

No: 12599

H.P.Forest Department.

Dated Rohru, the 6-1-2016

From: D.F.O.Rohru.

To: C.F.Shimla.


Subject: Diversion of 14.5510 ha of forest land for the construction of 132 KV D/C Transmission line from Tangnu-Romai HEP to 66/132/220KV Pooling Station Sunda( Chirgaon) Tehsil Chirgaon Distt. Shimla HP within the jurisdiction of Rohru Forest Division Distt. Shimla HP.

Memo:

Kindly refer to Nodal Officer -cum-APCCF(FCA) O/O Pr.CCF.HP Shimla office endst.No.Ft.48-2929/2014(FCA) dated 18<sup>th</sup> Oct.,2015 on the subject cited above.

2. The point wise reply is as under :-
1. The clear copy of Map showing the alignment of three routes on S.o.I. sheet has been enclosed.
2. The revised Digital Map as per directions of MOEF CC GoI RO Dehradun has been enclosed.
3. The revised C/B analysis alongwith annexure IV(b) and IV(c) has been enclosed.
4. The copy of SOI sheet showing area selected for CA has been enclosed.
5. The forest clearance case was under preparation from January 2014 onwards by the user agency. The site inspection for the same has been done on dated 22.2.2014. The FCA case has been signed by the undersigned on dated 19.12.2014. As the online portal for FCA cases accept the site inspection date only after the online receipt of FCA case at DFO. Therefore the site inspection has been done again on dated 16.6.2015 by the undersigned.

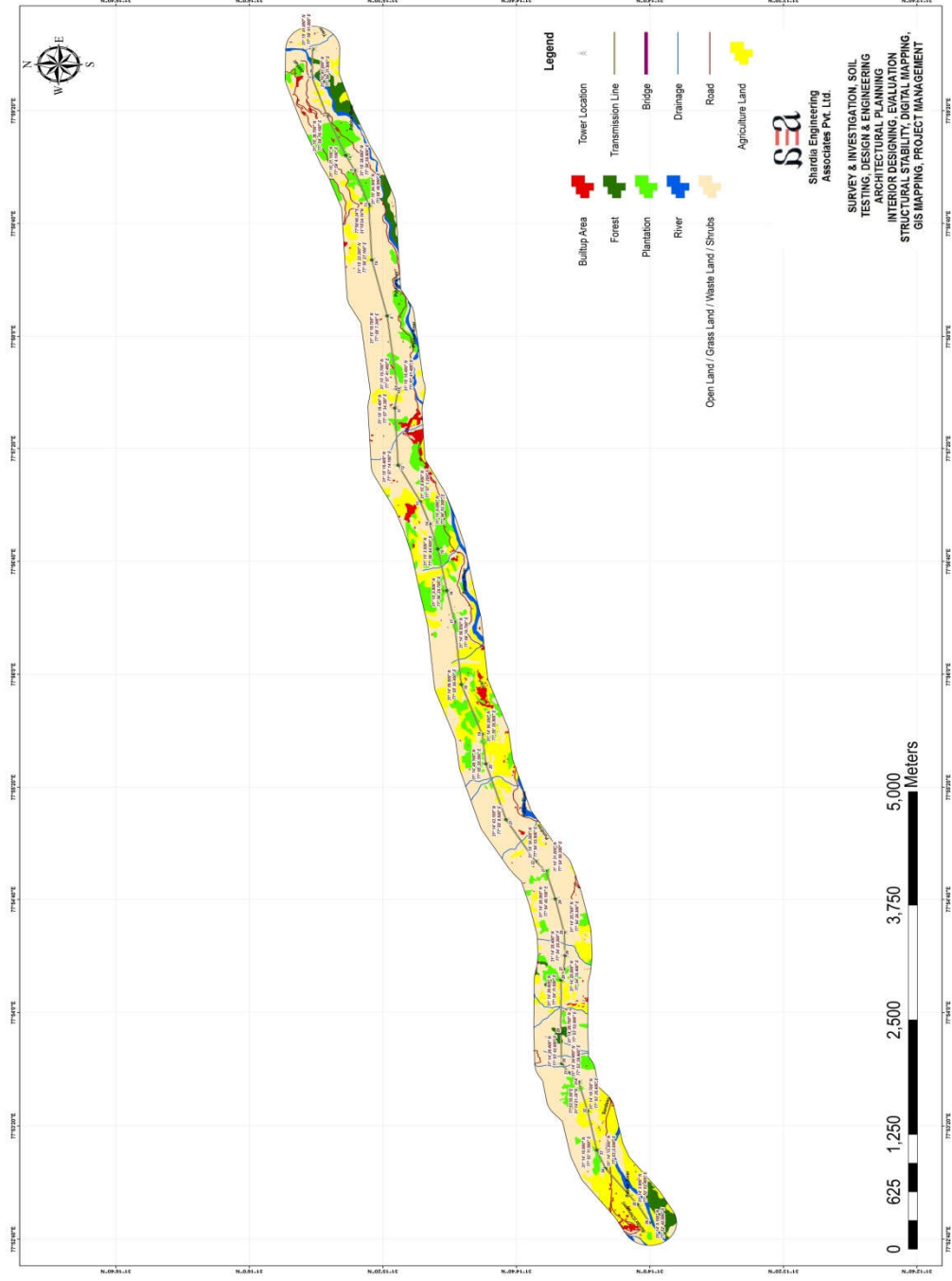
Encl: As above.

