

MAA RATANGARH PROJECT

BRIEF DESCRIPTION OF ALTERNATE SITES

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

Alignment No.1 Alternate alignment No.1 is located at 21 km downstream of the proposed site along the river. In this proposal major town Seondha of historical importance, Seondha Fort and pilgrim (holy) place Sankuwa comes under submergence. Forest area coming under submergence is 1306 ha. and storage capacity at this site is 190 Mcm.

Alignment No.2 Alternate alignment No.2 is located at 3.5 km. upstream of proposed site along the river. In this proposal the available flank height impounds 210 mcm water which is less than the proposed site, further prima facie the river bed does not have rocky foundation. Forest area coming under submergence is 1318 ha.

Alignment No. 3 Alignment No.3 is located across deep gorge and river bed & left flank have visible exposed rock strata suitable for foundation. The available flank impounds 246.95 mcm of water. This site is fulfilled all requirement of project and less forest area is affected in submergence with respect to above sites hence this site is suitable.

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

Proposal	Lat/Long	Net catchment area in (sq.km.)	Storage Capacity (Mcm)	Total sub. Area	Forest Area
Alignment No.1(jara)	26°13'03" & 78°48'02"	7330	190	3842	1306
Alignment No.2 (shikarpura)	26°08'00" & 78°42'43"	6915	210	3112	1318
Alignment No.3 (Proposed)	26°08'29" & 78°44'20"	6985	246.95	3145.252	1305.142

Three alternates have been studied for Dam alignment near Jara, Shikarpura, and Dangdiroli village. The proposed barrage alignment near Dangdiroli village is found feasible from the storage point of view and command area served.



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