

Title of the Project: Lower Kupan-II Small Hydro Electric Project

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER-17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 2.3307 ha of forest area to be diverted for construction of **Lower Kurpan -II Hydro Electric Project** in **Kullu Distt.**

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

District:- Kullu Tehsil :- Nirmand

Name of Forest Division Ani at Luhri Range: - Nither

Block/Compartment/Survey No. Chalandidhar (UPF Shanah) Area to be afforested:- 4.6614 hac.

2. **Description of 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:- **Not applicable**

iii) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- _____

iv) Soil type:- Clayey loam

v) Topography :-

a. Hilly/undulating/plain

b. Slope: Steep/Medium/Gentle.

vi) Whether the area is bearing any root stock of vegetation:- No.

3. **Plantation Model:-**

Copy of the Compensatory Afforestation Scheme/model showing component wise physical and financial break up is enclosed.

4. **Schedule of plantation programme:-**

Detail of year wise break-up of requirement of funds is attached:-

5. **Technical details:-**

Technical details of compensatory afforestation scheme are as follows:-

- (a) **General details:** - An area of the 5 hac will be taken up for planting under compensatory afforestation scheme in land bank in a single compact patch. The area will be protected by Barbed wire fencing and a mixture of conifer and broad-leaved species will be planted. 1100 plants will be planted per hectare.
- (b) **Spacing:-** 3 mtr X 3 mtr
- (c) **Species:-** Chill & B.L.
- (d) **Plantation Method:-** Nursery grown 1 year old plants (in Polythene bags as well as naked root) will be planted in 30 X 30 X 30 cm. pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beating up of failures will be done. The plantation will be rainfed.
- (e) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil Conservation Works like gully plugging, check walls be done where ever required.
- (f) **Protection (Fencing, Watch man, People's Participation etc.):**- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular department staff.
- (g) **Proposed monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from moterable road.
- (h) **Any other information:** - Nil

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
COMPENSATORY AFFORESTATION IN LIEU OF DIVERSION OF 2.3307 HECTARE OF FOREST LAND IN FAVOUR OF PRABHA POWER PRIVATE Ltd. FOR THE C/O 4.8 MW Kurpan-II IN ANI FOREST DIVISION AT LUHRI DISTT. KULLU H.P.

of plantation and maintenance of old plantation for Non - Tribal for the year 2021-2022 applicable vide Pr.CCF (HoFF) H.P. Shimla memo. No. Ft. State CAMPA/20210/Norms/Vol.III dated 21.06.2021

Particulars of work	Area (in Hect.)	Plantation Norm per Hect.	Plantation cost	Plants to be planted per hec.	Total no of plants to be planted	Nursery cost per plant	Total Nursery Cost	Total Plantation cost+Total nursery cost (Col. 4+8)	Year of Execution of Works	Add10% Escalation for undertaking works in subsequent year	Total Amount (Col. 9+11)	
	1	2	3	4	5	6	7	8	9	10	11	12
A. Initial cost for raising compensatory afforestation over an area of 4.6614 Hectare :-												
0 Year/new plantation	4.6614	83660	389973	1100	5128	23.24	119164	509137	2022-23		50914	560050
soil & Moisture Coservation Work @25 % of Planting Cost												140013
Total -A											700063	

B. Maintenance Cost for raising Compensatory Afforestation :-												
1st year maintenance	4.6614	9100	42419	330	1538	23.24	35749	78168	2023-24		15634	93802
2nd year maintenance	4.6614	6140	28621	220	1026	23.24	23833	52454	2024-25		15736	68190
3rd year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2025-26		10696	37436
4th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2026-27		13370	40109
5th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2027-28		16044	42783
6th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2028-29		18718	45457
7th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2029-30		21392	48131
8th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2030-31		24066	50805
9th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2031-32		26740	53479
10th year maintenance	4.6614	3180	14823	110	513	23.24	11916	26740	2032-33		29414	56153
Total-B											536347	
Total -A+B											1236410	
Add Contingencies Charges @5%											61820	
Add Departmental Charges of Supervision @17.5%											216372	
Total											1298230	
Grand Total											1514602	

(Rupees Fifteen lac fourteen thousand six hundred and two Only)


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 Divisional Forest Officer
 Anil Forest Division at Luhri