GOVERNMENT OF MADHYA PRADESH

WATER RESOURCES DEPARTMENT

BHOPAL (M.P)

CAT PLAN

ENVIRONMENTAL CLEARANCE OF HIRAN MEDIUM IRRIGATION PROJECT

Consultant:

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PARTNERING VISION

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Department; the team members must ensure implementation and monitoring of the CAT works and review the progress from time to time. Quarterly progress reports and completion certificates would be submitted to Project Proponent for evaluation and disbursement of finance. In addition, the work done should be published through public awareness campaigns. Visual and print media may be used to gain maximum benefit by beneficiaries. Such efforts would resolve conflicts which otherwise are potential sources for project delays.

1.15 SUMMARY OF COST OF WORKS

The cost of all works proposed in the CAT plan is enumerated in **Table 1.23.**

Table 1.22: Cost Estimate of CAT Plan

S. No.	Particulars	Amount (Rs. In Lac)
1.	**Habitat treatment works under free draining catchment**	
(a)	Normal afforestation (40 ha @ Rs. 184000/ ha)	73.60
(b)	Enrichment Plantation (150 ha @ Rs. 132000/ ha)	198.00
(c)	High density energy plantation (10 ha @ Rs. 226000/ ha)	11.30
(d)	Pasture reclamation (10ha @ Rs. 150000/ ha)	15.00
(e)	Nursery support	16.00
	Sub- total (1)	**313.90**
2.	**Soil and water conservation measures**	
(a)	Bio-engineering measures (8 ha @Rs125000/ha)	10.00
(b)	DSRM check dam (100 no. @Rs 24000/ha each)	24.00
(c)	Wire crate check dam (30 no. @ Rs 52700/each)	15.81
(d)	Soil water regime improvement works (7 @Rs 250000 each)	17.50
(e)	Catch water drain (500 RM @ Rs 1870/RM)	9.35
(f)	Contour Bunding(200ha@6200/ha)	12.40
	Sub- total (2)	**89.06**
3.	**Private land treatment**	
(a)	Horticulture development (10 ha @ Rs150000/ha)	15.00
(b)	Private pasture development (5ha @Rs 60000/ha)	3.00
(c)	Bench terracing (300 ha @ Rs6200/ha)	18.60
	Sub- total (3)	**36.60**
	Other Components of CAT Plan	
1	Implementation of Support Infrastructure Cost	5.00
2	Training and Extension Programme	3.00
3	Provision for Micro Plan	4.00
4	Documentation	3.00
5	Gender Support	4.00
6	Mobilizing user groups	2.00
7	Funds for Educational activities related to medicinal plant sector	4.00
8	Provision for floristic survey and forestry research	4.00
9	Provision for Monitoring and Evaluation Activities	5.00
10	Provision for providing Environmental Services	25.00
11	Forest Protection	4.00
12	Capacity building	2.00
	Sub- total (4)	**65.00**
	Grand Total.	**505.26**
	Say Rs.	**505.00**

(SOAMYA NIGAM)
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(Ram S. Sharma)
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