

## CHECK LIST NO. -17

### SCHEME FOR COMPENSATORY AFFORESTATION

Detail scheme for compensatory Afforestation to be carried out in lieu of diversion 11.9813 Hectare of forest land for the Construction of Sai-Kothi-II HEP (16.5MW), to be constructed by Hydel Investigation Division, HPSEBLtd. Chamba in Chamba District, Himachal Pradesh. Afforestation will be done in 24 hectares i.e. double the forest land area to be diverted.

#### 1. Details of Non-forest/ UPF (Unmarked Protected Forest) land:-

a) District	Chamba
b) Village	Matun, Talai, Kilor
c) Tehsil	Salooni
d) Name of forest division	Churah
e) Range	Chakoli
f) Block/ Compartment/Survey Sheet No.	1. UPF Matun / Block Bhainth / 43-P-13 2. UPF Talai / Block Panoga / 43-P-13 3. UPF Kilor / Block Salooni / 43-P-14 Scale 1:50000
g) Area to be afforested	24 Hectare

#### 2. Description of Area:-

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

**Yes, The selected site is a land bank.**

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 indentified 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: Rocky and Sandy loom

e) Topography: Hilly

ii) Slope: Medium

f) Whether the area is bearing any root stock of vegetation: **No.**

#### 3. Plantation Model:-

Compensatory afforestation covers an area of 24 ha. Of UPF is proposed to be raised. The area selected for this purpose is in UPF Mutunu, kilor, and Talai which is a unmarked protected forest area and has been notified as a land bank. Presently the area **supports scattered bushes**. Whole of the plantation of 24 hectare will be raised in different compact blocks inside the land bank created for

such purpose. The area identified for plantation has been shown on the **attached map**. Plants @ 1100 plants per hectare will be planted. Thus 26400 plants under this diversion proposal will be planted in the land bank. The species to be planted will be mainly Chill (Pinus Roxburghii), Ban (Quercus leucotrichophora), Peak (Alnus Nitida), Robinia (Preudocacia) etc. 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 Forest Division. The cost structure of the scheme is attached. Total financial outlay for compensatory plantation scheme is Rs. **2759190/-** only. Certificate of DFO Churah Forest Division regarding suitability of land identified for compensatory plantation is attached. The area selected for compensatory plantation will be approachable from Salooni, Langera road. The monitoring will be done as per existing mechanism in the forest department at present and also as per G.O.I. instructions. Copy of the approved Compensatory afforestation model showing component wise physical and financial breakup is enclosed.

**4. Schedule of plantation program and cost structure of Scheme:-**

Details of year wise breakup of requirement of funds are as under:-

Year	Nature of work	Area (Hectare)	Rate per hectare	Total amount (Rs.)
	New Plantation	24	63200/-	1516800/-
1 <sup>st</sup> year	1 <sup>st</sup> year maintenance of plantation	24	6850/-	164400/-
2 <sup>nd</sup> year	2 <sup>nd</sup> year maintenance of plantation	24	4600/-	110400/-
3 <sup>rd</sup> year	3 <sup>rd</sup> year maintenance of plantation	24	2400/-	57600/-
4 <sup>th</sup> year	4 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
5 <sup>th</sup> year	5 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
6 <sup>th</sup> year	6 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
7 <sup>th</sup> year	7 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
8 <sup>th</sup> year	8 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
9 <sup>th</sup> year	9 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
10 <sup>th</sup> year	10 <sup>th</sup> year maintenance of plantation	24	2400/-	57600/-
Total				<b>2252400/-</b>
Departmental Charges			17.5%	394170/-
Contingencies			5%	112620/-
Total				<b>2759190/-</b>

## 5. Technical details:-


Technical details of Compensatory afforestation scheme are as follows:-

No. of Patches	Name of UPF	Area (Ha)
1	Matun	12
2	Talai	6
3	Kilor	6

- a) **General Details:** - An area of 24 ha will be taken up for planting under compensatory afforestation scheme in UPF Matun, Talai & Kilor in a 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.
- b) **Spacement:-** 2.5mtr x 2.5mtr
1. Species Chill (Pinus Roxburghii), Ban (Quercus leucotrichophora), Peak (Alnus nitida), Robinia (Pseudoacacia) etc.
- (a) **Plantation Method:** - Nursery grown two and a half year old plants of Chill (Pinus Roxburghii), Ban (Quercus leucotrichophora) and Peak (Alnus Nitida) in Polythene bags will be planted in 45x45x45 cm pits in the selected area. Bushes 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.
- (b) **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.
- (c) **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.
- (d) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per exiting monitoring mechanism in the forest department. The plantation in regard of compensatory afforestation, over an area of 24 hactare, will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from road.
- (e) Any other information:- Nil

Place: Salooni

Dated 02-06-2020

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