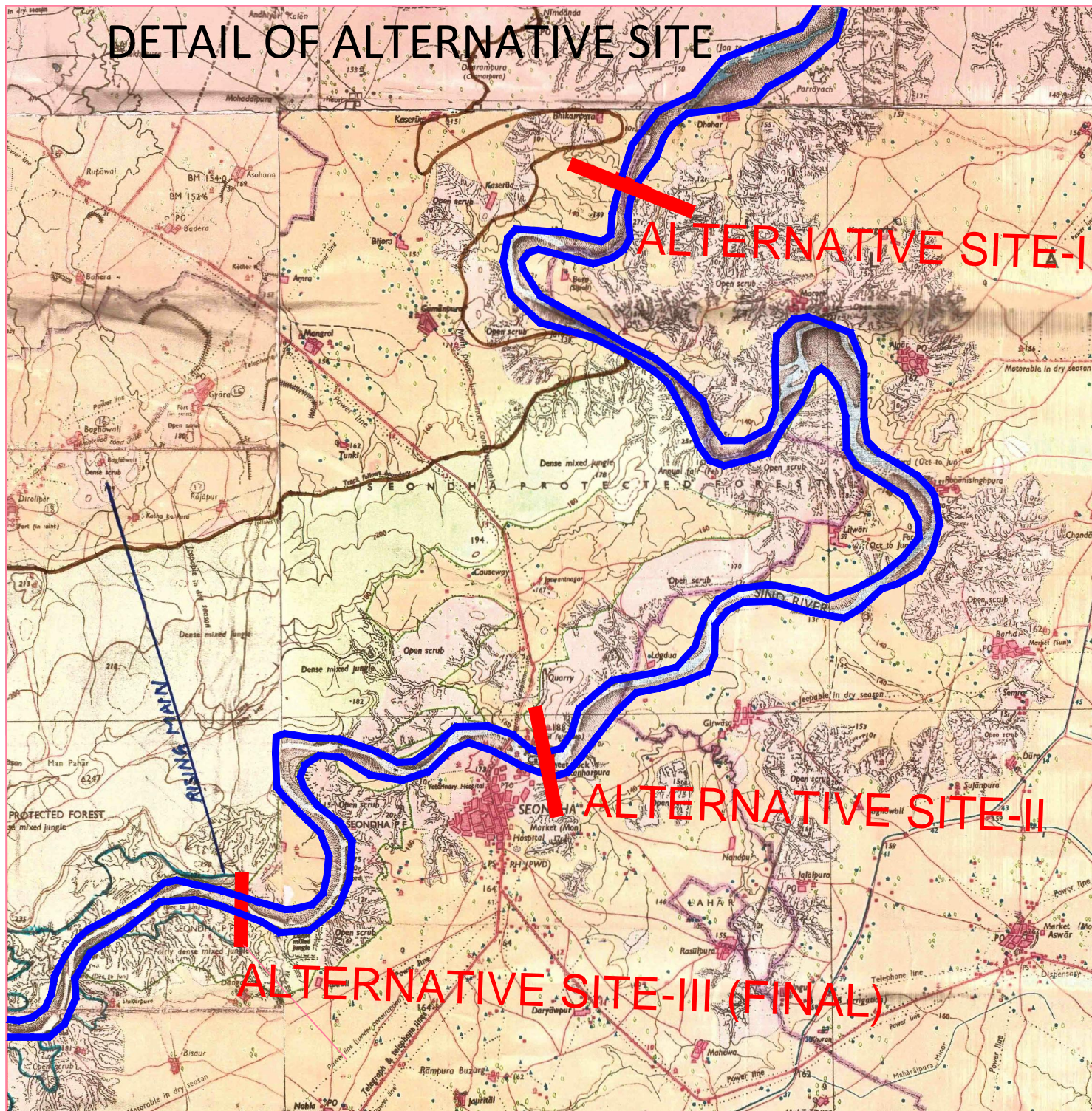


# DETAIL OF ALTERNATIVE SITE

ALTERNATIVE SITE-I

ALTERNATIVE SITE-II

ALTERNATIVE SITE-III (FINAL)





## **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.

( R.B.Dixit )

Executive Engineer  
Harsi High Level Canal Division No 2  
Dabra Distt. Gwalior (M.P.)

Office of the Executive Engineer  
Harsi High Level Canal Division No. 2  
Dabra Distt. Gwalior (M.P.)

Dabra dt. 1/11/18

Memo No. 3537/T.S./2018

To,

- (1) District Forest Officer  
Datia
- (2) District Forest Officer  
Gwalior

Sub.- Online Submission of forest clearance proposal for Maa Ratangarh Multipurpose Project of 1211.90 ha. Forest land.

Ref.:- (1) Proposal No. FP/MP/IRRIG/36799/2018  
(2) Proposal No. FP/MP/IRRIG/29139/2017

With reference to above subject a Proposal No. FP/MP/IRRIG /36799/2018

in place of Proposal No. FP/MP/IRRIG/29139/2017 for seeking approval of Central Government under forest Conservation act 1980 as per details given below, which has been examined by Nodal officer, Forest Conservation Act 1980, Government of Madhya Pradesh and has been found complete in all respect, is herewith submitted with duly signed hard copy of above proposal along with all necessary enclosures for your kind information and further necessary action please.

Encl - As above

Executive Engineer  
Harsi High Level Canal Division No. 2  
Dabra Distt. Gwalior (M.P.)

Dabra dt. 1/11/18

Endt. No. 3538/T.S.

Copy to:-

- (1) Collector, Datia for necessary action.
- (2) Collector, Gwalior for necessary action.
- (3) Chief Engineer, Rajghat Canal Project, Datia
- (4) Superintending Engineer, Sindh Project Canal Circle, Shivpuri
- (5) Sub divisional Officer, Harsi High Level Canal Sub Dn. No. 4 Gwalior

Executive Engineer  
Harsi High Level Canal Division No. 2  
Dabra Distt. Gwalior (M.P.)

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**OFFICE OF THE EXECUTIVE ENGINEER  
HARSI HIGH LEVEL CANAL DIVISION NO.2 DABRA  
DISTT. GWALIOR**

To,  
The Secretary  
Environment ,Forest and climate change  
Govt. of INDIA, Delhi

Sub:- Forest clearance Proposal for Maa Ratangrah Multipurpose Project Datia of 1211.90 Ha Forest land.

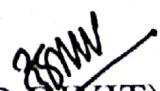
Ref. :- Proposal No. FP/MP/IRRIG/36799/2018.

With reference to above subject a proposal is submitted on line for seeking approval of Central government under forest conservation act 1980 for forest area 1211.90 ha, in which 242.63 Ha. is coming in River portion.

So it is requested That river area 242.63 Ha. is deducted from total area 1211.90 Ha. Please consider net area  $(1211.90 - 242.63 = 969.27)$  969.27 Ha for approval.

Detail forest land given below

Name of district/Patch	Area affected at FRL 161 m in ha	Area affected at FRL -4 m (161 - 4 = 157 M) in ha	Area comes under River in Ha	Remark
Datia	461	281	63.50	Net area for approval 1211.90-242.63 = 969.27 Ha
Datia 1	15.90	9.84	0	
Datia 2	177	101	60.6	
Datia 3	260	130.9	61	
Gwalior	298	126.89	57.53	
Total	1211.90 Ha	649.63 Ha	242.63 Ha	

  
(R.B.DIXIT)  
Executive Engineer  
Harsi High Level Canal  
Division no 02 Dabra Gwalior

