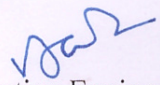


Cost Benefit Analysis For Majhgaon Tank of Panna District in the state of Madhya Pradesh

**MAJHGAON TANK SCHEME**

CATEGORY OF PROPOSAL FOR WHICH  
COST- BENEFIT ANALYSIS AS APPLICABLE

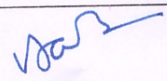
S.No.	Nature of proposal	Applicable not applicable	Remarks
1	All categories of proposal involving forest land up to 20 ha. In plain and up to 5 ha. in hills	Not Applicable	-
2	Proposal for defence installation purpose and soil prospecting (prospecting only)	Not Applicable	-
3	Habitation, establishment of industrial unit, tourist lodges construction	Not Applicable	-
4	All other proposal involving forest land more than 20 ha. In plain and more than 5 ha. In hills including roads, transmission lines minor medium and major irrigation projects, hydel projects minind activity railway lines location specific installation, like microwave station auto repeater centers, TV towers etc.	Applicable	-

  
Executive Engineer  
Water Recourses Division  
Panna (M.P.)

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PARAMETERS FOR EVALUATION OF LOSSES OF FORESTS

S.No.	Parameters	Irrigation project, quarrying of stones/metals
1	Loss of value of timber fuel-wood and minor forest produce on an annual basis, including loss of man- hours 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 in constituted by supreme Court of India. As per the forest are classification in central empowered committee report, the forest areas along The proposed Majgaon irrigation tank fall in to class III (tropical dry deciduous forests) Include N.P.V. Rs. 6.26 lakh per/ha. Hence total cost due to loss of project due to diversion of forest land for the present project totals Rs. 26.66 caror.
2	Loss of animal husbandry productivity, including loss of fodder.	Qualified in N.P.V. Suggested by central empowered committee and including in the NPV as mentioned above.
3	Cost of human resettlement.	There are no human settlements due to proposed Majgaon irrigation tank within forest area, hence there is no forest land for this project.
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways etc.) on forest land, or which would require forest land if these facilities were diverted due to the project.	There is no loss of public facilities and administrative infrastructure on forest land for this project.
5	Environment losses: (soil erosion, effect on hydrological cycle, wildlife habitat, microclimate upsetting of ecological balance)	Forest land coming under submergence area of Majgaon tank project only. No wildlife habitat will be affected due to submergence area of the project. Impact on microclimate due to tree cutting along the proposed alignment will be compensated with avenue plantation of thrice the number of tree to be cut with indigenous due to project. Hence the project is expected to have only minor impact on environment.
6	Suffering to oustees.	Not applicable
	Total Cost due to forest land division for the project	Rs. 26.66 caror.

  
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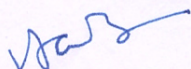
PERAMETERS FOR EVALUATION OF BENEFIT,

NOT WITHSTANDING LOSS OF FORESTS

S.No.	Parameters	Irrigation project
1	Increase in productivity attributable to the specific project.	The crop production benefits due to Majgaon Tank project with total Rs. 73.90 caror. in design life of 100 years and water level will be increase in surrounding area. It will be increase economy growth of the project.
2	Benefits to economy.	Majgaon Tank project will Trigger economy development in the project influence area with irrigation facility project will create irrigation facility in 13600 ha. At the surrounding area. The farmers will irrigated 13600 ha. By gravity flow or canal farmers will also life water by pump with their own arrangement to irrigation 13600 hac. Area available in the nearby field of dem.
3	No. of population benefited.	Since the project location in the backward area of the village. After completion of project 2500 cultivators will be befitted and water level will be increase surrounding area.
4	Employment potential.	The project will provide direct employment for approximate 250 people during construction period for 2 years.
5	Cost of acquisition of facility on non- forest land wherever feasible.	No human commodity will affected due to construction of project Hence cost of acquisition of facility on non forest land not applicable.
6	Loss of (a) agriculture & (b) animal husbandry production due to diversion of amount given for displacement.	The forest area under the Majhgaon Tank project is already protected entity and hence, there will not be any impact on agriculture and animal husbandry.
7	Cost of rehabilitating the displaced person as different from compensatory amount given for displacement	Thear are no human settlement under the proposed irrigation tank within forest area and hence there will not be any displacement of people from forest area for proposed Majgaon Tank.
8	Cost of supply of free- wood to workers residing in or near forest area during the period of constructing.	The Construction labors will be provided with labor camps and labours camp will be located within forest area. The labours camps will be provided with Kerosene/LPG facilities and hence there will not be any tree cutting for fuel wood.
9	Total benefit due to project not withstanding loss of forest.	Rs. 73.90 caror.

**Cost Benefit Analysis**

Total cost due to forest loss (RS. In lacs)	-	Rs. 26.66 caror.
Total benefit due to project (RS. In lacs)	-	Rs. 73.90 caror.
Cost benefit ratio of project.	-	<del>Rs.</del> 0.36
B.C. Ratio.	-	2.77

  
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