

HPCL Mittal Guru Gobind Singh Refinery

CFBs convert high sulfur petcoke into valuable power and steam



Project summary

Location: Punjab, India
 Customer: HPCL Mittal Energy Limited
 Start-up: 2018
 Scope: EPC of CFB boiler island

- ▶ Steam from CFBs used to produce both power and process steam needed by the refinery
- ▶ CFBs fire petcokes produced by refinery with sulfur levels above 8%
- ▶ CFBs designed to fire 100% petcoke or 100% import coals or any combination in between
- ▶ CFBs capture over 98% of sulfur for all fuels
- ▶ ISGEC provided EPC scope of boiler island from fuel bunker to stack inlet
- ▶ CFBs began commercial operation in 2018

CFB Plant Power Capacity	2 x 50 MWe
CFB Plant Steam Capacity	2 x 300 tph
CFB Plant Steam Pressure	110 barg
CFB Plant Steam Temperature	510 °C
Fuel	Petroleum coke, imported coal, Indian coal, refinery fuel gases and oils



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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

Our Values

Respect for people.

Valuing and inviting differing views and ideas

Committed to customers.

Exceeding expectations and providing value

Safety, integrity and teamwork.

Incorporating ethics in everything we do

Ownership of results.

Personally ensuring that success is achieved

Passion to innovate and grow.

Setting challenging goals for growth



Sumitomo
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