

**FULL TITLE OF PROJECT :-DIVERSION OF 8.0678Ha. OF FOREST LAND FOR
CONSTRUCTION OF SIUL-IV SHEP 4MW TEHSIL SALOONI DISTT. CHAMBA HP.**

CHECK LIST SERIAL NUMBER-18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Detailed scheme for compensatory Afforestation to be carried out in lieu of diversion of 8.0678 Hectares of forest land to be diverted for the construction of Siul-IV SHEP (4MW) Tehsil Salooni in District Chamba (H.P.).

1) Details of degraded forest Land / Non-forest land :-

a) District	Chamba
b) Village	Matun
c) Tehsil	Salooni
d) Name of forest division	Churah
e) Range	Chakoli
f) Block / Compartment/Survey No.	Panoga Block
g) Area to be afforested	17 Ha

2) Description of Area :-

a) Whether the site selected for compensatory afforestation is a land bank or not :

Yes. The selected site is a landbank.

b) If the CA site is other than the land bank reason be given :

Not applicable as the site selected is land bank.

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

Not applicable as the site selected is a forest area.

d) Soil Type : **Clayey loam**

e) Topography : i) **Hilly** / Undulating / Plain

ii) Slope : Steep / **Medium** /gentle

f) Whether the area is bearing any root stock of vegetation :

Scattered trees of deodar and kail exists on the site.

P.T.O

3) Plantation Model :-

(a) Compensatory afforestation over an area of 17ha land bank in UPF is proposed to be raised. The area selected for this purpose is in UPF Matun which is a forest area and has been notified as a land bank. Presently the area supports scattered Deodar, kail and OBL trees. Whole of the plantation of 17 ha will be raised in a single compact block inside the land bank created for such purpose. The area identified for plantation has also been shown on the attached map. Plants @1100 plants per hectare will be planted. Thus **18700** plants under this diversion proposal will be planted in the land bank. The species to be planted will be mainly Deodar, Kail etc. which are suitable for the area will also be planted. The plantation will be raised in the following year after the approval of FCA proposal and further maintenance and beating up of failures will be done for the subsequent ten years. The scheme will be implemented by Forest Department through DFO Churah. The scheme has been formulated by taking into consideration the present wage rate of Churah. The cost structure of the scheme is attached. Total financial outlay for compensatory plantation scheme is **Rs. 3362894/-**. Certificate of DFO Churah regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will be approachable from Chamba-Sanghni- langera PWD Road and 1 kilometer on foot from Paryungal village. Monitoring will be done as per existing monitoring mechanism in the forest department at present and also as per G.O.I. instructions.

(b) **THE DETAILED BREAKUP OF COMPENSATORY AFFORESTATION IS GIVEN AS BELOW:-**

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"SCHEME FOR COMPENSATORY AFFORESTATION"

SCHEME FOR COMPENSATORY AFFORESTATION IN RESPECT OF DIVERSION OF 8.0678 Ha OF FOREST LAND FOR THE C/O 4 MW SIUL-IV SHEP IN CHURAH AT SALOONI forest division, District Chamba (H.P.)					
Norms of plantation and maintenance of old plantation for Non-Tribal and Tribal Areas for the year 2018-19 applicable vide Pr.CCF (HoFF) H.P. Shimla memo.No.Ft.State CAMPA/2010/Norms/Vol.II dated 30.05.2018.					
Total area diverted in hac	8.0678 Hectare				
Area proposed for compensatory afforestation.	16.1356 hectare Or Say 17 hectare				
Name of proposed plantation area	Name of place - UPF MATUN Near Village Matun Tehsil Salooni District Chamba.				
Plants to be planted per ha	1100				
Total number of plants to be planted.	18700				
Species to be planted	Deodar & Kail Species				
Particulars of works	Area in Hac.	Rate per Hac. Non Tribal Areas	Nursery cost per Ha. (Deodar & Kail NT/Area)	Total Rate Non Tribal Areas	Total amount
Initial cost for raising compensatory afforestation over an area of <u>17 ha.</u>	17.00	63200	19877	83077	1412309
Soil & Moisture Conservation works @ 25% of planting cost					353077
Total-A					1765386
Ist year maintenance	17.00	6850	5963	12813	217821
2 nd year maintenance	17.00	4600	3975	8575	145775
3rd year maintenance	17.00	2400	1988	4388	74596
4th year maintenance	17.00	2400	1988	4388	74596
5th year maintenance	17.00	2400	1988	4388	74596
6th year maintenance	17.00	2400	1988	4388	74596
7th year maintenance	17.00	2400	1988	4388	74596
8th year maintenance	17.00	2400	1988	4388	74596
8th year maintenance	17.00	2400	1988	4388	74596
10th year maintenance	17.00	2400	1988	4388	74596
Total-B					960364
Total-A+B					2725750
Contingencies @ 5% on Rs.2725750/-					136288
Total					2862038
Departmental charges @ 17.5% on Rs.2862038/-					500857
G.Total :					3362894


M. M. D.
Range Forest Officer
Forest Range Chakoli

Sanam
Divisional Forest Officer
Churah Forest Division
Salooni Chamba (H.P.)

Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- (c) General Details:- An area of 17Ha will be taken up for planting under compensatory afforestation scheme in UPF Matun in a single compact block. The area will be protected by Barbed wire fencing and a mixture of conifer and broad leaved species will be planted. Plants will be planted @ 1100 plants per hectare.
- (d) Spacement :- 2.5mtr x 2.5mtr
- (e) Species:- Mainly Deodar, Kail etc
- (f) Plantation Method:- Nursery grown two and a half year old plants of deodar (in Polythene bags) and one and half year old plants of Kail(in Polythene bags) will be planted in 30x30x30 cm pits in the selected area. Horse chestnut plants will be planted naked root in 45x45x45 cm pits. 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 rain fed.
- (g) 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 will be done where ever required.
- (h) 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 departmental staff.
- (i) 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 Chamba – Langera PWD Road and further 1 kms on foot.
- (j) Any other information:- Nil.


 Divisional Forest Officer
 Churah Forest Division
 Salooni Chamba (H.P.)
 Chamba (H.P.)