

Customer Profile:

National Thermal Power Corporation (NTPC) Limited, is a Government of India undertaking and is India’s largest corporation engaged in generation and distribution of power. NTPC is having thermal power generation and distribution facilities all over India. NTPC is also a major EPC contractor for thermal power plant projects in India.

Contact Details

Contact Name/Tel./ Email will be available on request.

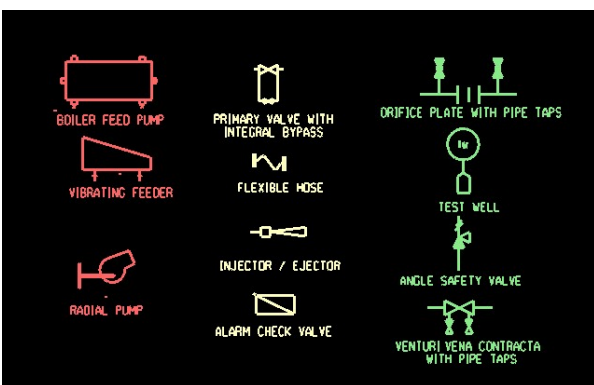
Project Statement:

NTPC was required to execute a major 2 X 500 MW Super Thermal Power Project in the northern part of India. For executing this prestigious project by efficient and state-of-the-art methodology, NTPC contracted Rolta for assistance in 2-D and 3-D modelig of the plant using Intergraph’s PDS. Customization of Intergraph’s PDS software suitable for thermal power plants was also in the scope of Rolta.

Rolta Solution

Rolta has provided the services of customization work was as follows:

2D Legends	80 Nos.
2D Reports	07 Nos.
3D Equipment	50 Nos.
Drawing Borders	12 Nos.
Piping Specifications	30 Nos.

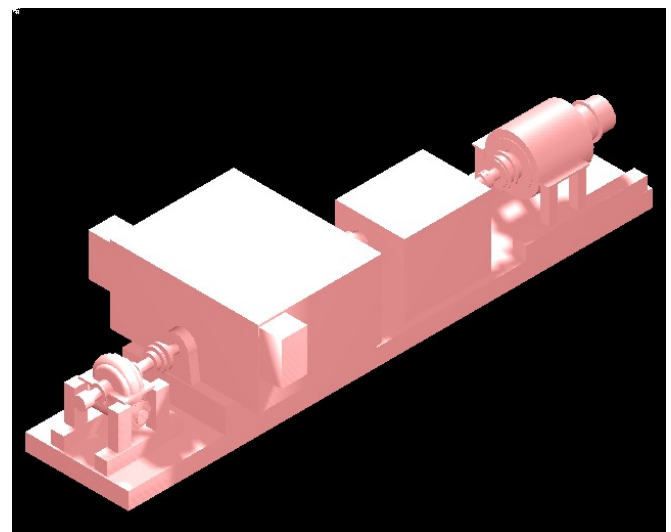


Solution Architecture

Customized 2D Legends included symbols for equipment, instruments and piping components used in P&ID of power plants.

Reports on P&ID with the format as required by NTPC were customized. These 2D reports included Drive lists, Instrument list, BOQ, Piping Schedule, Valve schedule etc.

3D shapes of equipment as required by NTPC with key-in dimension facility were customized. Equipment included Tanks, Vessels, Pumps, Fans, Heat Exchangers, Heaters, Coolers, Condensers, Air Compressors & Cooling Towers, which are also used in common process industries. Equipment specifically required for thermal power plant like Bowl mill, Gravimetric feeder, Deaerator, Generator, Furnace boiler were customized.



Drawing borders were customized as required by NTPC for preparing P&ID, generating GAD and extracting Isometrics.

Piping specifications being used by NTPC were customized.

Deliverables

Soft & copies of the legends, reports equipment, drawing border file and piping specification in line with customer requirements.

Benefits to the Customer

This helped NTPC in building library of customized items in electronic form for their easy modeling of proposed and future plants.