

No: 15448/CF.

H.P. Forest Department.

Dated Rohru, the 27.11.2015

From: D.F.O. Rohru. To: C.F. Shimla.

Subject: Diversion of 14.55.10 hac of forest land for the construction of 132KV D/C Transmission line from Tangnu-Romai HEP to 66/132/220 KV Pooling Station Sunda (Chirgaon) Tehsil Chirgaon Distt. Shimla H.P. within the jurisdiction of Rohru Forest Division Distt. Shimla HP.

Memo:

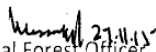
This is with reference to the endst.No.Ft.48-2929/2014(FCA) dated 8th Oct.,2015 by Nodal Officer-cum-Addl.Pr.CCF(FCA)O/O Pr.CCF,HP Shimla on the subject cited above.

2. The point wise reply/information sought by MOEP GOI Regional Office Dehradun is as under :-

1. The clear copy of Map showing the alignment on Sol sheet has been attached herewith.
2. The revised Digital map as per directions has been attached.
3. The revised C/B analysis has been attached alongwith annexure IVb and IVc.
4. The copy of SOI sheet showing area selected for CA has been attached.
5. The site inspection has been done twice i.e.22.2.2014 and 16.6.2015 by DFO Rohru and 19.12.2014 is the document signing date and alongwith complete FCA case.

It is, therefore, requested that the information/ reply may kindly be sent to higher authorities for according necessary approval under Forest Conservation Act,1980.

Encl: As above.


Divisional Forest Officer,
Rohru Forest Division, Rohru.

CHECK LIST SERIAL NUMBER: 5



LEGEND

ROUTE NO.	SYMBOL
ROUTE-1	—
ROUTE-2	—
ROUTE-3	—

sa

SHARDIA ASSOCIATES

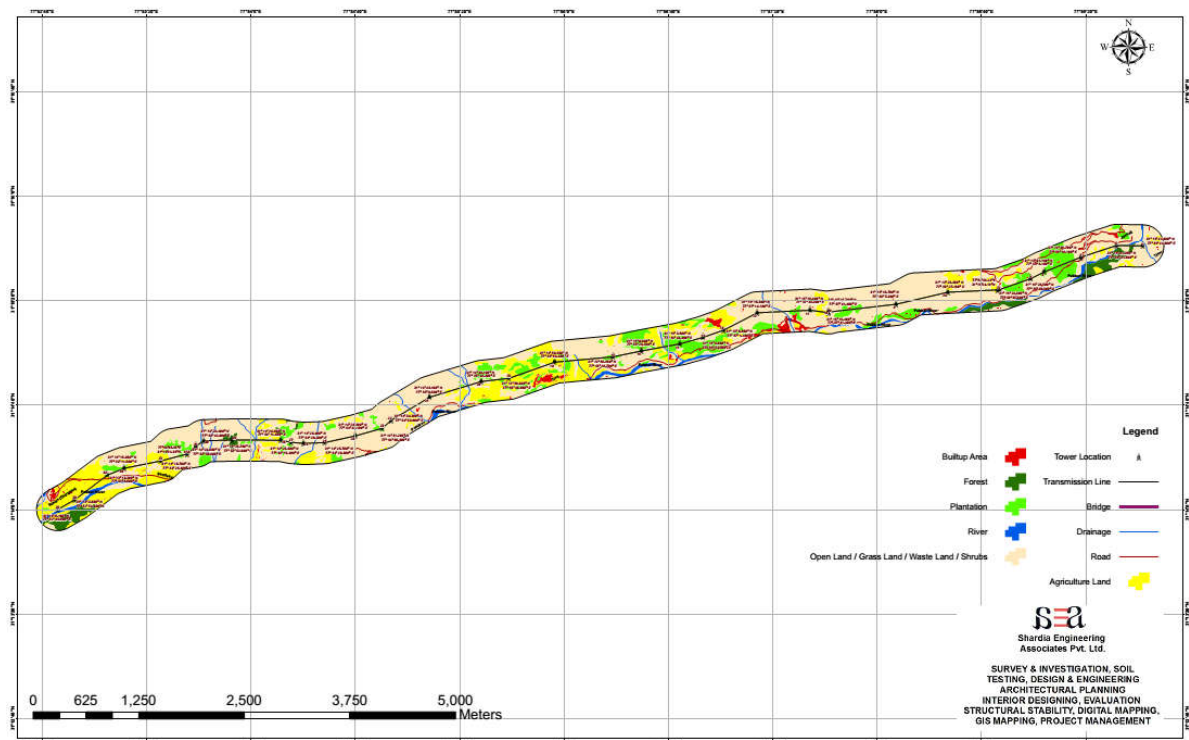
CLIENT: HPPTCL DIVISION, ROHRU

PROJECT: PRELIMINARY STUDY OF 132KV D/C TRANSMISSION LINE FROM TANENU REMAI HEP TO PROPOSED 132/220 KV COOLING STATION BUNDA (CHHISGARH)

