

Full title of the project: C/o Lower Kurpan-II Small Hydro Electric Project (4.0 MW)

File No.:

Date of proposal:

CHECK LIST SERIAL NUMBER-17
SCHEME FOR COMPENSATORY AFFORESTATION.

Detail scheme for compensatory afforestation to be carried out in lieu of 0-56-19 ha. of forest area to be diverted for construction of transmission line from Duttanagar to Nogli Sub-station in Tehsil Rampur of Shimla District.

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

District:- Shimla Village:- Chiksa
Tehsil:- Rampur Bushahr
Name of Forest Division:- Rampur Bushahr Range:- Rampur Range
Block No./Compartment No. /Survey No. 53 E/11 UF:- Chiksa
Area to be afforested: 1.1238 ha.

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 form A, then what is the distance of CA site from the adjoining forest boundary:- Not applicable
- 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 approved 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 as under:-

Year	Area	Rate	Amount
0 year i.e. year plantation	1.1238 ha.	109224	135021
1 st year maintenance	1.1238 ha.	16769	22614
2 nd year maintenance	1.1238 ha.	11253	16440
3 rd year maintenance	1.1238 ha.	5736	9025
4 th year maintenance	1.1238 ha.	5736	9670
5 th year maintenance	1.1238 ha.	5736	10315
6 th year maintenance	1.1238 ha.	5736	10959
7 th year maintenance	1.1238 ha.	5736	11604
8 th year maintenance	1.1238 ha.	5736	12248
9 th year maintenance	1.1238 ha.	5736	12893
10 th year maintenance	1.1238 ha.	5736	13538
		Total	264326

Contingency Charges @ 5%	13216
Total cost of CA Scheme	277543
Departmental charges @ 17.5%	48570
G. Total	326113

5. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

- (a) General Details:- An area of 1.1238 ha. will be taken up for planting under compensatory afforestation scheme in UF-Chiksa 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) Spacement:- 2.5 mtrs x 2.5 mtr
- (c) Species:- Conifer & other broad leave species.
- (d) Plantation Method:-Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 45x45x45 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 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, Watchman, 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 departmental 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 sites will be approachable from Rampur Taklech Shraikoti road.
- (h) Any other information:- Nil.

DA-18

Dy. Conservator of Forest,
Rampur Forest Division,
Rampur Bushahr, H.P.

Office Seal **Dy Conservator of Forests
Rampur Forest Division
Rampur Bushahr (H.P.)**

**REVISED SCHEME FOR COMPENSATORY AFFORESTATION IN RESPECT OF DIVERSION OF LAND FOR
CONSTRUCTION OF TRANSMISSION LINE LOWER KURPAN SHEP-II (4.8MW) WITHIN THE JURISDICTION OF
RAMPUR FOREST DIVISION.**

Area proposed for Compensatory Afforestation in hac.					1.1238 hac			
Name of the proposed plantation area					UF Chiksa			
Number of Plants to be planted per hectare					1100			
Total number of plants to be planted in proposed area					1236			
Species to be planted in proposed area					Conifer & Broad leave species			
Particulars of works	Unit cost at wage structure for 2021-22	No of plants	Cost of plants @ Rs. 23.24/-	Unit cost at wage structure for 2021-22 including cost of plant	Year of execution of works	Cost escalation	Unit cost after applying cost escalation	Total amount
Initial cost for raising compensatory Afforestation over an area of 1.1238 hectare	83660	1100	25564	109224	2021-22	10%	120146	135021
1 st year maintenance	9100	330	7669	16769	2022-23	20%	20123.04	22614
2 nd year maintenance	6140	220	5113	11253	2023-24	30%	14628.64	16440
3 rd year maintenance	3180	110	2556	5736	2024-25	40%	8030.96	9025
4 th year maintenance	3180	110	2556	5736	2025-26	50%	8604.6	9670
5 th year maintenance	3180	110	2556	5736	2026-27	60%	9178.24	10315
6 th year maintenance	3180	110	2556	5736	2027-28	70%	9751.88	10959
7 th year maintenance	3180	110	2556	5736	2028-29	80%	10325.52	11604
8 th year maintenance	3180	110	2556	5736	2029-30	90%	10899.16	12248
9 th year maintenance	3180	110	2556	5736	2030-31	100%	11472.8	12893
10 th year maintenance	3180	110	2556	5736	2031-32	110%	12046.44	13538
Total =								264326
Contingencies Charges @ 5%								13216
Total cost of CA Scheme								277543
Departmental Charges @ 17.5%								48570
G. Total =								326113

G.A.H.

Dy. Conservator of Forests,
Rampur Forest Division

**Dy Conservator of Forests
Rampur Forest Division
Rampur Bushahr (H.P.)**