

No. C-28-b-1599/ FCA (Online)/Rohroo/ 2003

Himachal Pradesh Forest Department

Dated, the Shimla-02 20.05. 2016

From:

CF Shimla

To: Nodal Officer-cum-Addl.Pr. CCF (FCA) O/o Pr.CCF (HoFF) HP, Shimla-I.

Subject:

Diversion of 14.5510 ha of forest land for the construction of 132 KV D/C Transmission Line Tangnu-Romai HEP to 66/132/220 KV Pooling Station Sunda (Chirgaon) Tehsil Chirgaon District Shimla, HP within the jurisdiction of Rohroo Forest Division, Distt. Shimla, Himachal Pradesh.

Memo:

Kindly refer to your office endst. No. Ft.48-2929/2014(FCA) dated

06.02.2014 on the subject cited above. The point wise clarification desired vide above quoted reference is

given as under:

- 1. Needful has been done now by User Agency.
- 2. Revised performa VI b and VI c and cost benefit ratio is enclosed herewith.
- 3. Digital map of area proposed for CA in the shape of hard copy as well as soft copy is enclosed herewith.
- 4. District proposal w.r.t. CA stipulation is corrected now. Hard copy of revised part-II is also enclosed herewith.
- 5. Needful has been done now.
- 6. EQO class is reviewed and found correct.

Encl: As above.

Conservator of Ferests Shimla Forest Circle

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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 Chrigaon District Shimla (HP).

ile No:	
Date of proposal:	

Cost Benefit Ratio Chart

Sr. No	PARAMETERS	Amount (Crores)	Remarks
1	Total Cost (Investment incurred)		
(A)	Construction cost of Project	36.00	
(B)	N.P.V. amount to be deposited @6.99 Lacs/Hac 14.55.10=1.017 Crore	01.02	
(C)	Substitute/Alternation Plantation Cost to be Deposited 2X14.5510X177845=5175655	00.52	
(D)	Maintenance charges for 30 year	3.00	Average maintenance charges for 30 years@0.10crore/year=3.00 crore.
	Total	40.54	
2	Benefits: Benefits from (Taking Age of line as 30 Years)		of area being will be not
(A)	Economics Benefits- Market Development Taking yearly amount of wheeling charges@0.1/Unit for the generated units of 300MW P/H= 225x365x24x100x0.1=19.71 Crores per year, So profit for 30 Years=19.71x30=591.3	591.3	Assuming 75% average power generation against maximum generation capacity for the complete year. 75% of 300MW=225MW
(B)	Direct Employment of Labours: Skilled Labour 5 No @ 500 per day for 30 Years= 5x500x365x30=2.7 Crore	4.67	
	1x800x365x30=0.87 Crore	ia, telli life hebi canor soli aroste Civil souta land	
(C)	Employment Generation Due to other activities Setting of small industries in the surrounding area due to availability of electricity supply. Take 100 people get per month @ 300/-=0.030 Crores. Benefit for 30 years=0.030x30=0.9 Crores.		
	Total	596.87	
(D)	Therefore construction of said Trans Line is economically viable and socially beneficial		

Profit Loss Ratio:-

Profit	Loss
596.87	40.54
14.72	1

Sr. Manager (Projects), HPPTCL Division Rohru, Divisional Forest Officer, 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 Chrigaon District Shimla (HP).

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PARAMETERS FOR LOSS OF FORESTS ANNEXURE-VI (B)

Sr. No	PARAMETERS	Road, Trans Line Railways lines. QUANTITY	
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.	Loss of timber ect. Taken as out turn of District Shimla having cost of Rs 9.20 per hectare. No minor forest product grows in these lands and therefore question of its harvesting does not arise	
2	Loss of animal husbandry productivity including loss of fodder.	Loss of Grass and Fodder product 50 Qtl Costing Rs. 2500.00	
3	Cost of human resettlement	No one is to be ousted and hence will be no human settlement.	
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. The construction of Transmission line will improve reliability and improve the low voltage problem	
5	Environmental losses: (Social erosion, effect on hydrological cycle, wild life habitat, micro climate upsetting of ecological balance).	There will be no adverse effect on hydrology cycle, wild life habitat or microclimate and will not cause soil erosion Area of the reserve forest and Civil soam land i.e. 14.55.10 Hac. will be paid for NPV /Environment value of forest land as: i) Forest having less than 10% Forest cover= 6.99 Lacs per Hac. ii) Forest having 10% to 40% forest Cover =8.97 Lacs per Hac. iii) Forest having more than 40% forest cover 9.91 Lacs per Hac.	
6		The Project will not affect any oustees.	

Sr. Manager (Projects)
HPPTCL Division Rohru

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Parameters for Evaluation of Benefit, Notwithstanding Loss of Forests.

