 88 L&R has been inspected by the undersigned and suitable for plantation under Compensatory Afforestation. Since, the aforesaid land has been declared as Protected Forest. Hence the land is in the legal occupation of Forest Deptt. The aforesaid land is free from encroachment and encumbrances.


Divisional Forest Officer
Bhiwani
BHIWANI FOREST DIVISION
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LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 3.63 ha. land bearing Survey No./ Compartment No H43W1 of village **Mitathal Feeder from RD 60 to 88 L&R** Tehsil/Range **Bhiwani** District **Bhiwani** identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view from is free and all sorts of encumbrances and encroachments

- | | | | | |
|----|----------------------------------|--------------|--------------------------------------|--------------------------------------|
| 1. | Mitathal feeder
.RD 60-88 L&R | 10.
(Ha.) | 28*57'55.51"N
to
28*53'51.93"N | 76*12'38.95"E
to
76*11'27.24"E |
|----|----------------------------------|--------------|--------------------------------------|--------------------------------------|


 Divisional Forest Officer
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