

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 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 and Electricity line are increasing in the Sewda Forest area. Hence the Forest area increased from PH-2 Datia side.

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 area of Forest also increased from PH-1 Gwalior site. proposed designed pumping level at PH-1 site is 146.00 mts. In this location we can not achieved that level.

Location No.3 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 and Electricity line are coming least in the Forest area of Gwalior and Datia compare to other two locations.

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

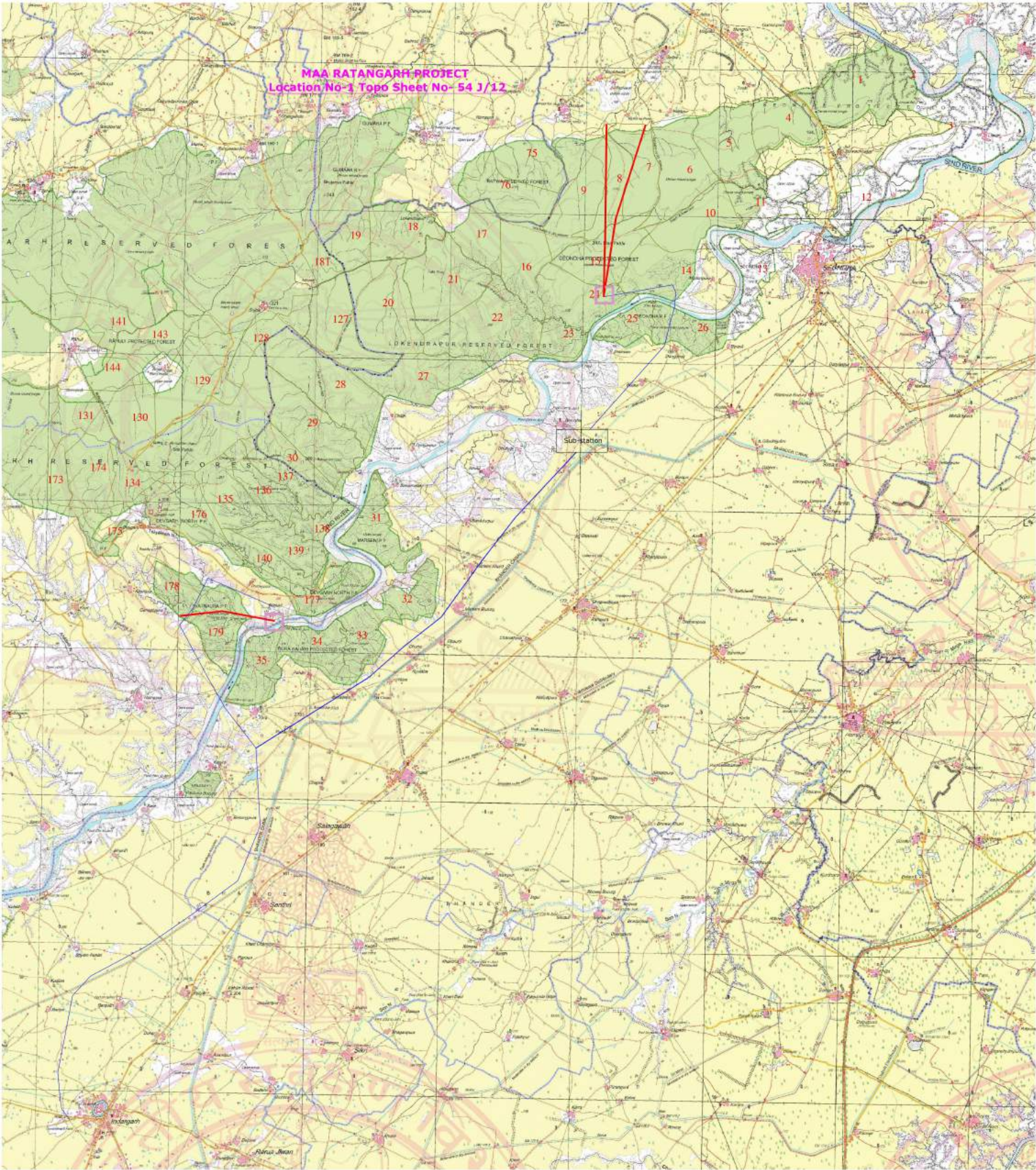
Proposals	Longitude/Latitude		Designed level achieved (in meter)		Affected Forest Area (in Hectare)
	PH-1	PH-2	PH-1	PH-2	
Location No. 1	78° 36' 48.52" E & 26° 03' 01.2618" N	78° 42' 52.65" E & 26° 08' 36.91" N	146.00	142.00	19.51
Location No. 2	78° 37' 17.79" E & 26° 03' 19.24" N	78° 43' 22.27" E & 26° 08' 55.35" N	152.00	142.00	18.63
Location No.3 (proposed)	78° 36' 48.52" E & 26° 03' 01.26" N	78° 43' 22.27" E & 26° 08' 55.35" N	146.00	142.00	17.63