  
Divisional Forest Officer,  
Rohru Forest Division, Rohru.

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Divisional Forest Officer  
Rohru Forest Division  
ROHRU —

# 132 KV D/C Transmission Line From Tangnoo to Sunda (Chirgaon)





Full Title of the Project: - **Construction of 132KV Double Circuit Transmission Line from Tangnu-Romai HEP to 66/132/220KV Pooling Station Sunda (Chirgaon) Tehsil Chirgaon District Shimla (HP).**

File no: \_\_\_\_\_

Date of proposal: \_\_\_\_\_


### CHECK LIST SERIAL NUMBER-29


Cost Benefit Analysis				
S.No.	Parameters	Road, Transmission lines & Railway lines	Minor Projects	Irrigation/hydro electric Projects & others
1.	Increase in productivity attributable to the specific project	Availability of the power in the Northern grid will increase substantially and this will have a positive impact on the industrialization and agricultural activities.	N/A	N/A
2.	Benefit to economy	<p><b>To the country:</b> Better power availability for industrial commercial and domestic use</p> <p><b>To the state of Himachal Pradesh</b></p> <ul style="list-style-type: none"> <li>i. Enhanced infrastructure through capital investment in infrastructure.</li> <li>ii. Utilization of un-harnessed potential.</li> <li>iii. Safety of forests as there will be single evacuation system for all the projects coming in the area.</li> <li>iv. Lesser transmission losses, as the electricity will be transmitted through extra high voltage line.</li> <li>v. Wheeling charges from the IPPs who wish to transmit their power through open access.</li> </ul> <p>About 300MW of power will be evacuated through this Transmission line @2.91 per unit with 45% PLF per year, which works out to the tune of Rs 300000x24x365x0.45x2.91 =344.13 Crore</p>	N/A	N/A
3.	No of Population benefited	Specifically Rohru, Chirgaon, Jubbal, Kotkhai area of Himachal Pradesh /States under northern grid.	N/A	N/A
4.	Employment Potential	Direct as well as indirect employment will be generated during the construction of the proposed project. Approximately 100 to 150 people in various capacities will be employed during construction of the project. Besides a large no of people running mechanical workshops, spare part dealers	N/A	N/A

		will gain business because of the construction of the project		
5.	Cost of acquisition of facility on non forest land wherever feasible	NA	N/A	N/A
6.	Loss of a) agricultural and b) animal husbandry production due to diversion of the forest land	Neither such agriculture nor animal husbandry operations are being undertaken in the land coming in the alignment of the transmission line (Nil in view of the above)	N/A	N/A
7.	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement	No family or person is being displaced because of the construction of this transmission line (Nil in view of the above)	N/A	N/A
8.	Cost of supply of free fuel wood to workers residing in or near the forest area during the period of construction	No workers will reside in the forest area as this is not permissible under the Forest Conservation Act 1980 and the workers will be provided with LPG connections in the mess canteen to be set up in the residential areas (Not applicable in view of the above)	N/A	N/A

Date: 02-01-2015

Place:-Rohru

  
Sr. Manager (Project)  
~~Senior Manager (Projects)~~  
HRETCL Division,  
Distt Shimla (HP),  
Rohru Distt Shimla (HP)

  
Divisional Forest Officer,  
~~Divisional Forest Officer~~  
Rohru Forest Division  
ROHRU

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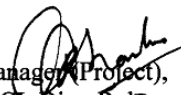
Annexure-VI (b)


