

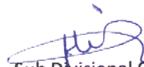
SUSARI IRRIGATION PROJECT

Cost of Benefit Analysis

(as per GOI.MOEP4CC No. 7-69/2011 dtd. 01.08.2017)

Table-B Estimation of forest diversion.

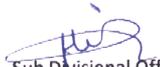
1	Ecosystem services losses due to proposed forest diversion.	Ecosystem services due to diversion by the central powered committee as per the forest classification report of proposed susari. Irrigation Project is Rs.2.36 Lakhs/Ha. Cost of land = 28.08x2.36 = 66.268 Lakhs
2	Loss of animal Husbandry productivity including cost of fodder	As per the cost guideline i.e. 10% of N.P.V. 0.236 Lakh per Ha. = 28.08X0.236 = 6.62Lakhs
3	Cost of human resettlement	There is no human resettlement due to proposed Susari Irrigation Project. Hence cost of Human resettlement is Nil.
4	Loss of public facilities and administrative infrastructure (Road, building, schools, dispensaries, electric lines, railways etc.) on forest land if these facilities were diverted due to the project.	There is no loss of public facilities and administrative infrastructures of forest land due to construction of Susari Irrigation Project. No cost has been added on this account.
5	Possession value of forest land diverted.	The possession value of forest land diverted is taken 30% of the N.P.V. due to loss of forest i.e. Rs. 0.70 Lakhs/Ha. = 28.08x0.7 = 19.88 Lakhs
6	Cost of suffering to oustees.	Not applicable
7	Habitat fragmentation cost.	Forest land is being acquired for submergence of Susari Irrigation Project. There is no amount taken under this account.
8	Compensatory afforestation and soil and moisture conservation cost.	The cost @ Rs. 4.00 Lakhs per Ha. Is taken for compensatory afforestation and soil moisture conservation. Hence amount will be: = 28.08x4 = 112.32 Lakhs
9	Total cost due to forest land diversion	Total cost due to forest land diversion for Susari Irrigation Project will be: = 66.26+6.62+19.88+112.32 = 205.08 Lakhs


 Sub Divisional Officer
 Water Resources Sub Division
 Pansemal


 Executive Engineer
 Water Resources Division
 Barwani

Table-C Existing guidelines for estimating benefits of forest diversion in CBA.

1	Increase in productivity attribute to the specific project.	Increase productivity will be 2 or 2.5 times more than before. Due to this project ground water level will increase in surrounding irrigation of 1325 ha of command area will also increase the productivity . Project also reserve the water for drinking prupose for block khetiya of dist..Barwani
2	Benefits to economy due to the specific project.	Susari Irrigation Project will trigger economy development about Rs 696.80 lakh benefitted per year.
3	No. of population benefitted due to specific project.	Project is located in backward area of the village. After completion of project 952 Cultivators will be benefitted and water level will be increased in surrounding area. This project will also facilitate drinking water supply to Khetiya of dist Barwani.
4	Economic benefits due to of direct and indirect employment due to the project.	The project will be provided direct employment for approximate 22000 man-day during construction period. (24 Month)
5	Economic benefits due to compensatory affrestation.	An economic benefit due to compensatory afforestation has considered as per the benefit of C.A. guidelines of ministry for N.P.V. estimation.


 Sub Divisional Officer
 Water Resources Sub Divisior
 Pansemal


 Executive Engineer
 Water Resources Division
 Barwani

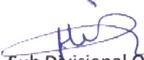
..... IRRIGATION PROJECT

SUSARI IRRIGATION PROJECT

Benefit to Cost Analysis

@ 10% interest on Capital - 1.82 Lakhs

@5% interest on capital - 3.08 Lakhs


Sub Divisional Officer
Water Resources Sub Divisor
Pansemal


Executive Engineer
Water Resources Division
Barwani