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



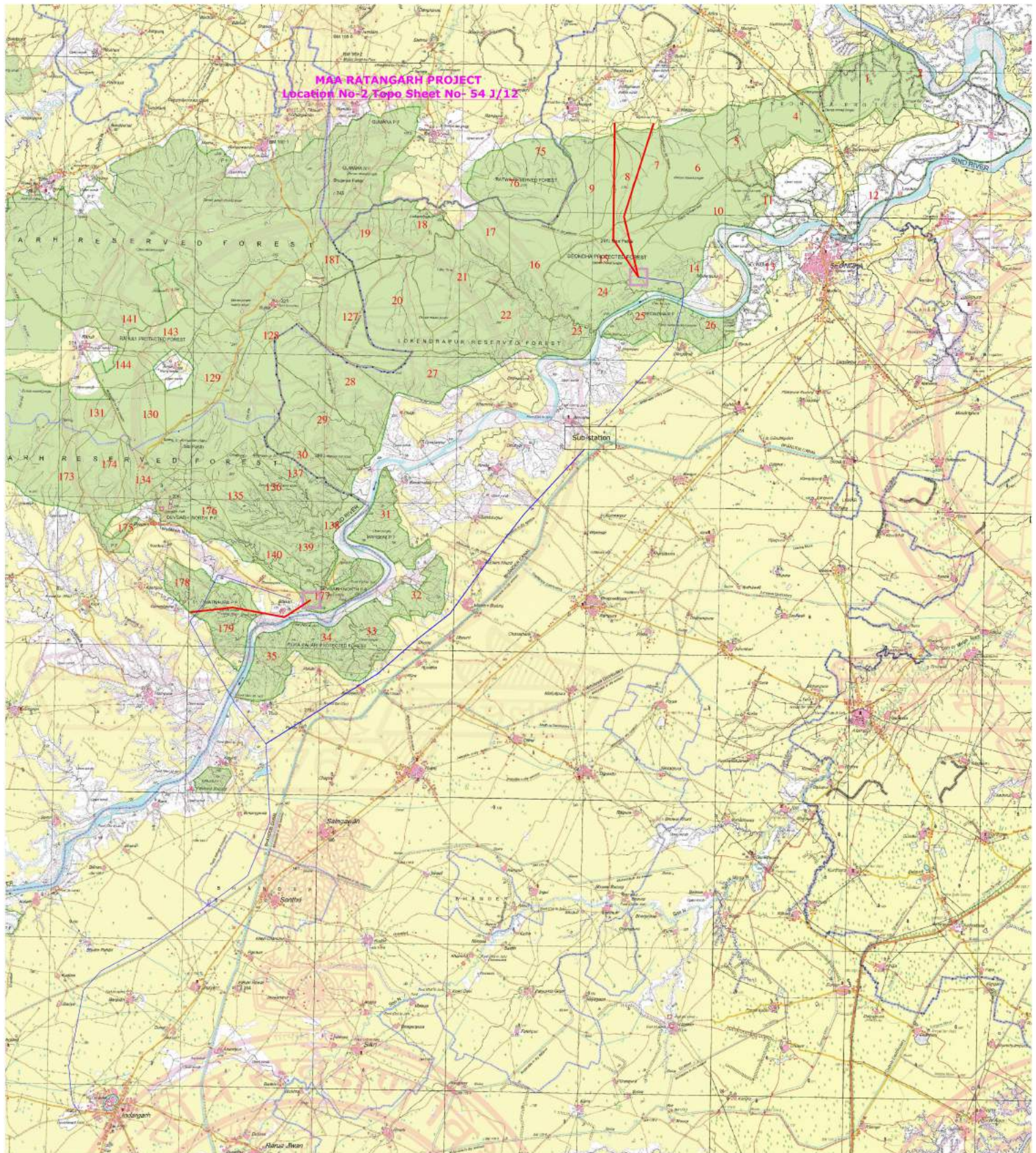
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MAA RATANGARH PROJECT
Location No-2 Topo Sheet No- 54 J/12



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MAA RATANGARH PROJECT
Location No-3 Topo Sheet No- 54 J/12

