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FP/HP/MIN/119019/2021

SCHEME FOR COMPENSATORY AFFORESTATION

Detailed scheme for 3.53 hect Compensatory Afforestation and its maintenance for 10 year to be carried out in lieu of 1.7674 ha, of forest area to be diverted for mining lease for extraction of sand, stone and Bajari in Son Khad Part-III Muhal kalswai- Kh. No. 1334/1. Tehsil Dharampur, Distt. Mandi, HP.

1. Details of degraded forest land /non-forest land..

Village: Kalswai

Distt. Mandi

Range : Dharampur

Block/ Compartment/ Survey No. 53A/13.

Area to be afforested: 3.53 hac.

2. Description of the Area:-

- i) Whether the site selected for Compensatory Afforestation is a land bank or not Yes.
- ii) If the CA site is other than the land bank, reasons be given- No
- iii) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: Forest Area
- iv) Soil type- Sandy Loam
- v) Topography:
 - (a) Hilly/ Undulating/ Plain - Hilly
 - (b) Slope Steep/ Medium/Gentle Medium.
- vi) Whether the area is bearing any root stock of vegetation. Buses

3. **Plantation Model** Copy of the approved Compensatory Afforestation Scheme /Model showing component wise physical and financial break up to be enclosed.

4. Estimate for Compensatory afforestation to be carried out in lieu of area diverted under FCA, 1980 (For one hect. area)

- A. Compensatory Afforestation (1100) Plants/Ha) with RCC Fence Posts and 4 stand Barbed wire Fencing as per letter No. Ft. State CAMPA/ 2010/ Norms/ Vol.II dated 21-06-2021 of Pr.CCF.(HoFF) HP.

-Cost per ha. (Exclusive of cost of plants)= 83,660/-

-Cost of plants (1100 No. i.e. $1100 \times 19.78 = 21.758/-$

-Total Cost = Rs. 1,05,418/-

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B Maintenance for ten years

(As per PrCCF(HoFF) HP Shimla letter No. Ft. CAMPA/ 2010/Norms/ Vol.II dated 21-06-2021)

Maintenance (Wages)		
1.	1 st Year Maintenance	9100
2.	2 nd Year maintenance	6140
3.	3 rd Year maintenance	3180
4.	4 th Year maintenance	3180
5	5 th Year maintenance	3180
6	6 th Year maintenance	3180
7	7 th Year maintenance	3180
8	8 th Year maintenance	3180
9	9 th Year maintenance	3180
10	10 th Year maintenance	3180
	Total	40,680/-
	Total A+B	1,46,098/-
	For 3.53 hact. for CA	5,15,726/-
Maintenance Cost of Plants		
	Add cost of plants 1 st year = 1165 Nos. (i.e 30% of total number planted in planting year), 2 nd year= 777 Nos. (i.e 20% of total number planted in planting year), 3 rd year =388 (i.e 10% of total number planted in planting year) Total- 2330 Nos @ 19.78/- per plants	46,087/-
C	Soil Conservation Works	
	Vegetative, Dry Stone, Brushwood check dam	30,000/-
D	Lantana Eradication works I/C maintenance	22,000/-
	Total cost per hect. i.e A+B++C+D: 105418+40680+30000+22000=	1,98,098/-
	For 3.53 hect for CA Wages	6,99,286/-
	Total	7,45,370/-
	Add 5% contingency charges	37,269/-
	Total	7,82,639/-
	Add 17.50 % Departmental charges	1,36,962/-
	Total	9,19,601/-

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5. Schedule of Plantation Programme:-

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

Year	Area	Rate/ha.	Total amount
0 th Year	3.53 ha.	105418/-	3,72,126/-
1 st Year	-do-	9100/-	32,123/-
2 nd Year	-do-	6140/-	21,674/-
3 rd Year	-do-	3180	11,225/-
4 th Year	-do-	3180	11,225/-
5 th Year	-do-	3180	11,225/-
6 th Year	-do-	3180	11,225/-
7 th Year	-do-	3180	11,225/-
8 th Year	-do-	3180	11,225/-
9 th Year	-do-	3180	11,225/-
10 th Year	-do-	3180	11,225/-
Total A(i)			5,15,723/-
(A-ii) Cost of Plants 2330 Nos.	19.78		46,087/-
Total-A			5,61,810/-
B(i) Soil conservation works	3.53	30000/-	1,05,900/-
B (ii) Lantana eradication	3.53	22000/-	77,660/-
Total -B			1,83,560/-
Total A+B			7,45,370/-
Contingency @ 5%			37,269/-
Total			7,82,639/-
Department charges @ 17.5%			1,36,962/-
Total			9,19,601/-

6. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General details:- Plantation will be done through Pit method as per plantation norms.
- Spacing:- Pits of size 45 x 45 x 45 cm and 30x30x30 cm will be used for planting of 60% naked root stock and 40% P/Bag stock.
- Species Based on locality/ site factors, local demand of people and will be mostly -Khair (Acacia catechu), Daru (Punica granapum) Kachnar (Bauhinia variagata) Ambala (Phyllanthus emblica).
- Plantation Method:- Pit planting method.
- Soil and Moisture Conservation Works:- 25% of afforestation cost.
- Protection (Fencing Watchman, People's participation etc):- B/wire fencing using concrete same posts.
- Proposed monitoring Mechanism:- By higher authority, Monitoring and Evaluation and divisional level.
- Any other information:- nil

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Forest Division, Joginder Nagar.
Joginder Nagar