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smart project delivery

1200tph Coal Washery

Engineering, Procurement, Construction Management and Commissioning

Client

Jindal Steel & Power Limited (JSPL).

Project Location

Angul, State of Odisha, India.

Engenium successfully provided Preliminary and Detailed Design Engineering, Procurement, Site Construction Supervision and Commissioning services for a two stage 1200tph coal washery for JSPL at Angul in the State of Odisha, India.

Completed in October 2013 the coal washery formed a key part of the JSPL steel making and power generation process on the 5650 acre site at Angul.

The design consisted of the 1800 tonne surge bin, dry screening module, single stage coal preparation plant, 30 metre diameter thickener and all product transfer conveyors and associated infrastructure.

The coal washery facility benefited the Utkal B-1 Mine coal and consisted of a dry screening module which screened and removed up to 60% of all 0-8 mm ROM feed.

The underflow from the DSM screening then fed a single 1200tph de-sliming module which in turn fed into two 600tph, single stage, dense medium cyclone based coal washing modules.

Completion of the Engineering Design required Engenium to manage the preparation of over 2500 drawings in relation to the civil concrete, steel structures, materials handling chutes and launders as well as the process piping details.

Following the successful site supervision of the coal washery construction phase, Engenium also successfully carried out the Test Inspections and Commissioning of the coal washery at Angul.

In October 2013, the project was completed with all performance guarantee requirements having been met.

Want To Know More?

For more information please contact our Newcastle office on +61 (0)2 4940 4100, email info@engenium.com.au, or visit our website engenium.com.au.

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