

BASIC DESIGN

The scope of basic design package includes

Mechanical

- Technical report,
- Ambient conditions and inlet data summary,
- Overall process diagram,
- P&ID of each process system,
- Heat & Mass balances for each process system,
- List of connection points
- List of equipment,
- Piping list,
- Valve list,
- Process data sheets of new or modified equipment,
- Layout drawings of main equipment for each process system,
- Equipment material specification,
- Insulation system,
- Painting system,
- Numbering system,
- Requirements for other process systems

Civil

- Technical Report,
- General site layout,
- Layout of civil objects, side and top view of buildings,
- Single line diagrams of low and medium voltage applications for each civil object,

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Company ID: 04390474
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- Grounding system specification
- Firefighting system,
- Expected civil and geological surveys,
- Requirements for other civil objects

Electrical

- Technical report,
- Overall Single line diagram,
- Electrical equipment list,
- Electrical equipment design data,
- Layout drawings of electrical equipment,
- Requirements for other electrical systems

I&C

- Description of the concept of control including interaction with other process system,
- Control system architecture drawing,
- Description of field instrumentation and measurement,
- Measurement list,
- Requirements for other I&C systems

HAZOP

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