

Full Title of Project:- DIVERSION OF 1.0188 HAC. OF FOREST LAND IN FAVOUR OF M/S GYATRI HYDEL PROJECTS PV. LTD. MOHALLA CHARPAT TEHSIL & DISTRICT CHAMBA H.P. FOR THE CONSTRUCTION OF BANUALA BAROOND-I (2 MW) HYDEL PROJECT, WITHIN THE JURISDICTION OF CHAMBA FOREST DIVISION, DISTRICT CHAMBA (H.P).

File No:-

Date of Proposal:

CHECK LIST No.187

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 1.0188 Hac. of Forest Land in favour of M/S Gyatri Hydel Projects Pvt.Ltd. Mohalla Charpat Tehsil & district Chamba H.P. for the conststruction of Banuala Baroond-I (2 MW) Hydel Project, within the jurisdiction of Chamba Forest Division, District Chamba (H.P).

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

a) District	Chamba
b) Village	Kathwad
c) Tehsil	Churah
d) Name of forest Division	Chamba
e) Range	Tikri
f) Block / Compartment / Survey No.	52/D/1
g) Area to be afforested	2.0376

2. Descriptions of Area:

i):- Whether the site selected for Compensatory Afforestation is a land Bank or not

Yes. The site selected for Compensatory Afforestation is a land bank along road side:

ii):-If the CA site is other than the land bank reason be In case of non-forest area identified for CA, than what is

**Not applicable as the site selected is land bank.
Not applicable as the site selected is a forest area.**

iv):-Soil Type :

Clayey Loam

v):-Topography

"a"

Hilly

Hilly/Undulating/Plain.

"b" Slope: Steep/Medium Medium

/ Gentle.

vi):-Whether the area is bearing any roote stock of

No

3. Plantation Model:

(a) Compensatory afforestation over an area of 3.22 ha of degraded forest land proposed to be raised. The area selected for this purpose in Kathwad DPE which is degraded forest area & has been notified as a land bank. Presently the area supports scattered deodar and Kail & Chil trees. The area identified for plantation has also been shown on the attached map. Plants @ 1100 plants per hectare will be planted. The plantation will be raised in the following years after the approval of FCA proposal and further maintenance and beating up of failure will be done for the subsequent ten years. The scheme will be implemented by Forest Department through DFO Chamba. The cost structure of scheme is attached. The scheme has been formulated by taking into consideration the present wage rate Rs. 300/- and 10% cost escalation after first year has been provided. Total financial outlay for compensatory plantation scheme is Rs.613296/- Certificate of DFO Chamba regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will be approachable Chamba-Chanju road and the monitoring will be done as per existing monitoring mechanism in the forest department at present and also as per GOI instructions.

Copy of the approved Compensatory afforestation scheme/ model showing component wise physical and

4. Schedule of Plantation Programme:-

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

Year	Area	Rate per Ha including Nry Cost (NT) & 10% cost escalation	Total Amount	Total financial years
(A):- 0 Year	2.0376	124151	252970	2022-23
(B):- At the rate 25% planting cost			63243	
1st Year Maint.	2.0376	16710	34048	2023-24
2nd Year Maint.	2.0376	12335	25134	2024-25
3rd Year Maint.	2.0376	7684	15657	2025-26
4th Year Maint.	2.0376	7684	15657	2026-27
5th Year Maint.	2.0376	7684	15657	2027-28
6th Year Maint.	2.0376	7684	15657	2028-29
7th Year Maint.	2.0376	7684	15657	2029-30
8th Year Maint.	2.0376	7684	15657	2030-31
9th Year Maint.	2.0376	7684	15657	2031-32
10th Year Maint.	2.0376	7684	15657	2032-33
Total (A+B)			500650	
Contingencies 5% of Total CA			25033	
Sub Total			525683	
Departmental Charges@ 17.50%			87614	
Total			613296	

5. The cost of the scheme is detailed below:-

Schedule of plantation programme:

Year	Area	Rate per Ha including Nry Cost (NT) & 10% cost escalation	Total Amount	Total financial years
(A):- 0 Year	2.0376	124151	252970	2022-23
Planting cost 25%			63243	
Departmental Charges@ 17.50%			87614	

Contingencies 5% of Total CA			25033	
Total			428859	
(B)				
1st Year Maint.	2.0376	16710	34048	2023-24
2nd Year Maint.	2.0376	12335	25134	2024-25
3rd Year Maint.	2.0376	7684	15657	2025-26
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7th Year Maint.	2.0376	7684	15657	2029-30
8th Year Maint.	2.0376	7684	15657	2030-31
9th Year Maint.	2.0376	7684	15657	2031-32
10th Year Maint.	2.0376	7684	15657	2032-33
Total (A+B)			184437	
Total			613296	


1. Technical Details:

Technical Details of Compensatory afforestation Scheme are as follows:-

- (a) General Details: an area of 2.0376 hec will be taken up for planting under compensatory afforestation scheme in KATWAR DPF. 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: 3.00 Mtr x 2.5Mtr.
- (c) Species : Deo, Ban and other broad leaved.
- (d) Plantation Method: Nursery grown one & half year above old plants (in Polythene bags as well as naked root) will be planted in 30x30x30 cm and 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 and Moisture Conservation: -
- (a) 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.
- (b) Proposed Monitoring Mechanism: The plantation will be monitored as per existing monitoring mechanism by GOI representatives as per instruction. The plantation site will be approachable.
- (c) Any other information : Nil

Date:-

Place:- Chamba


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CHAMBA-176310