

SPORT STADIUM AT CHOWARI

REVISED

"SCHIME FOR COMEPESATORY AFFORTATION"

Detail scheme for compensatory Afforestation to be carried out in lieu of diversion of 1.9221 hectare of forest land for the construction of **SPORTS STADIUM AT CHOWARI**, to be constructed by District Youth Services & Sports Officer, Chamba, Himachal Pradesh. Afforestation will be done over **3.85 hectare** i.e. two times the forest land area to be diverted.

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

a) District	Chamba
b) Village (Name of land Bank)	Sundla No. II DPF
c) Tehsil	Bhattiyat
d) Name of Forest Division	Dalhousie
e) Range	Chowari
f) Scale	1:15000
g) Block/Compartment/Survey No.	52 D/3 NW
h) Area to be afforested	3.85 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 is given:

Not applicable as the site selected is a 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: Rocky (soft) and Sandy loom

e) Topography: Hilly

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

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

3) Plantation Model:-

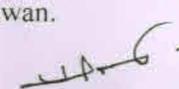
Compensatory afforestation over an area of 3.85 ha of degraded forest land is proposed to be raised. The area selected for this purpose is in Sundla N.II DPF, which is a degraded forest area and has been a land bank. Presently the area supports scattered vegetation of Ban Oak (*Quercus leucotrichophora*) and *Rhododendron* etc. Whole of the plantation of 3.85 will be raised in a single compact block inside the degraded forest for such purpose. The area indentified for plantation has also been shown on the attached map. Plants @1100 plants per hectare will be planted. Thus 4235 plants under this diversion proposal will be planted in the land bank. The species to be planted will be mainly Deodar (*Cedrus deodara*) Ban Oak (*Quercus leucotrichophora*) Hourse Chest Nut (*Aesculus indica*) 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 seven years. The scheme will be implemented by Forest Department through DFO, Dalhousie. Total financial outlay for compensatory plantation scheme is **Rs. 913500/-**. Certificate of the DFO Dalhousie regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will be approachable from Village Awan. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I. instructions.

Particular of works	Area under CA scheme (in Hact)	Norm fixed for 2017-8 at the wage rate of Rs. 210/- per day	Year of execution of works	Cost Exclation of 10% for each financial year	Total amount of CA
(a) Initial cost for plantation	3.85	60150	2018-19	66165	254735
Soil Conservation works				L/S	100000
Cost of plants including maintenance for 10 years	Total plantation including Maintenance New Plantation =4235 Plants Maintenance =5713 Plants Total = 9948			22/- per plant	218856
(b) Maintenance					
1st year	3.85	6350	2019-20	6985	26892
2nd year	3.85	4300	2020-21	5203	20032
3rd year	3.85	2250	2021-22	2723	10484
4th year	3.85	2250	2022-23	2995	11531
5th year	3.85	2250	2023-24	3295	12686
6th year	3.85	2250	2024-25	3624	13952
7th year	3.85	2250	2025-26	3986	15346
8th year	3.85	2250	2026-27	4385	16882
9th year	3.85	2250	2027-28	4823	18569
10th year	3.85	2250	2028-29	5305	20424
			Grand Total		740389
© Contingency				5%	37019
Total a+b+c			Total		777408
(d) Departmental Charges				17.50%	136046
Grand Total a+b+c+d					913454
			Or say		913500

4). Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- (h) **General Details:** - An area of 3.85 ha will be taken up for planting under compensatory afforestation scheme in DPF Sundla No II 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.
- (i) Spacement:- 2.5 mtr×2.5 mtr
2. Species:- Broad leaved and Conifer species.
- (j) **Plantation Method:-** Nursery grown one and half year old plants of broad leaved and other conifer species mainly Deodar (Cedrus deodara) Ban Oak (Quercus leucotrichophora) Hourse Chest Nut(Aesculus indica) etc.etc. in Polythene bags will be planted in 45×45×45 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 failures will be done. The plantation will be rain faded.
- (k) **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.
- (l) **Protection (Fencing, Watch man, People's Participation etc.):**- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable place around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.
- (m) **Proposed Monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by Gol representatives as per instructions. The plantation site will be approachable from village Awan.
- (n) **Any other information**


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