

Annexure VI-(a)

COST BENEFIT ANALYSIS

CATEGORY OF PROPOSALS FOR WHICH COST BENEFIT ANALYSIS APPLICABLE

Sl.No	Nature of proposals	Applicable/Not applicable	Remarks
1	2	3	4
1	All categories of proposals involving Forest land less than 2 Ha. In hills	NOT Applicable.	-
2	Proposals for defense 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 5 Ha. In plains and more than 2 Ha. In hills including roads, transmission lines, minor and major irrigation projects, hydel projects, mining activity, railway lines located specific installations like micro wave stations, auto repeater centers, Tv towers etc.	Applicable	-



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Annexure VI-(b)
PARAMETERS FOR EVALUATION OF LOSS OF FORESTS

Sl.No	Nature of proposals	Roads, TR lines and Railway lines	Minor irrigation projects & quarrying of stones /metals	Medium and Major Irrigation Hydro electric large mining and others.
1	2	3	4	5
1	Loss of value of timber fuel wood and minor forest produce on annual basis including loss of man hours per annum of people who derived livelihood and wages from the harvest of these commodities.	NOT Applicable.	NOT Applicable	The proposed area is of Rocky type/with scattered thorny bushes which yield no timber or fuel and no loss of forest wealth and no loss of human hours.
2	Loss of animal husbandry productivity including loss of fodder.	NOT Applicable.	NOT Applicable	There is no loss of animal husbandry and fodder in this area.
3	Cost of Human resettlement.	NOT Applicable.	NOT Applicable	Does not arise since there are no cases of rehabilitation of human under this project.
4	Loss of public facilities and administrative infrastructures (Roads, Buildings, schools, Dispensaries, Electric Lines Railways etc....) on forest land if these facilities were diverted due to the project.	NOT Applicable	NOT Applicable	There are no administrative structures like dispensaries school buildings, Railway & Electrical lines in this area.
5	Environment losses, oil erosion effect of hydrological cycles, wildlife habitat micro-climate upsetting of ecological balance.	NOT Applicable	NOT Applicable	Nil
6	Suffering to oustees	NOT Applicable	NOT Applicable	There are no oustees in the proposed area to be diverted.


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Annexure VI-(c)

PARAMETERS FOR EVALUATION OF BENEFIT NOT WITH STANDING LOSS OF FORESTS

Sl.No	Nature of proposals	Roads, TR lines and Railway lines	Minor projects	Irrigation Hydral projects & others.
1	2	3	4	5
1	Increase in productivity attributable to the specified project	NOT Applicable.	NOT Applicable	This project work is only to provide drinking water to enroute villages and tirupati temple town and surrounding villages and to irrigate 5,000 acres in drought mandals of YSR District.
2	Benefits to economy	NOT Applicable.	NOT Applicable	The benefits from this project is more than 10 crores per year to the nation (Rs.20,000/- per acre per year)
3	Employment potentiality	NOT Applicable.	NOT Applicable	Agricultural employment to 2,000 cultivators.
4	Number of population benefits	NOT Applicable	NOT Applicable	Villagers of Vontimitta and nandhaluru mandals of YSR District.
5	Cost of acquisition of facility of Non-Forest and wherever feasible	NOT Applicable	NOT Applicable	NOT Applicable
6	Loss of (a) Agriculture and (b) Animal husbandry production due to diversion of forest land	NOT Applicable	NOT Applicable	There will be no loss of agriculture or animal husbandry due to this project in the proposed area to be diverted
7	Cost of rehabilitation of the displaced persons has different from compensatory amount given for displacement	NOT Applicable	NOT Applicable	Does not arise as there are no displaced persons or families due to this project in the proposed area to be diverted
8	Cost of supply of free fuel wood to workers residing in or near forest area under the period of construction	NIL	NOT Applicable	NOT Applicable


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**GOVERNMENT OF ANDHRA PRADESH
WATER RESOURCES DEPARTMENT**

Annexure – VI ©

COST BENEFIT ANALYSIS

(1) PROJECT COST: 172.00 Crores.

(2) BENEFITS FROM PROJECT:

(a) To feed an ayacut 5,000 acres in Kadapa District.

(b) Drinking water in enroute villages, Tirupati temple town and surrounding villages.

(c) Yield per acre after supply of water from GNSS Main canal is Rs. 20,000/-

(d) Benefit to the national economy per year is 5,000 Acres X Rs. 20,000 = Rs.10.00 Crores

(e) The net benefit from GNSS Main Canal is for 100 years ($100 \times 10 = 1000$ Crores).

(3) COST BENEFIT RATIO: $172.00/1000 = 0.172$

The benefit from this project is more than 10 crores per year to the nation (i.e., Rs. 20,000/- per acre per year) whereas the cost of project including the compensation against forest area involved, expenditure is Rs. 172.00 which is very less in compared to profit from this project.



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COST BENEFIT ANALYSIS

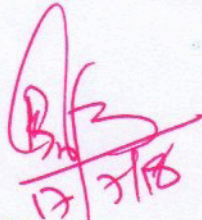
1. The area covering the portion of "Excavation of GNSS Main Canal from Km149.700 to Km 157.000 and from Km 158.000 to Km 163.500" in Vontimitta, Chintarajupalli, Patur and Cheyyeru R.F.

Benefit:

1. Drinking water for 6 Lakh populations in enroute villages, tirupati temple town and surrounding villages.
2. To irrigate an ayacut of 5000 acres in Kadapa district.

Conclusion:

In view of the above the environment costs are minimum vis-à-vis the economic benefits the project derives to the local population to to the state and country. The benefits far out weight the costs. It will gives an opportunity for the villagers to sustain in cultivation and irrigation as well as drinking water facilities as this is a drought prone area, since there is no alternative except through this forest portion.


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