



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड Nuclear Power Corporation of India Limited

(भारत सरकार का उद्यम Government of India Enterprise)

कैगा बिजली उत्पादन केंद्र 1 व 2 Kaiga Generating Station 1 & 2



जलील बारगीर Jalil Bargir
प्रभारी अधिकारी (इन्फ्रा-सिविल)
Officer in-Charge (Infra-Civil)

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NAME OF THE WORK: CONSTRUCTION OF AN ALTERNATE ROAD TO CONNECT NPCIL KAIGA SITE AND MALLAPUR VILLAGE, HOBLI GHADASAYI, KARWAR TALUK, UTTARA KANNADA DISTRICT.

Table B: COST BENEFIT ANALYSIS

SL.NO	PARAMETERS	REMARKS
1	Ecosystem services losses due to proposed forest diversion.	<p>Economic value of loss of eco-system services due to diversion of forests shall be the net present value (NPV) of the forest land being diverted as prescribed by the Central Government (Mo KF&CC).</p> <p>All the reference parameters were qualified in the net present value for the forest land suggested by Central Empowered Committee constituted by Supreme Court of India.</p> <p>Presently NPV per Ha is 10.43 lakhs per Ha</p> <p>Hence total N PV cost due to forest Diversion for 3.4744 Ha is as below $3.4744 \text{ Ha} \times \text{Rs } 10.43 \text{ Lakhs} = \text{Rs } 36.23 \text{ Lakhs}$</p>
2	Loss of animal husbandry productivity, including loss of fodder.	<p>10% of N PV</p> <p>Hence Rs 3.62 Lakhs.</p>
3	Cost of human resettlement.	<p>There is no human resettlement in the proposed forest land being diverted to the said project. Hence it is not applicable.</p>
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	<p>There is no loss to public facilities and administrative infrastructure on forest land of this project.</p>
5	Possession value of forest land diverted.	<p>30% of environmental costs (NPV) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possession value of forest lands whichever is maximum.</p> <p>Considering the 30 % of the NPV, the possession value will be Rs 10.86 lakhs</p>
6	Cost of suffering to oustees.	<p>Not applicable since there is no resettlement from forest area for development of said project.</p>
7	Habitat Fragmentation	<p>There is no fragmentation of any habitat involved in this.</p>



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 Kaiga Generating Station, Kaiga Site.

Sl. No.	Cost.	
8	Compensatory Afforestation, soil and moisture conservation cost.	<p>The proposed forest land is to carry out construction of approach road existing forest coupe road. Hence the project is expected to have only minor impact on environment.</p> <p>Compensatory Afforestation cost in double the area of degraded forest land is estimated to be 71.27 Lakhs</p>

Table C-Existing guidelines for estimating benefits of forest-diversion in CBA

Sl. No.	Parameters	Remarks
1	Increase in productively attribute to the specific project	No increase in productively attribute to the specific project
2	Benefits to economy due to the specific project.	The construction of approach roads leads to various developmental projects of NPCIL Kaiga Project/ Operation of existing smooth and safe operation of existing installed nuclear reactors.
3	No. of population benefitted due to specific project	No population is benefitted as because it's just a approach to road Kaiga NPCIL Township.
4	Economic benefits due to of direct and indirect employment due to the project.	No direct employment benefits. indirect employment to 100 persons.
5	Economic benefits due to compensatory afforestation	

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 कैगा बिजली उत्पादन केंद्र
 Kaiga Generating Station