

Full Title of the project: - **Installation and construction of Municipal Solid Waste Management Plant at Theog**  
 File. No. FP/HP/Others/11318/2015  
 Date of Proposal- 22.11.2022

**CHECK LIST SERIAL NUMBER 18**  
**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detailed scheme for 0.3 hectare area for Compensatory Afforestation to be carried out in lieu of diversion of 00-09-60 forest land for Installation and construction of Municipal Solid Waste Management Plant at Theog.

**1. Detail of degraded forest land/ Non- Forest land**

Village	Dhanu
Tehsil	Theog
District	Shimla, H.P.
Forest Division	Theog Forest Division
Forest Range	Theog
Block No./Compartment No./Survey No	U-355 Dhanu, Shilli Beat, Matiana Block, Theog Range, Theog Division Survey-53 F/5
Area to be afforested	0.3 ha

**2. Description of the Area**

i)	Whether the site selected for Compensatory Afforestation is a land bank or not	No, the area selected is a degraded patch of forest land
ii)	If the CA site is other than the land bank, reasons be given	CA has been proposed in degraded forest land.
iii)	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	NA
iv)	Soil type	Clayey loam.
v)	Topography a) Hilly / Undulating /Plain b) Slope: Steep/Medium/Gentle c) Soil Depth D) Aspect	a) Undulating b) Medium c) Moderate d) Eastern aspect
vi)	Whether the area is bearing any root stock of vegetation.	No

**3. Plantation Model**

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed.

**BILL FOR COMPENSATORY MEDICINAL PLANTATION SCHEME OVER 0.3 HECTARE IN LIEU OF DIVERSION OF FOREST LAND FOR C/O SOLID WASTE MANAGEMENT PLANT AT THEOG WITHIN THE JURISDICTION OF THEOG FOREST DIVISION IN DISTT. SHIMLA, HP.**

Area proposed for compensatory Afforestation in hac.	0.3									
Plants to be planted per hectare	500									
Total number of plants to be planted	150									

1	2	3	4	5	6	7	8	9	10	11
particulars of works	Unit cost at wage structure per ha.	No. of Plants	Plants @ 82/- Rs		Area in ha.	Total cost (i.e. Col.2x6+5)	Year of execution of work	Cost escalation	Unit cost after applying cost escalation (Col.7x9)	Total amount (Col.7+10)
Initial cost for raising CA over an area of CA	103900	150	82	12300	0.3	43470	2026-27	10%	4347	47817
1 <sup>st</sup> Year Maintenance	12100	45	82	3690	0.3	7320	2027-28	20%	1464	8784
2 <sup>nd</sup> Year Maintenance	8200	30	82	2460	0.3	4920	2028-29	30%	1476	6396
3 <sup>rd</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2029-30	40%	996	3486
4 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2030-31	50%	1245	3735
5 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2031-32	60%	1494	3984
6 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2032-33	70%	1743	4233
7 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2033-34	80%	1992	4482
8 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2034-35	90%	2241	4731
9 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2035-36	100%	2490	4980
10 <sup>th</sup> Year Maintenance	4200	15	82	1230	0.3	2490	2036-37	110%	2739	5229

Total	97857
Contingencies Charges @ 5%	4893
Total cost of CA Scheme	102750
Departmental Charges @ 17.5%	17981
<b>G. Total</b>	<b>120731</b>

  
**Dr. Manish Rana**  
 Divisional Forest Officer  
 Theog Forest Division, Theog

### 5. Technical Details:

**Technical details of Compensatory Afforestation Scheme are as follows:**

- a) General Details: An area of 0.3 hectare will be taken up for planting under Compensatory Afforestation scheme in U-355 Dhanu, Shilli Beat, Matiana Block, Theog Range, Theog Division. The area will be protected by RCC, Fence Post with four strands of Barbed wire fencing and a mixture of conifer and broad leaved species will be planted @ of 500 tall plants per hectare.
- b) Spacement 3 mtr x 3 mtr.
- c) Species: Cedrus deodara, Easculus indica, Juglans regia, Alnus nitida, Robinia Pseudoacacia, Pinus roxbueghi, etc.
- d) Plantation Method: Nursery grown 3.5 year old plants (in Polythene bags) will be planted in 60x60x60cm pits/patches in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent ten years in which betting up of failures will be done. The plantation will be rain-fed.
- e) Soil and Moisture Conservation works.
- f) Protection (Fencing, Watch man, People's Participation etc.); -Area will be protected from grazing by erecting RCC fence Post with 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.
- g) 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 Theog, Matiana, Shillaru road. )
- h) Any other information: Nil.

**Dated:**  
**Place: Theog.**

  
**Divisional Forest Officer,**  
**Theog Forest Division, Theog**







Latitude: 31.105928  
Longitude: 77.429739  
Elevation: 1397.9±9 m  
Accuracy: 4.7 m  
Time: 25-04-2025 16:14  
Note: 1 has dhara