**PARAMETERS FOR EVALUATION OF LOSS OF FORESTS**

S.NO.	PARAMETERS	ROADS, <b>Transmission Lines</b> & Railway Lines	Minor Irrigation project. Justification OF Stones/Metals	Medium & Major Irrigation, Hydro Electric large mining & other misc Projects.
1.	Loss of value of timber, fuel wood and minor forest produce on an annual basis, including loss of man hours per annum of people who derived livelihood and wages from the harvest of these commodities.	10% of the Cost of trees	N/A	N/A
2.	Loss of animal husbandry, Productivity, including loss of fodder.	There are no animal husbandry operations existing or proposed in the area under consideration, (Nil in view of the above)	N/A	N/A
3.	Cost of human resettlement.	No Human relocation is involved due to this project (Nil in view of the above)	N/A	N/A
4.	Loss of public facilities and administrative infrastructure (Roads, Buildings, Schools, Dispensaries, Electric Lines, railways, etc.) on forest land, or which would require forest land in these facilities were diverted due to the Project.	No public facilities and administrative infrastructure (Roads, Buildings, Schools, Dispensaries, Electric Lines, railways line etc.) is coming in the alignment of the project. Hence there is no question of loss of facilities or there is diversion in the forest land. (Nil in view of the above)	N/A	N/A
5.	Environmental losses( Soil, Erosion, effect on hydrological cycle wildlife habitat microclimate upsetting of ecological balance)	Total area for diversion: 14.5510 Hac. Assumed Forest Density=1 Environmental loss per year@126 Lacs/Hactare to accrue over a period of 50 Years=18.33 Crore Benefit to the economy=344.13 Crore/Year since this Project will yield much more returns to the government and it will give a positive cost benefit ratio <b>Negligible in view of the above</b>		
6.	Suffering to ousters	No family/person is being displaced on account of construction of the project. In view of this there is no suffering to ousters. (Nil in view of the above)		

Date: 02-01-2016

Place:-Rohru

  
Sr. Manager (Project),  
HPPTCL, Dina, Projects)  
Senior Manager (P)  
Distt Shimla (HP)  
Rohru Distt. Shimla (H.P)

  
Divisional Forest Officer,  
Rohru Forest Division, Rohru  
Rohru Forest Division  
ROHRU

Full Title of the Project: - **Construction of 132KV Double Circuit Transmission Line from Tangnu-Romai HEP to 66/132/220KV Pooling Station Sunda (Chirgaon) Tehsil Chirgaon District Shimla (HP).**

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ANNEXURE-VI©


**Parameters for Evaluation of Benefit,  
Notwithstanding Loss of Forests.**

S.No.	Parameters	ROADS, Tr. Lines & Railway Lines	Minor Projects	Irrigation/ Hydro & Projects & others
1	Increase in productivity attributable to the specific project.	NIL	N/A	N/A
2	Benefits to economy	344.13 Crore/Year	N/A	N/A
3	No of population benefited	1000000	N/A	N/A
4	Employment potential	100-150 ( During construction Stage)	N/A	N/A
5	Cost of acquisition of facility on non forest land whether feasible	Not feasible (Linear Project)	N/A	N/A
6	Loss of (a) agriculture & (b) animal husbandry production due to diversion of forest land	Neither such agriculture nor animal husbandry operations are being undertaken in the land coming in the alignment of the transmission line (Nil in view of the above)	N/A	N/A
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement	No family or person is being displaced because of the construction of this transmission line (Nil in view of the above)	N/A	N/A
8	Cost of supply of free fuel-wood to workers residing in or near forest area during the period of construction	No workers will reside in the forest area as this is not permissible under the Forest Conservation Act 1980 and the workers will be provided with LPG connections in the mess canteen to be set up in the residential areas (Nil in view of the above)	N/A	N/A

Date: 02-01-2016

Place:-Rohru

  
Sr. Manager (Project),  
HPPTCL Divn Rohru,  
Distt Shimla (HP).

  
Divisional Forest Officer,  
Rohru Forest Division, Rohru  
Rohru Forest Division  
ROHRU



# Area Selected for Compensatory Afforestation on SOI Sheet

Rai Ghat



*[Signature]*  
 Sr. Manager (Projects)  
 HPPTCL, Division,  
 Rohru Distt. Shimla (H P)

*[Signature]*  
 Divisional Forest Officer  
 Rohru Forest Division  
 ROHRU