

Taweelah B IWPP, Abu Dhabi.

Customer: Babcock Borsig Service/ TAPCO

Fogging Units: 2

Plant Description

Taweelah Asia Power Company (“TAPCO”) owns and operates the Taweelah B plant under a long-term contract, alongside its sub-contractors, Fortum and Babcock Borsig.

Taweelah B Owner: TAPCO
 Power Capacity: 928 MW
 Water Production: 92 MIGD
 Location: UAE – Abu Dhabi



Taweelah B Extension

- The “B Extension” consists of:
- ~ 2 x 97 MW gas turbines (GE PG 9E)
 - ~ 2 x 420 t/h heat recovery steam generators
 - ~ 1 x 143 MW back pressure steam turbine
 - ~ 3 x 7.7 MGD Multi-stage Flash desalination units

Two fogging units installed on GE9E Gas Turbines. Babcock Borsig Service placed the order for the existing Taweelah B Extension power plant. The first unit was commissioned in March 2006. and the second unit was commissioned in May 2006.

Taweelah B 1x9E	Site Fogging Potential	Additional Generation Potential	Reference Ambient Conditions	Additional Capacity
	63,000 degree-hours /year	53,000 MWh /year	46°C - 42% RH	+10%



Nozzle Array Erection at Taweelah B Plant