



Central Plant 5 (CP 5)

Description:

The CP facilities houses the mechanical plant, pumping and cooling facilities required to keep Education City continually supplied with water services. The facilities include below ground plant and pump rooms, with attendant basement level water storage facilities to store raw and treated water supplies for fire, irrigation, domestic and cooling services. The above grade cooling towers of each CP are clad with a louvered screen arrangement, which is intended to screen the internal apparatus within the CP from view and provide a media which can be used for advertising or decoration. CP5 occupies a building footprint of approximately 150x100 m, with a basement level for chillers plants, distribution pumps and water storage tanks, approximately 8.5 m deep. The maximum height of the exterior cladding is approximately 16 m. The CP includes new perimeter roads to facilitate access to the plant for operation, maintenance and construction.

Key Facts

Client	QF / TRAGS Engineering
Consultant	ASTAD
Start Date	February 2014
Completion Date	May 2019
Project Value	QR 158 Million
Area of plant	38,000 m ² of built up area
Structural Steel	586 Metric Tons
Excavation Quantity	230,436 m ³
Concrete Quantity	36,536 m ³
Reinforcement	6420 Metric Tons

