

COST BENEFIT ANALYSIS

1. The Area covering the portion of Excavation of GNSS Main canal from KM 87.400 to Km 92.250 and from KM 93.450 to KM 94.800 in Ganganapalli RF, Gorlepalle beat, Vempalli Range of Kadapa Division.

Benefit:

- 1 Providing drinking water for enroute villages along the canal
- 2 To irrigate an ayacut of 12,000 Acres in Valluru and Pendlimarri Mandals
Kadapa District

Conclusion:

The present package i.e., Package 2, GNSS Phase II is part of the prestigious Galeru Nagari Srujala Sravanthi project intended to provide irrigation facility to 1.315 lakh Ha in Kadapa, Chittoor and Nellore districts along with drinking water facilities to enroute villages and designed with B.C ratio 1.68 @ 10 % interest on capital outlay as against the lower limit of 1.0 fixed for scarcity areas. The benefits far out weight the costs. It will give an opportunity for the villagers to sustain in cultivation and irrigation as well as drinking water facilities as this is a drought prone area. There is no alternative except through this forest portion.

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Annexure VI-(a)

COST BENEFIT ANALYSIS

CATEGORY OF PROPOSALS FOR WHICH COST BENEFIT ANALYSIS APPLICABLE

S. No	Nature of Proposals	Applicable/Not applicable	Remarks
1	2	3	4
1	All category of proposals involving Forest land less than 2 Ha in hills	NOT Applicable	
2	Proposals for dense installation purposes and oil prospecting (Prospecting only)	NOT Applicable	
3	Habitation, Establishment of Industrial units, tourist lodges/complex and other building constructions	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, mining activity, hydel projects, mining activity, railway lines located specific installations like micro wave stations, auto repeater centres, TV towers etc.	Applicable	

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

S. 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 derive 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 to 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 infrastructures (roads, Buildings, Schools, dispensaries, Electric lines in this area
5	Environment losses, soil 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 delivered

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Annexure VI-C
COST BENEFIT ANALYSIS

PARAMETERS FOR EVALUATION OF BENEFIT NOT WITHSTANDING LOSS OF FORESTS

S. 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	Increase in productivity attributable to the specified project	NOT Applicable	NOT Applicable	This project work is only to provide drinking water to surrounding villages enroute the canal and to provide irrigation for 12000 acres
2	benefits to economy	NOT Applicable	NOT Applicable	The Benefit-cost ratio works out to 1.68 at 10 percent interest on the capital outlay.
3	Employment potentiality	Not Applicable	Not Applicable	Agricultural Employment to the cultivators in 12000 acres.
4	Number of population benefits	NOT Applicable	NOT Applicable	Villagers of Valluru and Pendlimarri Mandals in Kadapa 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 as different from Compensatory amount given for displacement	NOT Applicable	NOT Applicable	Does not arise as there are no displaced persons are 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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Annexure –vi ©

COST BENEFIT ANALYSIS

1. PROJECT COST: 531.300 Crores

2. BENEFITS FROM ROJECT:

- a To irrigate an ayacut of 12,000 Acres in Valluru and Pendlimarri Mandals of Kadapa District
- b Providing drinking water for enroute villages along the canal
- c Eradication of returning famines from the area
- d Improvements in ground water recharges and storages and resultant drought proofing of th
- e Development of pisiculture
- f Promoting Industrial development in the command area
- g Improvements in Socio economic conditions of the people and raising of living standards
- h Development of orchards of plantations in the command area

3. COST BENEFIT RATIO: 1.68

The present package i.e., Package 2, GNSS Phase II is part of the prestigious Galeru Nagari Srujala Sravanthi project intended to provide irrigation facility to 1.315 lakh Ha in Kadapa, Chittor and Nellore districts along with drinking water facilities to 10 lakh people enroute villages and designed with B.C ratio 1.68 @ 10 % interest on capiltal outlay as against the lower limit of 1.0 fixed for scarcity areas. The weight the costs. It will give an opportunity for the villagers to sustain in cultivation and irrigation as well as drinking water facilities as this is a drought prone area.

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