DESCRIPTION: GSI MAPS
 DATE: JUN 2012
 SCALE: 1:5000
 SHEET NO. 1 OF 1
 DSDS-38/TRS-P101

HPPTCL Divn

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, Distt Shimla (HP).**

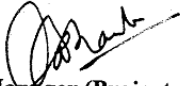
File No: _____


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>To the country: Better power availability for industrial commercial and domestic use</p> <p>To the state of Himachal Pradesh</p> <ol style="list-style-type: none"> Enhanced infrastructure through capital investment in infrastructure. Utilization of un-harnessed potential. Safety of forests as there will be single evacuation system for all the projects coming in the area. Lesser transmission losses, as the electricity will be transmitted through extra high voltage line. Wheeling charges from the IPPs who wish to transmit their power through open access. <p>About 300MW of power will be evacuated through this Transmission line @3.00per unit with 45% PLF per year, which works out to the tune of Rs 300.00x24x365x0.45x3.00 =354.780</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 will gain business because of the construction of the project	N/A	N/A
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	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

	diversion of the forest land			
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


Sr. Manager (Projects)
HPPTCL Division Rohru


Divisional Forest Officer
Rohru Forest Division Rohru
Rohru Forest Division
ROHRU

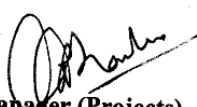
Full Title of the Project: - **Construction of 132KV Double Circuit Transmission Line from Tangnu-Romai HEP to 66/132/220KV Pooling Station Sunda (Chirgaon) Tehsil Chirgaon, Distt Shimla (HP).**

File No: _____

Date of proposal: _____

**PARAMETERS FOR LOSS OF FORESTS
ANNEXURE-B**

Sr. No	PARAMETERS	QUANTITY	Value in Rs. over a period of 50 Years
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	NIL
2	Loss of animal husbandry productivity including loss of fodder.	There are no animal husbandry operation existing or proposed in the area under consideration (Nil in view of the above)	NIL
3	Cost of human resettlement	No human relocation is involved due to this project (Nil in view of the above)	NIL
4	Loss of public facilities and administrative infrastructure (Roads, Buildings, Schools, dispensaries, electrical lines, railway lines etc.) on forest land or which would require forest land if these facilities were diverted due to the project.	No public facilities and administrative infrastructure (roads, Buildings, schools, dispensaries, electric line railway 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)	NIL
5	Environmental losses: Social erosion, effect on hydrological cycle, wild life habitat, micro climate upsetting of ecological balance.	Total area for diversion:- 14.5510 Ha Assumed Forest Density: 0.19 Environment loss per year @2.14 lacs/hectare to accrue over a period of 50 years=0.3492Crore. Benefit to the economy=354.780-0.3492=354.430 Crore Since this Project will yield much more returns to the government and it will give a positive cost benefit ratio Negligible in view of the above.	NIL
6	Suffering of ouster	No family/Person is being displaced on account of construction of the project. In view of this there is no suffering to ousters.	NIL


Sr. Manager (Projects)
HPPTCL Division Rohru


Divisional Forest Officer
Rohru Forest Division Rohru
Rohru Forest Division
ROHRU

ANNEXURE-VIC

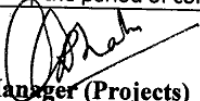
**Parameters for Evaluation of Benefit,
Notwithstanding Loss of Forests.**


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, Distt Shimla (HP).**

File no: _____

Date of proposal: _____

S.No.	Parameters	ROADS, Tr. Lines & Railway Lines	Minor project	Irrigation/ Hydro & Projects & others
1	Increase in productivity attributable to the specific project.	300MW	N/A	N/A
2	Benefits to economy	Yes 354.780Crores	N/A	N/A
3	No of population benefited	1000000	N/A	N/A
4	Employment potential	Yes (during construction Stage)	N/A	N/A
5	Cost of acquisition of facility on non forest land whether feasible	Not feasible	N/A	N/A
6	Loss of (a) agriculture & (b) animal husbandry production due to diversion of forest land	NIL	N/A	N/A
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement	Project involves no rehabilitation	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	NIL	N/A	N/A


Sr. Manager (Projects)
HPPTCL Division Rohru


Divisional Forest Officer
Rohru Forest Division, Rohru
ROHRU

Area Selected for Compensatory Afforestation on SOI Sheet

Rai Lad



[Signature]
Sr. Manager (Projects)
HPPTCL, Division,

[Signature]
Divisional Forest Officer
Rohru Forest Division