

Customer Profile

BHEL is one of the leading Public sector units manufacturing and supplying heavy electrical machinery's such as transformers, Heavy-duty motors, Air Blowers, Turbines and other associated equipment for power plants. BHEL also manufactures electrical locomotives, in addition they execute turnkey project for power plants. BHEL is an ISO certified organisation.

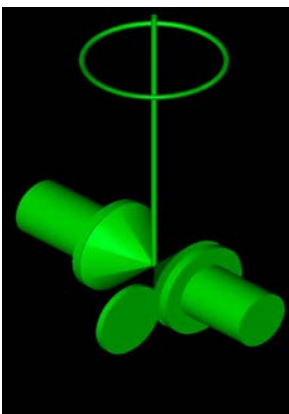
BHEL has design and engineering sections with PDS facility available for 3D Modeling. Even with an in-house facility, they have off loaded detail engineering & 3D-modeling to Rolta, as Quality and Commitment were the criterion.

Contact Details

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

Project Statement

Project 1 - Rolta was awarded 2D & 3D customisation as per BHEL standard. All these deliverables were to be used a various on going projects of BHEL.



The scope was to create Study sketches on paper, equipments drawings, assembly drawings, piping specialities drawings & all reference piping specificatios along with sample formats were provided as initial inputs by BHEL. Based on

these inputs, Rolta was required to customise libraries and deliver them to BHEL.

Scope of the job included:

2D Legends / symbols	:	100
2D Reports	:	4
2D Borders files	:	1
Equipment Eden	:	20
Piping Specifications	:	40
Piping Specialities	:	20
Piping Assemblies	:	10
GAD border	:	2

Reports using VB interface	:	2
IS sections for Structural	:	50
Isogen Customization	as per	BHEL specification

Project 2 - Rolta has been awarded the 3D Modeling of the Equipment's and pipelines for the MAB & WGC units.

MAB unit comprises of equipments like Air Blower, Surface condenser accumulator, CEP, oil cooler, Steam jet ejector, suction air filter, O.H. lube oil tank, gland steam condenser etc.

WGC unit comprises of surface condenser accumulator, CEP, Oil cooler, Steam jet ejector, suction air filter, O.H. Lube Oil tank, Gland steam condenser ,etc. Pipelines connecting this equipment were modelled. On completion of modelling activity, General arrangement drawings and isometrics were generated.

This project was successfully completed as per the schedule.