ANNEXURE-VI©

File no:	

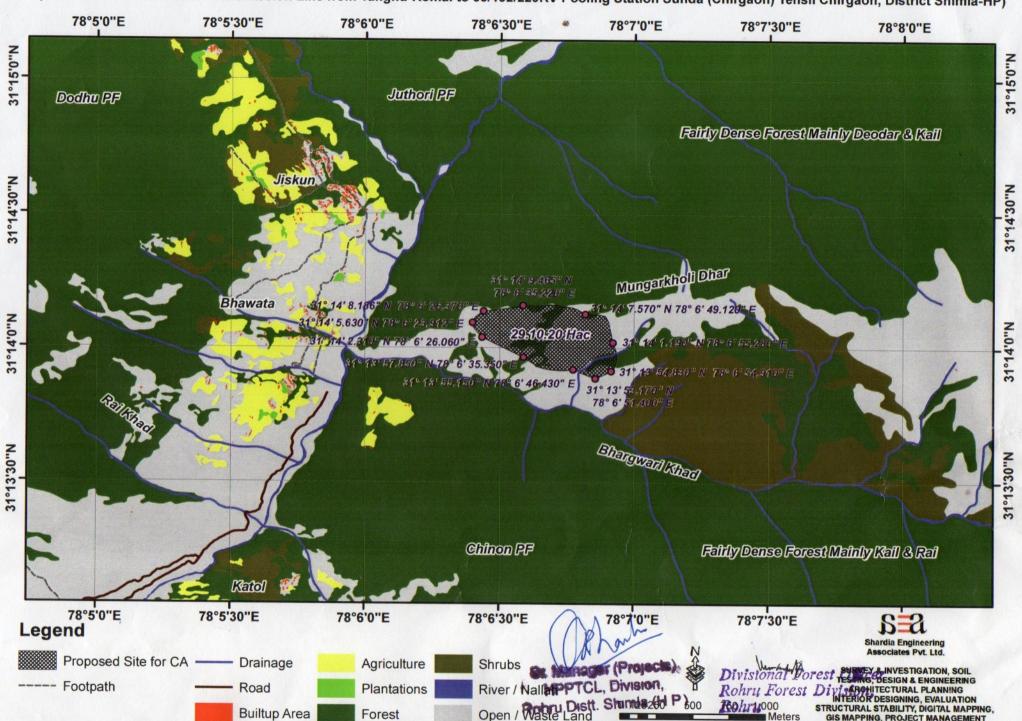
ributable to the specific	The above Transmission line is very important in respect of evacuation of Power from Tangnu-Romai HEP-I ,Tangnu-Romai HEP-II, Tangnu-Romai HEP-III, Chander Nahan, Janglik-I & II , Supin , Sungru and other HEP's coming in Pabber Valley of District Shimla HP. Wheeling charges@0.1/Unit for the generated units of 300MW P/H= 225x365x24x100x0.1=19.71 Crores per year, So profit for 30 Years=19.71x30=591.3 After construction of this line —Govt. of HP state and other states will be benefited. During the construction period of Line i.e. about 6 months approximately 50 persons will be engaged in construction activities.
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	During the construction period of Line i.e. about 6 months approximately 50 persons will be engaged in construction
nployment potential	approximately 50 persons will be engaged in construction
ost of acquisition of facility on on forest land whether feasible	Non forest land not required
oss of (a) agriculture & (b) imal husbandry production to diversion of forest land	There will be no loss of agriculture and animal husbandry production as sufficient forest land is available.
ost of rehabilitating the splaced persons as different om compensatory amounts ven for displacement	Dehabilitation not required
ost of supply of free fuel- ood to workers residing in or ear forest area during the eriod of construction	Kerosene and LPG will be provided by the user agency during
	splaced persons as different om compensatory amounts ven for displacement ost of supply of free fuel- ood to workers residing in or ear forest area during the

Sr. Manager (Projects)
HPPTCL Division Rohru

EFFICE Division Robes.

