


KAHRGONE TRANSMISSION LIMITED

(765 kV D/C Hexa KHANDWA- DHULE TRANSMISSION LINE)

PARAMETERS FOR EVALUATION OF LOSS OF FOREST



Sr. No	Parameters	Statement of Transmission Project
1	Loss of value of timber, fuel wood and minor forest produce on an annual basis, including loss of man-hour per annum of people who are deprived livelihood and wages from the harvest of these commodities	All the reference parameters were qualified in the Net present value (N.P.V) for forest land suggested by central empowered committee constituted by supreme court of India. As per the proposed 765 KV D/C Hexa Khandwa-Dhule line include NVP Rs. 6.26 lakhs per/ha. for afforestation and 8.03 lakh for cost of land Hence total cost due to loss of project due to diversion of 39.437 Ha. Forest land for the present project total Rs. 5.64 crores.
2	Loss of animal husbandry productivity including loss of fodder	Qualified in N.P.V suggested by central empowered committee and including in the N.P.V as mentioned above
3	Cost of Human resettlement	There is no human settlement due to proposed 765 KV D/C Hexa Khandwa-Dhule line.
4	Loss of public facilities and administrative infrastructure (Road building schools, Dispensaries, electric lines, Railway etc.)on forest land which would require forest land if these facilities were diverted due to the project.	There is no loss of public facilities and administrative infrastructure due to the diversion of this forest land.
5	Environmental losses (soil erosion, effect on hydrological cycle wildlife habitat microclimate. Upsetting of ecological balance)	The project is expected to have no impact on environment.
6	Suffering to oustees	Not Applicable
7	Total cost due to forest land diversion for the project	5.64 Crores

(Shrishail Shirur)




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PARAMETERS FOR EVALUATION OF LOSS OF FOREST NOT WITH STANDING LOSS OF FOREST		
Sr. No	Parameters	Statement of Transmission Project
1	Increase Productivity attributable to the specific project	The power transmission benefit due to 765 KV D/C Hexa Khandwa-Dhule transmission line with total 3255 Cr in maintenance life 35 years. It will be increase economy growth of the project.
2	Benefits to economy	The benefit from the transmission line is more than Rs 93 Cr per year to the nation or Rs 3255 Cr in 35 years if flow of power is continued through this transmission system whereas the cost of project including the compensation against forest area involved, interest during construction and other miscellaneous expenditure is Rs 466 Cr which is very less compared to Profit from this transmission line project.
3	No of Population benefited	During the construction period 1000 labour will be benefitted. After completion of project 20 people will be benefitted in O&M activities.
4	Employment potential	The project will provide employment for approximate 100 people during construction period of 24 months. Total man days =72000 man days
5	Cost of acquisition of facility on non forest land where is feasible.	No acquisition of non forest land will be done. Hence the cost will be nil.
6	Loss of (a) agricultural & (b) non forest land wherever feasible.	The forest area under the 765 KV D/C Hexa Khandwa-Dhule line is already protected entity and hence, there will not be any impact on agriculture and husbandry.
7	Cost of rehabilitating the displaced persons as different from compensatory amount given for displacement.	(NIL). There is no human settlement under the proposed transmission line project within forest area and hence there will not be any displacement of people from forest area for proposed 765 KV D/C Hexa Khandwa- Dhule line.
8	Cost of supply of free fuel wood to workers residing in or near forest and during the period of construction.	(NIL).The construction labours will be provided with labour camp and labours camp will be located out of forest area. An alternate fuel will be provided to them hence there is no tree cutting for fuel wood.
9	Total benefit due to project not with standing loss of forest .	Rs. 3255 Cr.

 (Shrikail Shirur)





COST BENEFIT ANALYSIS CALCULATION	
KAHRGONE TRANSMISSION LIMITED	
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Forest land proposed to be diverted	39.437 Hectare
Average density of forest	0.6
Total no. of trees	100 (App.)
Estimated tentative volume	140 CUM
Estimated timber	100 CUM
Estimated fuel volume	40 CUM

Item no	Description	Calculation		Amount (IN lakhs)
1	Evaluation of loss of value of timber, Fuel and Minor forest			
a	Value of timber	100*11114.59		11.11
b	Value of fuel	40*10855.42		4.34
c	Value of plant	NIL		0.00
d	Value of minor forest produce	60*39.437		0.02
	Total item (a+b+c+d)			15.48
2	Fire protection charges	25 RA	25*80*39.437	0.79
3	Loss of value of fodder(grass)	NIL	NIL	0
4	Cost of human resettlement	NIL	NIL	0
5	Loss of public facilities and administration infrastructures	NIL	NIL	0
6	Environmental loss	standard loss per hectare in fully	126.74*39.437*0.2	0.01
7	Total cost of land due to forest land diversion for the project	(6.26+8.03)*39.437		564.00
TOTAL				580.28

Say 580.28 lakhs approx.

(Shrishail Shirur)




Khargone Transmission Limited.

765kV D/C Hexa Khandawa-Dhule Transmission line

Cost Benefits Analysis



Total cost due to forest loss (Rs. In Cr)	5.8028
Total benefit due to project (Rs. In Cr)	3255
Total benefit ratio of project (Rs. In Cr)	3255/(5.8028)
B.C Ratio (In Cr)	560.94

So the profit due to this project is 560 times to the loss incurred by this project

Date: 14.11.2016

Place: Khargone

Signature:

(Shrishail Shirur)



Name in Block Letter: S S SHIRUR

Designation: Project Head

Office Seal:

