BICHHLI NALA TANK SCHEME

CATEGORY OF PROPOSAL FOR WHICH COST-BENEFIT ANALYSIS IS APPLICABLE

S.No.	Nature of Proposal	Applicable Not applicable	Remarks
1	All categories of proposal involving forest land upto 20 hecatares in plains and up to 5 heactares in hills	Not Applicable	the rolest are classification in centi- native report, The forest areas alon- table Mala Irrigation tank fall in to duous forest) include 14 Per Rs. 53 a total cost due to loss of project di ast land for the present project total i
2	Proposal for defence installation purpose and soil prospecting (prospecting only)	Not applicable	A suggested by central empowers cluding in the N.P.V. as mentions
3	Habitation, establishment of industrial unit, tourist lodges construction	Not applicable	iny outsers in the project and here striument. Herice, provision of 20 la- stratected families.
4	All other proposal involving forest land more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission	Not Applicable	
Environ in micros inabase	lines, minor, medium and major irrigation projects, hydel projects mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centers, TV lowers etc.	As north and conting state to the control of the co	t under submergence area of Bish nly. No wildlife habitat will be effected area of the projett imaget of the projett imaget of the cutting along the propose compensated with avenue plantationer of the smallest a expected to have a substantially and the smallest a expected to have a substantially.

(D.R. Akare)
Executive Engineer
Water Resources Division No.2
Shahdol (M.P.)

1	C N		
	S. No	rarameters	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.	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 Bichhli Nala irrigation tank fall in to III (tropical dry deciduous forest) include N.P.V. Rs. 5.00 lakh per/ha. Hence total cost due to loss of project due to diversion of forest land for the present project total Rs 43.00 lakh.
	2	Loss of animal husbandry productivity including loss of fodder.	Qualified in N.P.V. suggested by central empowered committee and including in the N.P.V. as mentioned above.
	3	Cost of human resettlement.	Based on the preliminary survey, there is 4 family displacements of any outsees in the project and hence there wood be resettlement. Hence, provision of 20 lacs for Resettlement for affected families.
4	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.	Three is no loss of public facilities and administrative infrastructure on forest land for this project.
5	8	Cort of supply of tree his wood. The core is retained assume to or near laboure will be a	Forest land coming under submergence area of Bichhli Nala 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		Cff	As per LA policy compensation is to be paid.
		Total and during Control of	Rs 43.00 lakh.

(D.R. Akare)
Executive Engineer
Water Resources Division No.2
Shahdol (M.P.)

PARAMETERS FOR EVALUATION OF BENEFIT, NOTWITHSTANDING LOSS OF FOREST

S.No	No. Parameters Irrigation musical		
	Towns of the second	Irrigation project	
1	Increase in productivity attributable to the specific project	productivity due to bicilili Naia lank project with	
2	Benefits to economy	Bichhli Nala tank project will Trigger economy development in the project influence area with irrigation facility project will create irrigation facility in 760 ha. At the surrounding area. The farmers will irrigated 760 ha. By gravity flow or canal farmers will also life water by pump with their own arrangement to irrigation 760 hac. Area available in the nearby field of dem.	
3	No of population benefited	Since the project location in the back word area of the village. After completion of project 950 cultivators will be befitted and water level will be increase surrounding area.	
4	Employment potential	The project will provide direct employment for approximate 48000 people during constriction period for 36 month.	
5	Cost of acquisition of facility on non-forest land where feasible	Yes, cost of acquisition of facility is feasible cost of non- forest Land work out to be 778.34 lacs	
6	Loss of (a) agricultural & (b) non- forest land wherever feasible	The forest area under the Bichhli Nala tank project is already protected entity and hence, there will not be any impact on agriculture and animals husbandry.	
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement	Based on the preliminary survey, there is 4 family displacements of any outsees in the project and hence there wood be resettlement. Hence, provision of 20 lacs for Resettlement for affected families.	
8	forest area during the period of	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 will not be any tree cutting for fuel wood.	
9		Rs 280.98 lacs per Year Rs 28098 lacs after 100 Year	

(D.R. Akare)
Executive Engineer
Water Resources Division No.2
Shahdol (M.P.)

Cost Benefit Analysis

(i) Total benefit due - to project

527.92 lacs

(ii) Total annual cost (éxpenditure)

@ 5% =171.38 lacs & @10% =313.38 lacs

(iii) Benefit cost Ratio 10%

1.68

(iv) Cost Benefit cost Ratio 5%

3.08

the softenent height and Anally FT/ is decided at RL 102.10 in with 0.543 les

(D.R. Akare)

Executive Engineer
Water Resources Division No.2

Shahdol (M.P.)