

MAA RATANGARH CANAL PROJECT

BRIEF DESCRIPTION OF ALTERNATE SITES

After carrying out the topographical survey of the proposed basin three canal alignments have been marked and studied with merits demerits of each.

Location No.1 this is the proposed location in which we get the designed level 146.00 m and 142.00 m at PH-1 and PH-2 respectively. In this proposal the length of Canal Pipe line coming least in the Forest area of Gwalior and Datia compare to other two locations.

Location No.2 In this Alternate location No.2 Pump House No.1 (PH-1) is located at 1 kms upstream from the proposed PH-1 along the river, whether Pump House No.2 (PH-2) remains at same proposed location. In this proposal the pump house will comes under Devgarh Forest area. Hence the Length of pipe line increased in Forest proposed designed pumping level at PH-1 site is 146.00 mts. In this location we can not achieved that level.

Location No.3 In this Alternate location No.1 Pump House No.2 (PH-2) is located at 1 kms downstream from the proposed PH-2 along the river, whether Pump House No.1 (PH-1) remains at same proposed location. In this proposal the length of Canal Pipe line will increasing in the Sewda Forest area. Hence the Forest area increased from PH-2 Datia side.

A comparative of broad features of each locations are shown in the table for comparison and making a suitable choice.

Proposal		Length of Pipe coming under Forest	Total Length	Length of Electric Line coming under Forest	Remarks
Location 1	Gwalior Forest	1.62 Km	11.75 Km	Length will be equal for all three Location	In KML Red Colour Alignment
	Datia Forest	10.13 Km			
Location 2	Gwalior Forest	1.9 Km	12.03 Km		In KML black Colour Alignment
	Datia Forest	10.13 Km			
Location 3	Gwalior Forest	1.62 Km	12.62 Km		In KML Yellow Colour Alignment
	Datia Forest	11.00 Km			

Three alternates have been studied for Pump House locations under submergence area of Dam. The proposed Pump house location 1 is found feasible because of least forest area and technical point of view.



(Anil Kumar Dixit)
Project Administrator
MRPIU, Mau, Distt.- Bhind (M.P.)