



**HITESH
ENGINEERING EQUIPMENTS**

HITESH ENGINEERING EQUIPMENTS



- HITESH ENGINEERING EQUIPMENTS are experienced in Design, manufacturing and supply of Process Equipment's(Pressure Vessels, Reactors, Heat Exchangers, Columns, Filters and custom built Equipment etc. for Chemical, Petrochemical, Pharmaceutical, Distillery, Brewery, Paint, Fertilizer, Explosive, Agro and Food industries etc.
- Design, Engineering shall be carried out using Codes and standards like ASME, BS, TEMA, IS and DIN. Our design team can take care of special process conditions like High pressure, High/Low temperatures.
- Stage wise, Final Inspection shall be carried out as per QAP
- HEE is equipped with in-house forming, welding, NDT and painting facilities.



EQUIPMENT MANUFACTURED HEE



Range of Products/ Equipments:

- Reactors
 - GMP Reactor, Hydrogenators ,
- Pressure Vessels
- Receivers
- Heat Exchangers
 - Shell & Tube Type, Box Type
- Storage Tanks
 - Horizontal, Vertical & Underground
- Filters
 - Pressure Nutche filter, Leaf filter
- Blenders, BMD Tanks,
- Custom built equipment



Design & Engineering, QA, Testing Facilities



Design & Engineering

We design manufacture and supply equipments like Pressure Vessels, Heat Exchangers, Bulk Storage Tanks, Pipe & Pipe Fittings etc. as per International standards like ASME, BS, API, IS, TEMA under third party inspection like Lloyds, BV etc . Design & Engineering shall be carried out using in house software's.

QA & Inspection

Inspection shall be carried out stage wise and final inspection by HEE / Client / Third party as per approved Quality Plan. Our Quality System as per ISO 9001-2015.

Testing Facility:

In- House - Hydro-Testing, Dye Penetrant Test, Pneumatic testing etc
Out source - Radiography, Magnetic particle, Ultrasonic testing etc





Codes & Standards

ASME Sec. VIII Div. 1

API 650/620

PD 5500

IS 803

IS 800 – 2007

TEMA

IS 2825

BIS Standards

AISC - 2005

IS 10987

BS Standards

API Standards

IS 875

IS 1893

ASTM Standards





Materials Used

Materials:

Stainless steel plate	: SA240 Typ.304/304L, SA240 Typ.316/316L/316Ti, SA240 Typ.317/317L, SA240 Typ.310S, SA240 Typ.321, SA240 Typ.410S, Duplex steels etc.
Carbon steel plate	: IS2002, SA516
Mild Steel Plate	: IS 2062
Pipes	: SA106, IS1239, IS 3589, SA312, SA249, SA213, SA 335
Pipe Fittings	: SA 234, SA 403
Forgings	: SA105, SA350LF2, SA 182
Castings	: IS 210, IS 276, IS 1030
Copper, Aluminum, Nickel etc.	



Fabrication & Machining Facilities



Land & Shed:

- Covered Area – 900 Sq.m
- Open Area – 1500 Sq.m

Fabrication & Machining Facilities:

- TIG Welding Machine – 3No's
- MIG Welding Machine – 3No's
- ARC Welding Machine – 5No's
- Magnetic Drilling Machine – Dia. 32mm – 2No's
- Broach Drilling Machine – Dia. 78mm – 1No.
- Gas Cutting Machine – 3No's
- Pug Cutting Machine – 1No
- Plasma Cutting Machine – 50mm thick – 1No.
- AG-7 Grinding Machine – 5No's
- Straight Grinding Machine – 4No's
- Bench Grinding Machine – 1No.
- Buffing Machine – 1No.



Fabrication & Machining Facilities



- Air Compressor for Painting – 1No.
- EOT Crane – 5MT – 1No.
- Hydra Crane – 14MT – 1No.
- NDT Testing (RT/UT/MPT) – Out Source
- Electric Power – 50HP
- Power Backup – Adequate
- AG-5 Grinding Machine – 6No's
- Horizontal lathe – 1No
- Radial drilling – 1No.
- Plate bending machine 28thk – 1No.

Note: If any machinery required will be added as required



LIMPET REACTOR



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Heat Exchangers



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OXIDIZER BLENDER



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RECEIVERS



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VERTICAL RECEIVERS



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HORIZONTAL STORAGE TANKS



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FILTERS



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EMULSION MATRIX TANK





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