

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 upstream 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.

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 110 mcm water which is less than the proposed site, further prima facie the river bed does not have rocky foundation.

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 153.515 mcm of water. But comparatively slightly larger forest area comes under submergence as compare to alignment no 02.

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.)	yield (MCM) as per sindh R-R relation	Total sub. Area	Forest Area
Alignment No.1(jara)	26°13'03" & 78°48'2"	7330	1393	3842	1082
Alignment No.2 (shikarpura)	26°08'00" & 78°42'43"	6915	1313	3112	1157
Alignment No.3 (Proposed)	26°08'29" & 78°44'20"	6985	1327	3149.63	1211.90

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

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