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Full Title of the Project : Diversion of 0.4738 Ha. Forest land for widening and strengthening of Nizampur Khetri road from Nizampur Chowk to Rajasthan Border, km 0-2 L/R under Forest Division and District Mahendergarh, Haryana.
File No. : FP/HR/Road/147536/2021
Date of Proposal : 21-09-2021

CHECK LIST SERIAL NUMBER :- 18 "SCHEME FOR C.A. " (Model-1)

Name of the Forest/Reach to be diverted for widening and strengthening of Nizampur Khetri road from Nizampur Chowk to Rajasthan Border, km 0-2 L/R under Forest Division and District Mahendergarh, Haryana.
Forest Area = 0.4738 ha.

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

Division: Mahendergarh District: Mahendergarh Range: Nangal Chauydhary C.A.

Site Name: Ganwari Jat Bund to be afforested:-

- i) Whether the site selected for Compensatory Afforestation is a Land bank or
Not: - No, the site selected for compensatory afforestation is not a land bank.
- ii) If the CA site is other than the land bank, reasons are given: - There is no land bank in District Mahendergarh. **Plantation will be done at Protected Forest area.**
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-
- iii) Soil type Sandy Loam
- iv) Topography a. Hilly/Undulating/Plain:
b. Slope: - Steep/Medium/Gentle
- v) Whether the area is bearing any root stock of vegetation:-Mesquite.

Plantation Model :-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under;

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

The Estimated cost of plantation & Maintenance of 1816 Plants for next ten year by revising the CA Scheme rate rupees 679.35 per plants from existing wage rate Rs. 363.77/- per day to Rs. 400/- per day, increasing 10% for the year 2022-23 as under :-

S.No.	Year	Rate Per Plant
1	1 st Year Plantation	Rs. 348.59/- Per Plant
2	2 nd Year Plantation	Rs. 120.37/- Per Plant
3	3 rd Year Plantation	Rs. 71.00/- Per Plant
4	4 th Year Plantation	Rs. 14.69/- Per Plant
5	5 th Year Plantation	Rs. 16.15/- Per Plant
6	6 th Year Plantation	Rs. 17.78/- Per Plant
7	7 th Year Plantation	Rs. 19.55/- Per Plant
8	8 th Year Plantation	Rs. 21.51/- Per Plant
9	9 th Year Plantation	Rs. 23.67/- Per Plant
10	10 th Year Plantation	Rs. 26.04/- Per Plant
Total Cost		Rs. 679.35

Area to be Diverted : 0.4738 ha.

No. of Trees to be felled : 100 No.

No. of Plants to be damaged :408 nos.

Area to be planted under normal CA : **1.0 ha.** (Ten time of damaged trees)

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

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= **816** Plants

Area to planted under Addl. CA : **0.816** ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : **1816**

Total Area to be planted (CA+Addl.CA) : **1.816** ha. (@ 1000 plants per ha.)

A	Compensatory Afforestation Charges	No. of Plants	Rate	Total Amount (Rs.)
	(1) 1 st Year cost of afforestation	1000	Rs. 348.59/- Per Plant	348592
	(2) 2 nd Year maintenance	1000	Rs. 120.37/- Per Plant	120367
	(3) 3 rd Year maintenance	1000	Rs. 71.00/- Per Plant	70996
	(4) 4 th Year maintenance	1000	Rs. 14.69/- Per Plant	14691
	(5) 5 th Year Maintenance	1000	Rs. 16.15/- Per Plant	16154
	(6) 6 th Year Maintenance	1000	Rs. 17.78/- Per Plant	17784
	(7) 7 th Year Maintenance	1000	Rs. 19.55/- Per Plant	19552
	(8) 8 th Year Maintenance	1000	Rs. 21.51/- Per Plant	21512
	(9) 9 th Year Maintenance	1000	Rs. 23.67/- Per Plant	23666
	(10) 10 th Year Maintenance	1000	Rs. 26.04/- Per Plant	26041
	(11) Barbed wire fencing charge	3 RKM	Rs. 200000/- Per RKM	600000
	Total charges			1279355
	Supervisory/Overhead/Miscellaneous Charges		10% on the total CA charges	127936
	Sub Total (A) C.A. charges			1407291

B	Additional Compensatory Afforestation Charges	No. of Plants	Rate	Total Amount (Rs.)
	(1) 1 st Year cost of afforestation	816	Rs. 348.59/- Per Plant	284451
	(2) 2 nd Year maintenance	816	Rs. 120.37/- Per Plant	98220
	(3) 3 rd Year maintenance	816	Rs. 71.00/- Per Plant	57933
	(4) 4 th Year maintenance	816	Rs. 14.69/- Per Plant	11988
	(5) 5 th Year Maintenance	816	Rs. 16.15/- Per Plant	13182
	(6) 6 th Year Maintenance	816	Rs. 17.78/- Per Plant	14511
	(7) 7 th Year Maintenance	816	Rs. 19.55/- Per Plant	15954
	(8) 8 th Year Maintenance	816	Rs. 21.51/- Per Plant	17554
	(9) 9 th Year Maintenance	816	Rs. 23.67/- Per Plant	19311
	(10) th Year Maintenance	816	Rs. 26.04/- Per Plant	21249
	(11) Barbed wire fencing charge	2 rkm	Rs. 200000/- Per RKM	400000
	Sub Total (B) Total addl. C.A. charges			954353
C	Penal CA			0
D	Catchments Area Treatment			
	Soil and Moisture Conservation charges		30% of total CA	626974
	Sub Total (D)			626974
E	Safety Zone			0
F	Additional Charges			0
	i) Chain link fencing	0	0	0
	ii) Pipeline fitting for multiple water points			0
	iii) Survey & demarcation			20000
	iv) Plantation Sine board			5000
	Sub Total (F)			25000
G	Net Present Value of Forest Land to be diverted	0.4738	957780 per ha.	453796
H	Felling charges	47.05	1200 per cum	56460
	Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund			3319087

2. Technical details :-

Technical details of Compensatory Afforestation Scheme are as follows :-

- General Details :- Plantation will be done with 3 strand barbed wire in Protected Forest area Ganwari Jat Bund.
- Spacement :- 4 x 4 meter

- (c) Species :- **Azadirachta indica, Holoptelea integrifolia, Ficus benghalensis, Ficus religiosa, Zyzyphus mauritiana, Albizia lebbeck 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 :- **(M & E)**
- (h) Any other information: - **N.A.**


Divisional Forest Officer
Mahendragiri Forest Division

Note: - CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.