


CHECK LIST SERIAL NUMBER-

COST BENEFIT ANALYSIS
CATEGORY OF PROPOSALS FOR WHICH COST BENEFIT
ANALYSIS IS APPLICABLE


S. No.	Nature of Proposal	Applicable/ Not Applicable	Remarks
1.	All categories of proposals involving forest land up to 20 ha in plains and up to 5 ha in hills.	Not applicable	---
2.	Proposal for defense installation purposed and Soil prospecting	Not applicable	---
3.	Habitation, establishment of industrial units, tourist lodges complex and other building construction	Not Applicable	---
4.	All other proposals involving forest land more than 20 ha in plains and more than 5 ha in including hills transmission lines minor medium and major irrigation projects, hydel projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centers, TV towers etc.	Applicable	Cost benefit analysis enclosed in two succeeding sheets

Date 29/9/18
Place Saboom


Manager
Fricus Him Energies

COST BENEFIT ANALYSIS
Estimation of cost of forest diversion

S.No.	Parameter	Remarks
1.	Ecosystem services losses due to proposed forest diversion	Negligible because Siul-IV Hydro - electric project is essentially a run of the river development scheme on Siul Nallah in Chamba District of Himachal Pradesh . The proposed scheme envisages diversion of Siul inflows at about 200 m downstream of confluence of Siul and Sanghni through a trench weir and will be led to a surface de-silting tank. The silt free water from de-silting tank will be lead to forebay through a 1.455 km long headrace tunnel of size 3.0 m modified D – shaped. The water from forebay will be led to power house through a 1.75 m dia. approximately 124 m long penstock bifurcating near power house to feed two no. of horizontal axis Francis turbine driven generating units in a surface power house which causes no any Environment losses
2	Loss of annual husbandry productivity including loss of fodder.	Nil
3	Cost of human re-settlement	Nil
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines railway etc) on forest land or which would require forest land if these facilities were diverted due to the project.	The development of the project will not hamper any public facilities and administrative infrastructure. Therefore no such losses will occur. On the contrary, Project proponent has provision fund @ 1% of project cost for Local Area Development under LADA and 1% of saleable unit per annum towards LADF after COD.
5.	Possession value of forest land diverted.	15.90 Lakh /30% as per market circle rate in Division Churah (Salooni) District Chamba
6.	Cost of suffering to oustees .	Nil
7.	Habitat Fragmentation cost.	Nil
8.	Compensatory afforestation and soil & moisture conservation cost.	35.35 Lakh


 Manager
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COST BENEFIT ANALYISS PARAMETERS FOR ECVALUATION OF BENEFIT NOT WITH STANDING OF LOSS OF FORESTS.

(ANNEXURE- V1 (b) OF Forest Conservation Act 1980)

S. No.	Parameters	Nature of Proposal-Irrigation/Hydel Project and Others	Cost Benefit
1	Increase in productivity attributable to the specific Project	a) Primary design energy per annum b) Net design energy (available at interconnection point after deducting Royalty & Free Power to State Govt. Consumption for auxiliaries & other losses) per annum - For first 12 years (6%+0.5%+0.5%+1%) - For next 18 years (15%+0.5%+0.5%+1%) - For rest of the period(24%+0.5%+0.5%+1%)	20.75 MU 19.09 MU 17.22 MU 15.35 MU
2	Benefit to economy	a) Av. Cost of saleable net design energy @ Rs. 3.70 per unit per annum b) Development works to be done through LADA @ 1% of Project Cost. c) 1% energy to be given against LADF.	Rs. 6.4 Cr Rs. 0.35 Cr 0.2 MU
3	No. of Population benefit	Assume that 150 families of villages Jaladi,Digori ,Jalout ,Ranjani and Sannoh will be benefited directly or indirectly.	---
4	Employment potential	Assume that 50 persons will get employment for 2 years at minimum wage i.e. Rs. 6,300 p.m.	Rs. 6.30Lakh
5	Cost of acquisition of facility on non-forest land wherever feasible	Nil	---
6	Loss of a) Agricultural and b) Animal husbandry production due to diversion of forest land	Nil	---
7	Economic benefits due to compensatory afforestation	The compensatory afforestation amount will be deposited to forest department .These will be various employment generated for execution as well as the CA work .As per the calculated amount approximate 14,000/- rupees Men days will be generated presuming 250 rupees as per day wages .Along with this plantation will also increase the forest cover substantially along with the increasing the environmental eco system .	---

Dated

Place. Salooni


 Manager Ramshan
 Friends Him Energies
 Project Manager
 M/S Friends Him Energies