

**CHUNAR TANK PROJECT
COST – BENEFIT ANALYSIS**

PARAMETER FOR EVALUATION OF LOSSES OF FOREST

S. N O	PARAMETER	IRRIGATION PROJECT
1	Loss of value of timber fule wood & minor forest produce on annual basis, including loss of main-hours of people who derived livelihood & wages from the harvest of these Commodities	Construction of Chunar Tank Project is Partly forest area and is a minor tank project and doesn't envisage displacement of population, a plan for compensatory afforestation shall be prepaired & under taken by state forest department. In addition to improve green cover in the command. it proposed that for plantation in 95. 387 Hect. Suitable land is handed over to forest department.
2	Loss of animal husbandry productivity inclusive of loss of fodder	Nil However, afforestationand other conservation measures would be taken up.
3	Cost of human resettlement	Nil Based on the preliminary survey there is no displacement are any outsees in the project and hence their would be no resettlement.
4	Loss of public facilities & administrative infrastructure of forest land or which would required forest land if facilities were diverted due to the project	Based on the preliminary survey there is no loss of any facilities or existing infrastructure in the project area
5	Enviromental losses (soil erosion, wild life, habitant, effect on hydrological Cycle, micro climate up setting of ecological balance)	Nil there is no soil erosion otherwise it will stop soil erosion. No wiled life is affected. As scheme is of small nature it will not affect hydrological cycle.
6	Suffering to outsees	Nil



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ANNEXURE – G (i) (b)


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PARAMETER FOR EVALUATION OF LOSSES OF FOREST

S.NO	PARAMETER	IRRIGATION PROJECT
1.	Increase in productivity attributed to the specific project	The Chunar Tank Project is conceived to cater irrigation water to 1620.00 hectare of CCA in village Pipaliyabhan, Lalpura, Kushalpura, Amzer, Bamati, Duddikanch, Saroda, Suhana, Kakadpada, & Bayadipada of Sardarpur Tehsil of dist.-Dhar. Irrigation intensity is proposed to be increased from existing 100% to 143% in Command Area. Total amount annual benefits from increased productivity have been worked out as 3000 Qt from 1620 qtl. Therefore total profit in next 100 years would be 48540.00 lakhs
2	Benefits to economy	The main objective of Chunar Tank Project is to provide benefit of irrigation water to 1620.00 ha. Land, which is mainly owned by tribals. And after completion, assured water will be given to boost up their economy
3	Number of population benefited	The Chunar Tank Project is conceived to cater irrigation water to 1620.00 hectare of CCA in village Pipaliyabhan, Lalpura, Kushalpura, Amzer, Bamati, Duddikanch, Saroda, Suhana, Kakadpada, & Bayadipada of Sardarpur Tehsil of dist. -Dhar. Will be benefited by this scheme by way of irrigation. So, the total cultivators benefited through irrigation shall be nearly 1158 No.
4	Employment potential	During the construction stage temporary employment to 184800 man days and permanent employment 10 persons shall be generated for 24 months
5	Cost of acquisition facility on non-forest land wherever feasible	No human commodity will affected due to construction of project.
6	Loss of (a) Agriculture & (b) Animal Husbandry production due to diversion	No loss of agriculture envisaged. In fact present object has been proposed for the improvement of agriculture in this area. No loss in the Animal Husbandry production.
7	Cost of rehabilitating the displacement persons as different from	Not Applicable. Based on the survey, it was found that there is no displacement due to project and as such there is no resettlement issue related to project
8	Cost of supply of free fuel-wood to workers residing in or near forest area during period of construction	The labour camps will be facilities with kerosene/LPG facilities and hence no tree cutting shall be there for fuel wood.
9	Total benefit due to project	Rs.485.40 yearly in lakhs Rs. 48540.00 lakhs after 100 years

Cost Benefits Analysis :

- (i) Total benefit due to project (48540.00 lakh
- (ii) Total Annual Cost (Expenditure 5% @ 181.614 & 10% @ 310.760 Lakhs
- (iii) Benefit Cost Ratio - 2.67
- (iv) Cost Benefit Ratio - 1.56


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