

Title of the Project: - C/o 66 kV D/C Transmission Line from Pragati Nagar to 66/22 kV Sub Station Hulli (Kotkhai) Shimla. (HP)  
File. No.:- FP/HP/TRANS/148907/2021  
Date of Proposal:- 06.01.2022

### **CHECK LIST SERIAL NUMBER 17**

#### **“SCHEME FOR COMPENSATORY AFFORESTATION”**

Detailed scheme for Compensatory Afforestation to be carried out in Right of Way of proposed 66 kV D/C Transmission Line from Pragati Nagar to 66/22 kV Sub Station Hulli (Kotkhai) Shimla. (HP) in Shimla District, under the jurisdiction of Theog Forest Division.

##### **1. Particulars of area**

Particulars	Theog Division
Village	Khodu, Pajol, Anu, Hulli and Mangli
Tehsil	Kotkhai
District	Shimla
Forest Division	Theog
Forest Range	Kotkhai
Area	3.4834

##### **2. Description of the Area**

Sr. No	Particulars	Remarks
i)	Whether the site selected for Compensatory Afforestation is a land bank or not	No, this area comes under the RoW of proposed transmission line
ii)	If the CA site is other than the land bank, reasons be given	This CA scheme has been prepared as per directions received from GoI
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	Sandy loam to Sandy Clay Loam
v)	Topography a) Hilly / Undulating /Plain b) Slope: Steep/Medium/Gentle	Hilly Steep & Medium

##### **3. Plantation Model**

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

**BILL FOR COMPENSATORY PLANTATION SCHEME OVER AREA MEASURING 3.4834 HECTARE OF FOREST LAND COMING UNDER THE ROW OF  
PROPOSED 66 kV D/C Transmission Line from Pragati Nagar to 66/22 kv Sub Station Hulli (Kotkhai) Shimla. WITHIN THE JURISDICTION OF  
SHIMLA FOREST DIVISION, DISTT. SHIMLA, HP.**

Approximate area where compensatory  
Afforestation can be done in hac.

Plants to be planted per hectare			3.4834							
Total number of plants to be planted			1100							
1	2	3	4	5	6	7	8	9	10	11
particulars of works	Unit cost at wage structure per ha. For 2021-22, including plants cost	No. of Plants	Plants @ 23/- Rs	Total amount of plants	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	89800	3832	23	88136	3.483	400945	2024-25	10%	40095	441040
1 <sup>st</sup> Year Maintenance	10600	1150	23	26450	3.483	63374	2025-26	20%	12675	76049.04
2 <sup>nd</sup> Year Maintenance	7100	766	23	17618	3.483	42350.1	2026-27	30%	12705	55055.14
3 <sup>rd</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2027-28	40%	8679	30376.58
4 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2028-29	50%	10849	32546.58
5 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2029-30	60%	13019	34716.58
6 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2030-31	70%	15188	36885.58
7 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2031-32	80%	17358	39055.58
8 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2032-33	90%	19528	41225.58
9 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2033-34	100%	21698	43395.58
10 <sup>th</sup> Year Maintenance	3700	383	23	8809	3.483	21697.6	2034-35	110%	23867	45564.58

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

Contingencies Charges @ 5%	875911
Total cost of CA Scheme	43796
Departmental Charges @ 17.5%	919707
<b>G. Total</b>	<b>1609949</b>

**1080656**



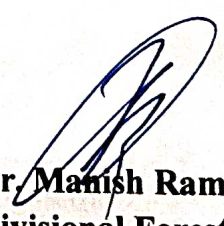
## 5. Technical Details:

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

- a) General Details: An area of 3.4834 hectare will be taken up for planting under Right of way of Transmission line. The area will be protected by RCC, Fence Post with four strands of Barbed wire fencing and various dwarf species will be planted @ of 1100 plants per hectare.
- b) Spacement 3mtr x 3mtr.
- c) Species: Zanthoxylum alatum, Punica granatum, Pistacia integerrima, Thuja compecta, Phyllanthus emblica and Morus alba etc.
- d) Plantation Method: Nursery grown 2.5 year old pants (in Polythene bags as well as naked root) will be planted in 30x30x30 cm. and 15x15x15 cm 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 beating 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 RoW will be approachable from Theog, Chaila-Gumma-Kotkhai road. )
- h) Any other information: Nil.

Dated:

Place: Theog.

  
**Dr. Manish Rampal, HPFS**  
**Divisional Forest Officer,**  
**Theog Forest Division, Theog**