

HYDROPOWER FOR ELECTRICITY GENERATION.

The hydropower is the water kinetic energy attains when flowing from height to downstream

Following Facilities are proposed: 1- Photovoltaic Power Station. 2- Electrolysis plant for Hydrogen Production and storage in storage Tanks. The hydrogen storage tank shall be provided with automatic fire extinguishing system to cover fire emergency. 3- Fuel cell power station. 4-Water reserve pond at designed 30 feet height above ground level to supply water for turbine operation Installed at ground level. 5-Water pond at ground level to receive turbine discharge water. 6- G I Pipes layout suppling water from reservoir to turbine and discharge water to ground pond 7- Pumping Plants for direct pumping ground water pond to Water Reservoir. The photovoltaic power station shall produce electricity from sun while shining to produce hydrogen through Electrolysis. Similarly fuel cells electricity shall be for Electrolysis to produce hydrogen when Sun is not shinning. Fuel cell power station shall pump water to 30 feet high water reservoir. The Water Turbine generator shall be installed on ground floor attached with water reservoir through Pipe layout. The reservoir water shall operate Water turbine producing renewable electricity.