Divisional Forest Officer Rohru Forest Division, Rohru Digital Land Use Map for Compensatory Afforestation

(C/o 132KV Double Circuit Transmission Line from Tangnu-Romai to 66/132/220KV Pooling Station Sunda (Chirgaon) Tehsil Chirgaon, District Shimla-HP)



File r	10:										
Date	of proposal	l:									
			PAR	II T							
	(TO BE	FILLED BY CONCERN		PUTY al No.				OF F	ORE	STS)
7.		ION OF THE CT/ SCHEME:					I	Detail	ls as	und	er
(i)	State /Un	nion Territory					H	Iimac	hal l	Prade	esh
(ii)	District							S	him	la.	
(iii)	Forest Di	ivision					For	est D	ivisi	on R	ohru
(iv)	Area of f	orest land proposed for d	ivision	(in Ha)				14.	55.1	0Ha	
(v)	Legal status of forest UPF Total= 14.55.10										
(vi)	Density o	of vegetation					Less th	nan 10)%	in .	
(vii)	Species-v	wise (Scientific names) and	nd diam	eter cla	ss wise	e enu	meratio	n of t	rees		
		To						T	T		
	Sr. No.	Name of Species	V	IV	III	IA	IIA	IIB	IC	ID	Tot
	Sr. No.		V	IV 2	1III 1	1A 0	11A 0	IIB 0	IC 0	ID 0	Tot
	Sr. No.	Name of Species	1 0		1 0						
	Sr. No. 1 2	Name of Species (Pinus Walichina) Kail	V 1 0 4	2	1 0 1	0	0	0	0	0	
(viii	2	Name of Species (Pinus Walichina) Kail (Cedrus Deodara) deodar	5	2 0 11	1 2	0 0	0	0 0	0 0	0 0	0 16

Approximate distance of proposed site for diversion from

(ix)

boundary of forest.

the hard rocky strata.

7-8 Km

(xii) Whether any rare/endangered/unique species of flora and fauna found in the area-if so details thereof. (xiii) Whether any protected archaeological/ heritage site/defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required. 8. Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area itemwise with details of alternatives examined. 9. Whether any work in violation of the act has been carried out (Yes/No.) If yes, details of the same including period of work did, action taken on erring officials. Whether work in violation is still in progress. 10. Details of compensatory afforestation scheme: i). Details of non forest area/degraded forest identified for company afforestation, its distance from adjoining forest, number of patches, size of each patch. 11. Map showing non-forest/degraded forest area identified for compensatory afforestation, and adjoining forest boundaries. 12. Whether any protected archaeological/heritage stream of the act has been carried out (Yes/No.) If yes, details of the same including period of work did, action taken on erring officials. Whether work in violation is still in progress. 13. Details of compensatory afforestation scheme: ii) Details of non forest area/degraded forest identified for compensatory afforestation scheme is attached. 14. Attached Attached Attached Attached Attached Attached 15. Compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc. (iv) Total financial outlay for compensatory afforestation scheme. (v) Certificate from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (to be signed by the concerned Deputy Conservator of Forest) Site inspection report of the DCF (to be enclosed) especially highlighting facts	//	Whether forms part of national park, wild life sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (If so, the details of the area and comments of the Chief Wildlife Warden to annexed).	No
site/defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required. 8. Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area itemwise with details of alternatives examined. 9. Whether any work in violation of the act has been carried out (Yes/No.) If yes, details of the same including period of work did, action taken on erring officials. Whether work in violation is still in progress. 10. Details of compensatory afforestation scheme: i) Details of non forest area/degraded forest identified for company afforestation, its distance from adjoining forest, number of patches, size of each patch. 11. Whether any work in violation of the act has been carried out (Yes/No.) If yes, details of the same including period of work did, action taken on erring officials. Whether work in violation is still in progress. 12. The compensatory afforestation scheme: i) Details of non forest area/degraded forest identified for compensatory afforestation, and adjoining forest, number of patches, size of each patch. 13. Whether any work in violation of the act has been carried out (Yes/No.) If yes, details of the same including period of work did, action taken on erring officials. Whether work in violation is still in progress. 14. Attached 15. Attached 16. Attached 17. Attached 17. Attached 18. Attached	(xi)	Whether any rare/endangered/unique species of flora and	No rare endangered species of flora or fauna is found in the area.
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	11.	Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col. 7(xi, xii), 8 and	Attached
(i) Geographical area of the district 12 Division/District Profile 13 (i) Geographical area of the district 14 (i) Geographical area of the district	12	Division/District Profile	170705Ha of this division

	(ii) Forest Area of the districts	Demarcated:- 24503.97 Ha Un Demarcated:-57260.02 Ha
	(iii) Total forest area diverted since 1980 with Number of cases.	=202-80-73Ha=64 Cases
	(iv) Total compensatory afforestation stipulated in the District/Division since 1980 as on 31-03-2016	
(a)	Forest land including penal compensatory afforestation	482-49-70 Ha
(b)	Non Forest land	Nil
(c)	Progress of compensatory Afforestation as on. 31-03-2016	
	(a) Forest land.	284-03-87 Ha
	(b) Non Forest land.	Nil
13.	Specific Recommendation of the DCF For acceptance or otherwise of the proposal with reasons.	The proposal is recommended for approval please.

Dated 19.5:16
Place Rome

Divisional Forests Officer, Rohru Forest Division, Rohru Rohru