

Full Title of Project: Construction of 132 kV MCT line from 220/132/33 KV HPPTCL Sub-station Andheri to Tower No. 20-21 of 132 kV Jamta-Kala Amb Transmission line in District Sirmour (H.P.).

File No.

Date of Proposal:

CHECK LIST Sr. No. - 29

COST BENEFIT ANALYSIS

Estimate for Cost of Forest Diversion.

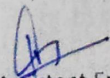
Sr. No.	Parameters	Remarks
1	Ecosystem services losses due to proposed forest Diversion	1,70,86,795/- (NPV)
2	Loss of animal husbandry productivity, including loss of fodder	17,08,679 /- as 10% of NPV
3	Cost of human resettlement	---Nil--- No human resettlement is required in the proposed project.
4	Loss of Value of Timber, Fuel wood & minor forest Production.	90,63,945 /-
5	Loss of public facilities and administrative infrastructure (roads, buildings, schools, dispensaries, electric lines, railways etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	No such infrastructure will be affected by the proposed project.
6	Possession value of forest diverted.	51,26,038 /- as 30% of NPV
7	Cost of suffering to ousters.	The social cost of rehabilitation of ousters (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&P plan) be worked out as 1.5 times of what he/she should have earned in two years had he/she not been shifted. As per point no. 3 above, no resettlement is needed in this project.
8	Habitat fragmentation cost	85,43,397 /- as 50% of NPV
9	Compensatory Afforestation, soil and moisture conservation cost.	35,01,806 /-
	Grand Total	4,50,30,660 /-

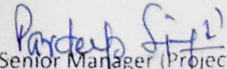
Existing Guidelines for Estimating benefits of Forest Diversion in CBA.

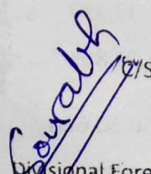
Sr. No.	Parameters	Remarks
1	Increase in production attribute to the specific project.	With the construction of 132 kV MCT line from 220/132/33 KV HPPTCL Sub-station Andheri to Tower No. 20-21 of 132 kV Jamta-Kala Amb Transmission line an approximate 200 MVA of power gets added in the system and accordingly present & futuristic demands of the industrial/domestic consumers will be met which will proportionately increase the production as well.
2	Benefits to economy due to specific project.	Rs 349.16 Lakhs will be annual financial benefit with the increase in power available, there will be an increase in the production of existing as well as upcoming industrial units which will further provide direct and indirect employment and influence economical growth of the state.
3	No. of population benefit due to specific project.	As per detailed note attached at check list Sr. No 4.
4	Economic benefits due to direct and indirect employment due to the project.	Approximately 18240 men days shall be generated during construction of the project and about 20 persons will get regular employment, thus, assuming total economic benefit can be estimate to Rs. 91,20,000
5	Economic benefits due to compensatory afforestation.	The proposed diversion of Forest land is 17.84 ha. The land shall be brought under CA. The Economic benefit due to the compensatory afforestation worked out as per schedule of plantation programme.
	Total financial benefit of the project	349.16+ 91.20=440.36 Lakhs
Thus assuming project life 50 years, total benefit will be =22,018 Lakhs		
Total cost of forest diversion =450.306 Lakhs		
Benefit / cost ratio =48.89		

Date: 28/09/2022

Place: Nahan.


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