

PROJECT AT A GLANCE



SPML Infra is India's leading infrastructure development company with focus on sustainable development by providing Water for All, promoting access to essential services to all (water, sanitation, waste management). With 3 decades of experience & pan India presence, SPML is a leading player in India's water market and only Indian company present across the entire value chain of water cycle. SPML holds a dominant position and has been featured as the Only Indian Company in Leading 50 Private Water Management Companies as per Global Water Intelligence, London.

PROJECT AT A GLANCE

The project under National Rural Drinking Water Programme (NRDWP) was awarded to SPML Infra Ltd. by the Public Health Engineering Department of Rajasthan. Pokhran and nearby towns of Falsoond, Balotra, Siwana and villages had minimal or non-existent groundwater sources. This project was intended to provide drinking water to a large population of Rajasthan's desert areas comprising 4 towns and 580 villages where water scarcity was very high. The project is being executed in three phases. The phase 1 of Package 1 has been implemented and is serving drinking water to almost 100 thousand population including residents of Pokhran Town and adjoining 14 villages; 3.2 million litres per day to defense forces and 5 million litres to the industries. The phase 2 of Package 2A & 2B is under execution and will cover the drinking water supply to 4 towns, Pokhran-Falsoond-Balotra-Siwana and 566 villages.

Client: PHED, Jodhpur

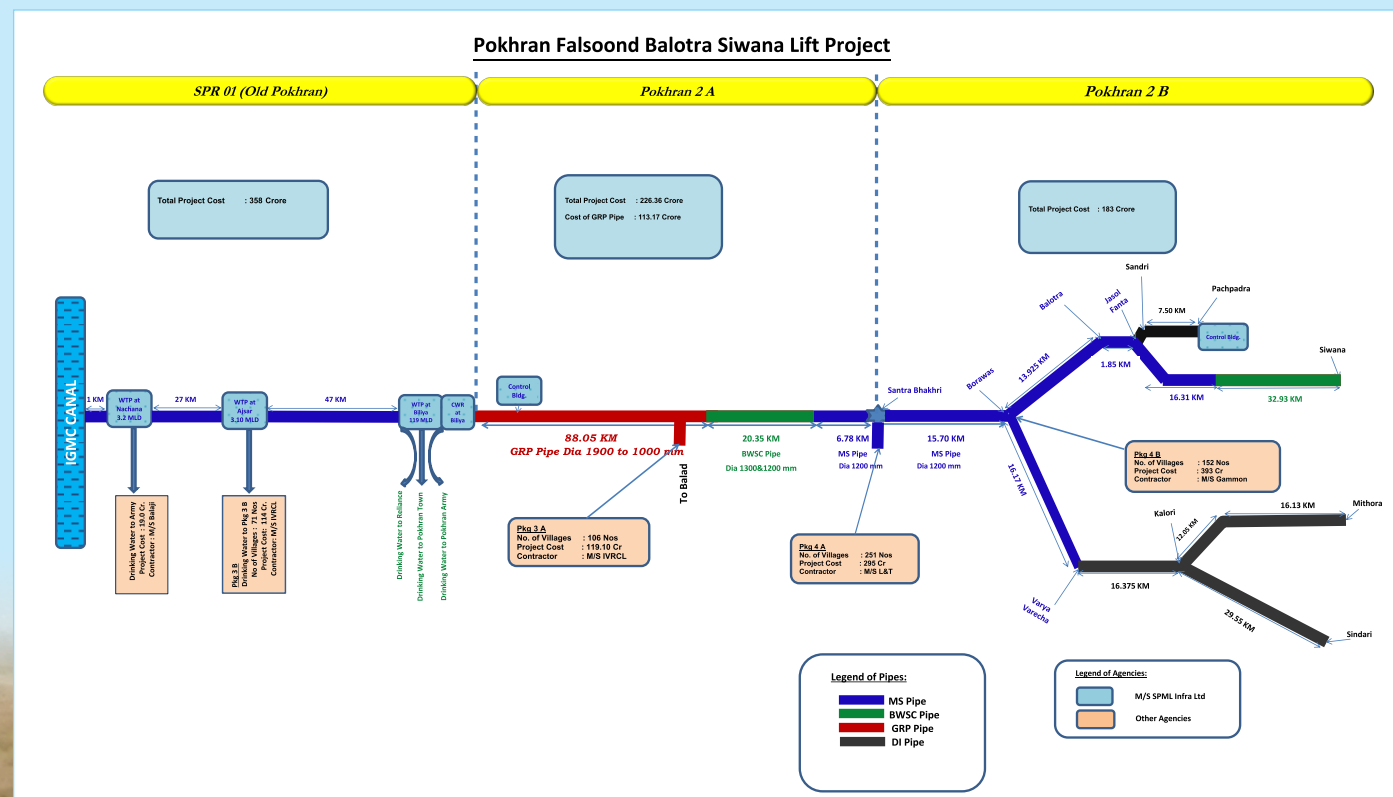
Scope of Work:

- 3 Water Treatment Plants (125.3 MLD combined capacity)
- Water Supply Pipeline (397 Kilometers of 150-1900 mm dia)
- 16 VT Pumps at 3 Pumping Stations
- 3 Clear Water Reservoirs of 10,850 KL capacity
- 2 Raw Water Reservoirs of 300 Million Litres
- 2 Master Control Centre at Balotra and Biliya
- 24 Flow & Pressure Control Valve Chambers
- Grid sub-station, SCADA and allied civil works
- Operation & Maintenance for 10 years

PROJECT IN DETAILS

The Pokhran-Falsoond-Balotra-Siwana (PFBS) Water Supply Scheme aims to provide sustainable source of potable water supply to over a million populations of 580 villages (177 of Jaisalmer and 403 of Barmer districts) together with 4 towns namely Pokhran, Balotra, Falsoond and Siwana. In addition, the PFBS shall also cater to the bulk clear water demands of Defence, Industries etc. It is designed to meet the drinking water demands projected upto the year 2023 except for the raw water carrier between PFBS outlet (on left bank of IGMC RD 1253.5) and WTP at Biliya, pump house civil structure and raw water reservoirs projected till year 2038. Raw water is proposed to be drawn from RD 1253.5 of Indira Gandhi Munak Canal (IGMC), through PFBS outlet on left bank canal to be constructed by Irrigation Department of Govt. of Rajasthan.

The ground profile along the route of coverage area suggests rise in elevation from IGMC outlet to village Biliya (near Pokhran town) and continuously falling gradient on its downstream. The water treatment plant and clear water reservoir at village Biliya (near Pokhran) are constructed to provide clear water to the downstream locations benefiting 580 villages and all the four towns. Raw water for this purpose is proposed to be carried from outlet to village Biliya through pumping at two stages near outlet Headwork (HW-1) and intermediate pumping station at village Ajasar. Water for the remaining 14 villages' en-route to raw water carrier is proposed to be supplied from HW-1 to HW-2 for which Water Treatment Plant of various capacities is already constructed.



AWARDS RECEIVED FOR THIS PROJECT

- Global Water Awards 2014 (Commendation)
- EPC World Award 2014
- Construction Week India Award 2014
- Dun & Bradstreet Infra Award 2014

Global Water Awards 2014

Global Water Intelligence

Water Project of the Year

Pokhran water supply project, Rajasthan, India

'Implementing Company - SPML Infra Limited'
Client: PHED Rajasthan

Christopher Gasson
Publisher, Global Water Intelligence

www.globalwaterintel.com

HIGHLY COMMENDED
Global Water Awards
2014

