

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 18
“SCHEME FOR COMPENSATORY AFFORESTATION”

Detailed scheme for Compensatory Afforestation to be carried out for plantation of 160 tall plants in lieu of diversion of forest land for C/o 66 kV D/C Transmission Line from Pragati Nagar to 66/22 kV Sub Station Hulli (Kotkhai) Shimla. (HP).

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

Village	Tomru
Tehsil	Kotkhai
District	Shimla, H.P.
Forest Division	Theog Forest Division
Forest Range	Kotkhai
Block No./Compartment No./Survey No	R-15 Tomru, Tharola Beat, Kalala Block, Kotkhai Range, Theog Division, Survey-53 E/8
Area to be afforested	7.226 hec

2. Description of the Area

i)	Whether the site selected for Compensatory Afforestation is a land bank or not	It's a degraded forest land patch.
ii)	If the CA site is other than the land bank, reasons be given	The selected patch is a degraded patch of forest land and can fulfill the criteria of forest land to undertake compensatory afforestation.
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	A mixture of Clayey loam and sandy soil.
v)	Topography a) Hilly / Undulating /Plain b) Slope: Steep/Medium/Gentle	Medium slope
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.


4. Schedule of Plantation Programme:

Cost for plantation over 7.226 ha forest land and maintenance for 10 years.

BILL FOR COMPONSATORY PLANTATION SCHEME OVER AREA MEASURING 10 HECTARE OF FOREST LAND IN LIEU OF DIVERSION OF FOREST LAND FOR THE C/O 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.			7.226							
Plants to be planted per hactare			1100							
Total number of plants to be planted			7949							
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	7949	23	182827	7.226	831722	2021-22	10%	83172	914894
1 st Year Maintenance	10600	2385	23	54855	7.226	131451	2022-23	20%	26290	157740.6
2 nd Year Maintenance	7100	1590	23	36570	7.226	87874.6	2023-24	30%	26362	114236.6
3 rd Year Maintenance	3700	795	23	18285	7.226	45021.2	2024-25	40%	18008	63029.2
4 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2025-26	50%	22511	67532.2
5 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2026-27	60%	27013	72034.2
6 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2027-28	70%	31515	76536.2
7 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2028-29	80%	36017	81038.2
8 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2029-30	90%	40519	85540.2
9 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2030-31	100%	45021	90042.2
10 th Year Maintenance	3700	795	23	18285	7.226	45021.2	2031-32	110%	49523	94544.2

Total	1817168
Contingencies Charges @ 5%	90858
Total cost of CA Scheme	1908026
Departmental Charges @ 17.5%	333905
G. Total	2241931


Sheetal Sharma, HPFS
Divisional Forest Officer,
Theog Forest Division, Theog
Divisional Forest Officer
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5. Technical Details:

Technical details of Compensatory Afforestation Scheme are as follows:

- a) General Details: An area of 7.226 hectare will be taken up for planting under Compensatory Afforestation scheme in R-15 Tomru, Tharola Beat, Kalala Block, Kotkhai Range, Theog Division, Survey-53 E/8. 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 1100 plants per hectare.
- b) Spacement 3 mtrx3 mtr.
- c) Species: Cedrus deodara, Easculus indica, Juglans regia, Alnus nitida, Robinia Pseudoacacia, Punus roxbueghi, 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 45x45x45 cm and 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, Chila, Gumma, Kotkhai road.)
- h) Any other information: Nil.

Dated: 17.01.2023

Place: Theog.


Sheetal Sharma, HPFS

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