

**Title of Project:- DIVERSION OF 3.00 HAC. OF FOREST LAND IN FAVOUR OF H.P.P.W.D. FOR CONSTRUCTION OF LINK ROAD FROM CHANDI TO BADOH VIA BHATOLI KM 0/0 TO 6/223 WITHIN THE JURISDICTION OF CHAMBA FOREST DIVISION DISTT CHAMBA (HP).**

**File No:-**

**Date of Proposal:**

**CHECK LIST No.18**

**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detail scheme for Compensatory Afforestation to be carried out in lieu of 3.00 Hectare forest area to be diverted for the construction of link road from chandi to badoh via bhatoli km 0/0 to 6/223 within the jurisdiction of Chamba Forest Division Distt Chamba (HP).

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

a) District	Chamba
b) Village	Rupani DPF
c) Tehsil	Chamba
d) Name of forest	Chamba
e) Range	Masroond
f) Block / Compartment / Survey No.	52/D/2
g) Area to be afforested	6                      Hac.

**2. Descriptions of Area:**

i):- Whether the site selected for

**Yes. The site selected for Compensatory Afforestation is a**

ii):-If the CA site is other than the land

**Not applicable** as the site selected is land bank.

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

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

iv):-Soil Type :

**Clayey Loam**

v):-Topography

"a"

**Hilly**

"b" Slope:

**Medium**

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

**No**

**Plantation Model:**

Compensatory afforestation over an area of **6.00 ha** of degraded forest land proposed to be raised. The area selected for this purpose in **Rupani DPF** which is degraded forest area & has been notified as a land bank. Presently the area supports scattered Kahoo & 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. 200/- and 10% cost escalation after first year has been provided. Total financial outlay for compensatory plantation scheme is Rs. **1383448/-**. Certificate of DFO Chamba regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will be approachable **Chamba -Koti-Chandi-Chakloo 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 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 per Ha including Nry Cost (NT)	Total Amount	Total financial years
(A):- 0 Year	6.00	97885	587310.00	2021-22
(B):- At the rate 25% planting cost			146827.50	
		<b>Total:-</b>	<b>734137.50</b>	
1st Year Maint.	6.00	14886	89316.0	2022-23
2nd Year Maint.	6.00	9950	59700.00	2023-24
3rd Year Maint.	6.00	5129	30774.00	2024-25
4th Year Maint.	6.00	5129	30774.00	2025-26
5th Year Maint.	6.00	5129	30774.00	2026-27
6th Year Maint.	6.00	5129	30774.00	2027-28
7th Year Maint.	6.00	5129	30774.00	2028-29
8th Year Maint.	6.00	5129	30774.00	2029-30
9th Year Maint.	6.00	5129	30774.00	2030-31
10th Year Maint.	6.00	5129	30774.00	2031-32
		<b>Total</b>	<b>395208.00</b>	
		<b>Total(A+B)</b>	<b>1129345.50</b>	
		<b>Contingencies Charges 5% Total CA</b>	<b>56467</b>	
		<b>Sub Total</b>	<b>1185812.80</b>	
		<b>Department Chcharges @17.50%</b>	<b>197635.5</b>	
		<b>Total</b>	<b>1383448.3</b>	



Cost of the scheme is detailed below:-

Table of plantation programme:

Year	Area	Rate per Ha including Nry Cost (NT)	Total Amount	Total financial years
(A):- 0 Year	6.00	97885	587310	2021-22
		planting cost 25%	146828	
		Departmental Charges@ 17.50%	197635	
		Contingencies 5% of Total CA	56467	
		<b>Total</b>	<b>988240</b>	
(B)			89316	2022-23
1st Year Maint.	6.00	14886	59700	2023-24
2nd Year Maint.	6.00	9950	30774	2024-25
3rd Year Maint.	6.00	5129	30774	2025-26
4th Year Maint.	6.00	5129	30774	2026-27
5th Year Maint.	6.00	5129	30774	2027-28
6th Year Maint.	6.00	5129	30774	2028-29
7th Year Maint.	6.00	5129	30774	2029-30
8th Year Maint.	6.00	5129	30774	2030-31
9th Year Maint.	6.00	5129	30774	2031-32
10th Year Maint.	6.00	5129	395208	
		<b>Total (A+B)</b>	<b>1383448</b>	
		<b>Total</b>	<b>1383448</b>	

#### 1. Technical Details:

Technical Details of Compensatory afforestation Scheme are as follows:-

(a) General Details: an area of 6.00 hec will be taken up for planting under compensatory afforestation scheme in Rupani 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 year 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:- 11-06-2021.

Place:- Chamba

  
**AMIT SHARMA, HPFS**  
 Divisional Forest Officer  
 Chamba Forest Division, Chamba