



## COST BENEFIT ANALYSIS

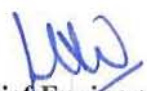
TABLE-A

**CASES UNDER WHICH A COST-BENEFIT ANALYSIS FOR FOREST DIVERSION ARE REQUIRED**

S.No.	Nature of proposal	Applicable/Not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hills	Applicable	Erection of 400 kv overhead DC line from Kethireddipally 400 kv SS to 400 kv Rayadurg GIS (TSPA junction to ORR junction) (12 KM) along outer side of ORR
2	Proposal for defence installation purposes and oil prospecting(prospecting only)	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 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.,	Not applicable	

  
Executive Engineer  
400 KV/Const-II/Metro,  
Erragadda/Hyderabad


  
Superintendent Engineer  
400 KV/Construction,  
Metro/Erragadda/Hyderabad


  
Chief Engineer  
400 KV/ Vidyut Soudha,  
Hyderabad


**TABLE-B:**

**ESTIMATION OF COST OF FOREST DIVERSION**

S.No	Parameters	Remarks
1	Ecosystem services losses due to proposed forest diversion	NPV=8.03 Lakhs per Ha . 8.03* 6.7076 Ha =54.41128 Lakhs.
2	Loss of animal husbandry productivity, including loss of fodder	10% of NPV is applicable
3	Cost of human resettlement	Not Applicable.
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	Doesn't Arise
5	Possession value of forest land diverted	30% of NPV is applicable
6	Cost of suffering to oustees	Not Applicable.
7	Habitat Fragmentation cost	50% of NPV is applicable
8	Compensatory afforestation and soil & moisture conservation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance as prepared by the State Forest Department.

  
Executive Engineer  
400 KV/Const-II/Metro,  
Erragadda/Hyderabad


  
Superintendent Engineer  
400 KV/Construction,  
Metro/Erragadda/Hyderabad


  
Chief Engineer  
400 KV/ Vidyut Soudha,  
Hyderabad

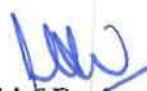
**TABLE-C**

**ESTIMATING BENEFITS OF FOREST DIVERSION IN CBA**

S.No	Parameters	Remarks
1	Increase in productively attribute to the specific project	Rapid industrialization is expected in and around Hyderabad area due to the huge development in IT corridor area near Hi-Tech city and Hyderabad surroundings due to presence of ORR. The anticipated load growth due to IT corridor to an extent of 500 MW is expected in the vicinity of Gachibowli and Rayadurg area. In future, it is expected that the load demand is also going to increase to larger extent around the ORR area.
2	Benefits to economy due to the specific project	
3	No. of population benefited due to specific project	30000 Man days employment generation
4	Economic benefits due to of direct and indirect employment due to the project	
5	Economic benefits due to Compensatory afforestation	Due to Compensatory Afforestation, the ecological balance of the State will be reminded as it is and there will be every possibility of developing an new eco system from the funds deposited by us.

  
Executive Engineer  
400 KV/Const-II/Metro,  
Erragadda/Hyderabad

  
Superintendent Engineer  
400 KV/Construction,  
Metro/Erragadda/Hyderabad

  
Chief Engineer  
400 KV/ Vidyut Soudha,  
Hyderabad