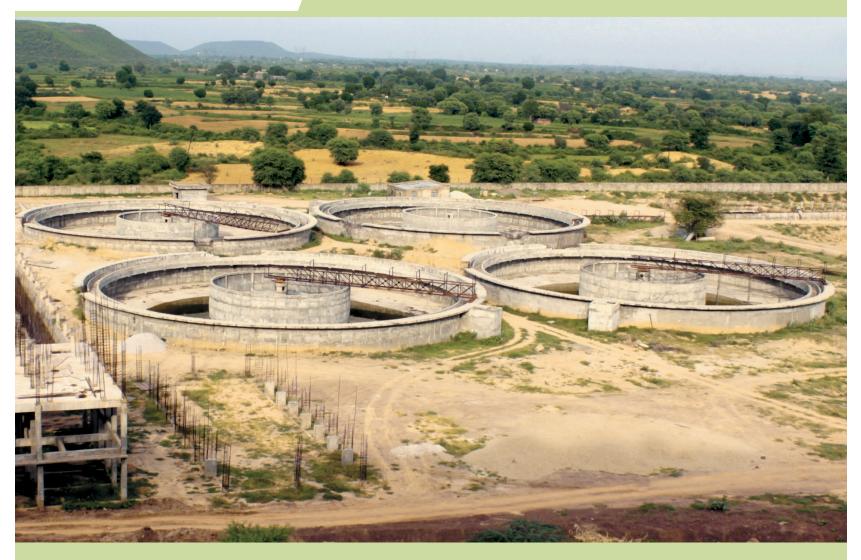


Chambal-Sawaimadhopur-Nadauti Water Supply Project

A Celebration Series of SPML's Signature Projects



PROJECT AT A GLANCE

The Government of Rajasthan through Public Health Engineering Department (PHED), Jaipur awarded the work of Chambal-Sawaimadhopur-Nadauti Water Supply Project to provide drinking water facility to 926 villages and 4 towns, Sawaimadhopur, Gangapur, Karauli and Todabhim. These districts are adversely placed as far as availability of potable drinking water is concerned due to high nitrates, chlorides and dissolved solid contents and is not fit for human consumption.

The project will cater to the full demand of drinking water of Sawaimadhopur & Karauli and half of the demand of other two towns. Remaining half of the demand will be met through existing local sources with the Chambal River as source of raw water. The Intake Well shall be at the deepest section in the River so as to have sufficient inflow during lean flow period.

Name of the Project	Chambal-Sawaimadhopur-Nadauti Water Supply Project			
Client	Public Health Engineering Department (PHED), Jaipur			
Contract Value	299.60 Crore			
Scope of Work	 Construction of 146.75 MLD Water Treatment Plant Construction of 17 Mtr dia Intake Pump House alongwith 800 Mtr Transmission Bridge at Chambal River Construction of Pre-settling Tank of 27.50 ML capacity Construction of Raw Water Pumping Station Construction of Clear Water Pumping Station Construction Clear Water Reservoirs having capacity 14000 Cum, 2510 Cum, 8010 Cum & 3610 Cum at different headworks Supply, Laying, Jointing, Hydro Testing of 152 kms pipeline with 1000-1400 mm dia MS & PSC pipeline 			
Construction Period	3 Years			
O&M Period	5 Years after commissioning			

MAJOR COMPONENTS OF THIS PROJECT:

Transmission System :

- Intake works at Chambal River near Mandrayal
- The Transmission System from Intake at Chambal River near Mandrayal to water treatment plant at Km stone-4 on Mandrayal-Karauli Road
- Water treatment plant; pump house & 33/6.6 kV switchyard, Raw Water Reservoir, Clear Water Reservoir at Km. 4 on Mandarayal Karauli Road
- The 33 kV power transmission lines from 132 kV substations of Rajasthan Vidyut Prasaran Nigam Ltd. (RVPNL)
- Pipe line system from Water treatment plant to Karauli
- Pipe line system from Karauli to Gangapur City
- Pumping Station & 11/0.415 kV Sub Station at Gangapur City

- Pipe line system from Gangapur City to Sawaiadhopur
- Clear Water Reservoir, Office, Residential & Store buildings, Campus development, Road & associated civil works etc. at Mandrayal, Km.4, Karauli, Gangapur City & Sawaimadhopur

Improvement of existing system at Sawaimadhopur

Transmission lines from off-take points

- Karauli to Hindauncity
- Kurgaon to Sapotara
- Gangapur city to Nadauti

Regional Schemes (cluster wise supply system) Communication network IEC activities

The tehsil wise & town wise requir	rement of water shall be as follows:
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S. No.	Tehsil	No. of Villages	Population 2021	Population 2031	Demand 2031
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Rural area Sawaimadhopur Gangapur City Sapotra Mandarayal Karauli Hindaun Nadauti Bamanwas Toda Bhim Malarnadoongar	139 113 137 37 100 51 59 104 126 60	280817 293616 255345 88433 243642 163760 151683 203142 291019 147118	359446 375829 326841 113194 311836 209612 194154 260022 372505 188312	14.38 15.03 13.07 4.53 12.47 8.38 7.77 10.40 14.90 7.53
Total		926	2118575	2711751	108.46
1. 2. 3. 4.	Urban area Sawaimadhopur Karauli Gangapur City Toda Bhim	1 (100% demand) 1 (100% demand) 1 (50% demand) 1 (50% demand)	247777 153039 243507 48160	376620 232619 370131 73204	37.67 23.26 18.51 3.66
	Total		692483	1052574	83.10
	Total (Rural+Urban)		2811058	3764325	191.56





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