

HBS CCP	TECHNICAL BID VOLUME 08	
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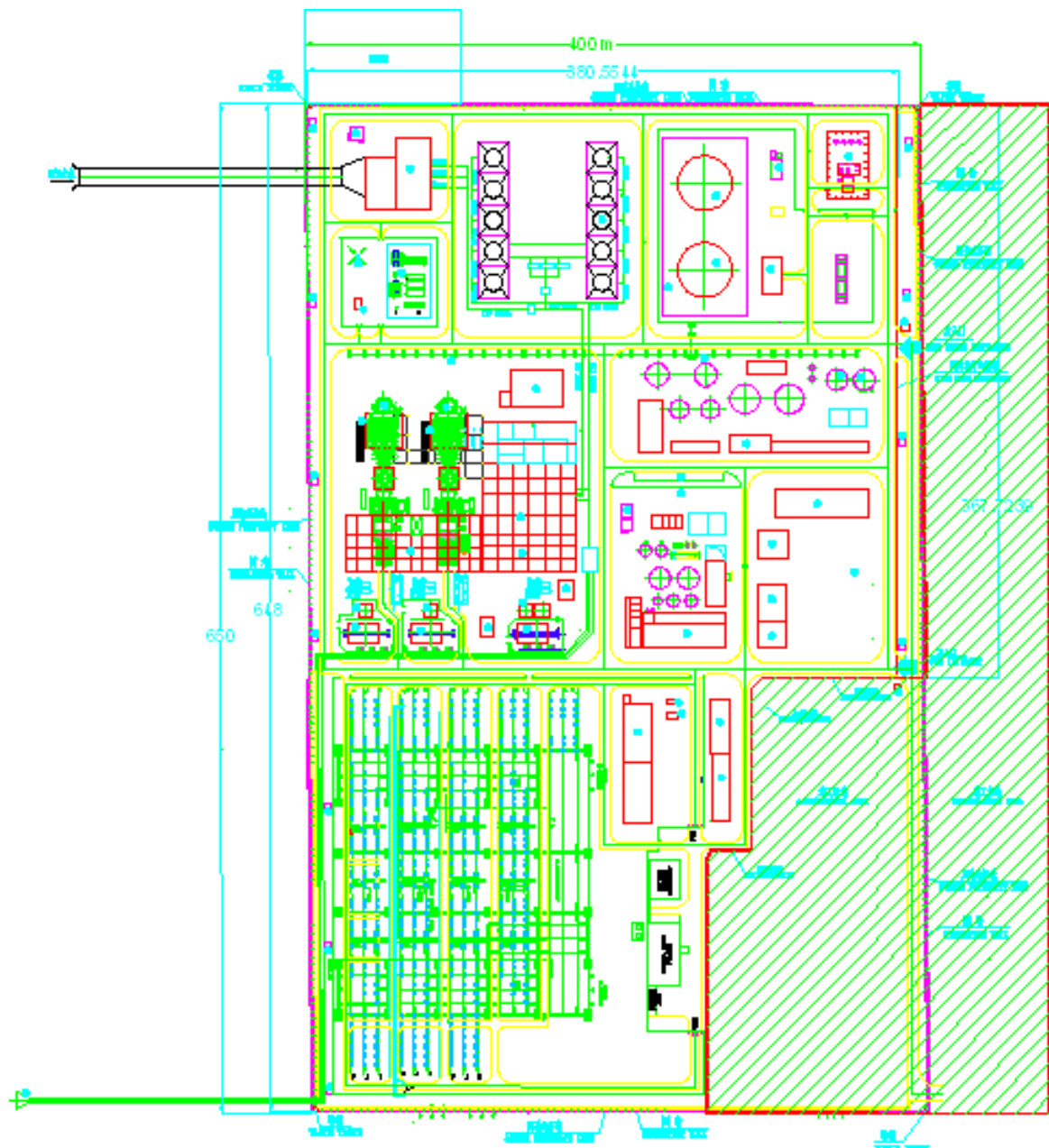
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1 General

1.1 Plant General Layout

According to the technological process of the power plant and taking into consideration of site conditions, one scheme is designed, details refer to the DWG. No. 33-F09221T-Z-02 in “VOLUME 08 Section 06 Drawings”.



1.2 Fences and Gates

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The following fences and gates shall be provided:

- Internal fence around different plants (i.e. transformer compounds, switchyard, storage area, gas metering station, etc.).
- Boundary wall (8 ½' x 9") with 3½' high barbed wire strengthen with Y irons along with watch towers, security lights and internal security road.

One electrically operated sliding gate and barriers at entrance with a separate man gate

One two wing manually operated gate at the secondary entrance to power plant.

1.3 Entrance & road

A permanent access road (approximately 1.5 km in length, 30 feet in width) linking Jhang-Haveli Bahadur Shah road to the Project Site will be provided.

The internal main roads will be 7.5m width and the branch roads will be designed with 6.0m width, so that vehicles can reach to any part expediently.

All roads are bituminous concrete.

1.4 Elevation Planning

Designed elevation:

The final ground elevation will be 155.60m.

1.5 Pipeline and Trench Planning

There are two kinds of arrangement for pipes and cable: pipeline rack and underground arrangement.

Underground arrangement will include underground trenches and direct buried.

The cross slope of the underground trenches will be 2% and longitudinal slope will be not less than 0.3%. And plash will be arranged at the low area of the trenches. Drain pipe will be arranged between the plash and the nearest drain well, so that the water of the trenches will be drained out of the trenches.

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