



**Pokran-Falsund-Balotra-Siwana (PFBS) lift project
to meet Drinking Water Demands based on
Indira Gandhi Main Canal (IGMC) for PHED, Rajasthan**



Client	Public Health Engineering Department, Rajasthan
Project Cost	INR 311.64 Crores
Status	Completed
Salient Features	<p>Major Units project comprises of</p> <ul style="list-style-type: none"> ✓ Raw Water Pump House with Vertical Turbine Pumps at Head Works(HW)-1,2 & 3 at Nachana, Ajasar & Biliya respectively as under: <ul style="list-style-type: none"> a. HW-1: 5 nos.(3W+2S), 2728.80 m³/hr @84m head (850 kW motor rating) b. HW-2: 5 nos.(3W+2S), 2728.80 m³/hr @84m head (850 kW motor rating) c. HW-3: 2 nos.(1W+1S), 5655.60 m³/hr @34m head (425 kW motor rating) ✓ 119 MLD capacity Water Treatment Plant at Biliya, 3.1 MLD capacity Water Treatment Plant at Ajasar & 3.2 MLD capacity Water Treatment Plant at Nachana Based on conventional water treatment process: Clariflocculator + Rapid Gravity sand filter ✓ PLC/SCADA based control for all Head Works & Water Treatment Plants ✓ 33 kV Switch yard with HV & MV power distribution at HW-1, 2 & 3.
Services Provided	<ul style="list-style-type: none"> • Preparation of basic engineering package comprising of process & hydraulic design for treatment plants • preparation of G.A. Drawings and detailed engineering for Piping, Mechanical, Electrical & Instrumentation with PLC based Automation Works