

## *Process Equipment Manufacturers*

SEDIMENTATION | FILTRATION | MIXING

CAPABILITY



## INTRODUCTION

INDOFAB INDUSTRIES is well-known for the supply of quality process equipment for past 35 years. The company has its expertise in the Mid-Sized to Heavy Equipment Manufacturing working with top notch EPC contractors and consultants for serving large size project requirements for Government and Private organisations. The company also houses an impressively equipped Engineering department capable of 3D modelling and Analysis as well as fully-staffed Sales, Production and Customer Service teams. Manufacturing capabilities of the company are summarised as below:

## MANUFACTURING



With central manufacturing facilities of 32000 sq.ft. & total manufacturing facilities over 40500 sq. ft INDOFAB undertakes process equipment manufacturing for diverse industries in field of solid-liquid separation. The company can perform a wide variety of operations in-house due to Broad Range of Inhouse Capabilities as :



### WORKING AREA

Total area available at Mira road premises is 32000 Sq.Ft. Out of which working area of 26000 Sq.ft is covered with fully equipped shed (having center height 12M & 8M) and rest open for storage of raw materials and semi-finished goods. Navi Mumbai works 8500 Sq.ft



### EOT CRANES

The working area is fully equipped with 9 EOT cranes for material handling with maximum capacity upto 15 tons.



### FOUNDRY

We also have an associate foundry with capacity upto 20 to 25 tons /month of castings and single piece castings upto 2.0 tons. and a strong network of pre-approved foundries for customized material castings.



### PATTERN SHOP

With thousands of patterns made against various orders since last 35 years they are tagged with equipment and part no. This helps us cater the spare part requirements of clients for years. Pattern Design to actually produce an engineered product/model is one of the key strengths of company.



### FRP & RUBBER LINING FACILITY

We are capable of taking manufacturing of FRP lined specially built Process Equipments for very harsh environments, this lining is carried out inhouse with specially skilled labours. We also undertake Manufacturing of specially Rubber lined Process Equipments which is accomplished with few of the reputed lining vendors.



INDOFAB INDUSTRIES, MIRA ROAD



### REGISTRATIONS

- ▷ ISO 9001:2015
- ▷ MSMED
- ▷ NSIC & FACTORY ACT REGISTERED UNITS
- ▷ POLLUTION CONTROL BOARD



### OFFICE

3500 sq.ft 2 storey building with fully integrated Admin, Design, Engineering, Procurement and Quality Control divisions. The office also encompasses a vast technical library for references & design support.



### ENGINEERING SUPPORT

Engineering resources allow for seamless integration of your designs into our manufacturing processes. These resources include:

- Industry Experienced Professional Engineers.
- 3D modelling, Visualization, Engineered Detailing, Pilot Study.
- Structural Engineering & Analytical Analysis.

Equipment can be designed in house from concept through design, modelling and prototyping.



### SOFTWARES (x08 Work Stations)

- AUTOCAD 2014/16
- AUTODESK INVENTOR 15
- SOLIDWORKS 2014/15



### POWER

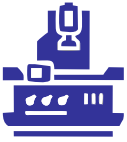
- Total connected load of 150 HP

## MACHINERY LIST



### LATHES (x17)

- WARD HAGGAS & SMITH LTD KEIGHLEY ENGLAND CENTRE. HT. = 2 M, BETWEEN. CEN. = 2 M CHUCK 2M PRECISION LATHE WITH GRINDING ATTACHMENT
- DIVAMAG CENTRE. HT. = 420 MM, BETWN. CEN. = 9000 MM



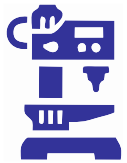
### MILLS (x02)

- BHAMBAR LG. TRAVEL = 750 MM, BED WIDTH = 300 MM
- G.DUFOUR B24B MONTREUIL FRANCE LG. TRAVEL = 1000 MM, BED WIDTH = 350 MM



### BORING (x02)

- GRAFFENSTADEN SPINDLE = 70 MM, TABLE = 1000 X 800
- SPINDLE = 50 MM, TABLE = 1260 X 600 MM



### DRILLING (x06)

- MEW25/230 MAKAWANA ENGINEERING WORKS LIFT HT. = 540 MM, CAPACITY = 75 MM
- KOVOSVIT MAS LIFT HT. = 650 MM, RADIAL ARM = 1250 MM, CAPACITY = 75 MM



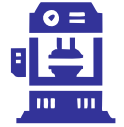
### PLATE ROLLING (x03)

- CAPACITY = 28 MM, WIDTH = 2400 MM
- CAPACITY = 12 MM, TOTAL WIDTH = 1250 MM



### WELDING MACHINES

- SPOT WELDING (x01)
- ARC WELDING (x10)
- TIG (x04)



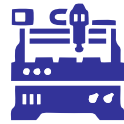
### PRESSES (x01)

- STROKE = 100 MM, BASE = 250 X 250 MM BED GAP = 840 MM, STROKE = 250 MM, CAPACITY = 20 TON



### SHAPPING (x01)

- STROKE = 370 MM, BED GAP = 900 MM



### SLOTTING (x02)

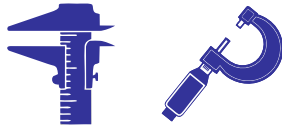
- STROKE = 400MM, TABLE DIA = 1500 MM, EXTENDED TO 10 FT. DIA. GEARS



### BAND SAW (x01) & HACK SAW (x01)

- CAPACITY = 254 MM

## QUALITY



### INSTRUMENTS

- Manual & Digital type Vernier Calliper's of Size 6", 12", 24" & 36" (x18)
- Height Gauge up to 24" (x02)
- Inside Micrometer up to 60" (x06)
- Outside Micrometer up to 36" (x08)
- Hardness Testing Facility (x01)
- Non-Contact type Tachometer (for Recording RPM) (x01)
- Slip Guages (x01)
- Feeler Guages (x02)
- Gear tooth Vernier (x01)
- Radius Guages (x01)
- Non-Contact type Infra-red Temperature Indicator. (x01)
- Electronic Multi-meter (x01)
- Bore Gauge up to 200 mm (x01)
- DFT Meter for Paint Thickness (Microprocessor based) (x01)
- Sound Measuring Meter (Audi meter) (x01)
- Vibration Measuring Instrument (Vibrometer) (x01)



### NOTE:

- Our Engineers are **ASNT NDT Level II** qualified.
- Our Welders are qualified as per **ASME Sec. IX** and are regularly subjected to witness Testing and Certification from reputed Third Party Agencies.
- A tabulated record of all such **WPS, PQR & WPQ** are maintained at our end.
- Presently we have qualified Welders for IS2062 Gr. A/B, SA 36, SA 516/517 Gr. 60/70, SS202, SS304/L, SS316/L, SS409, SS410, SS430 & SS310/L. We do not undertake Work with Exotic Metals



## OUR RECENT PROJECTS



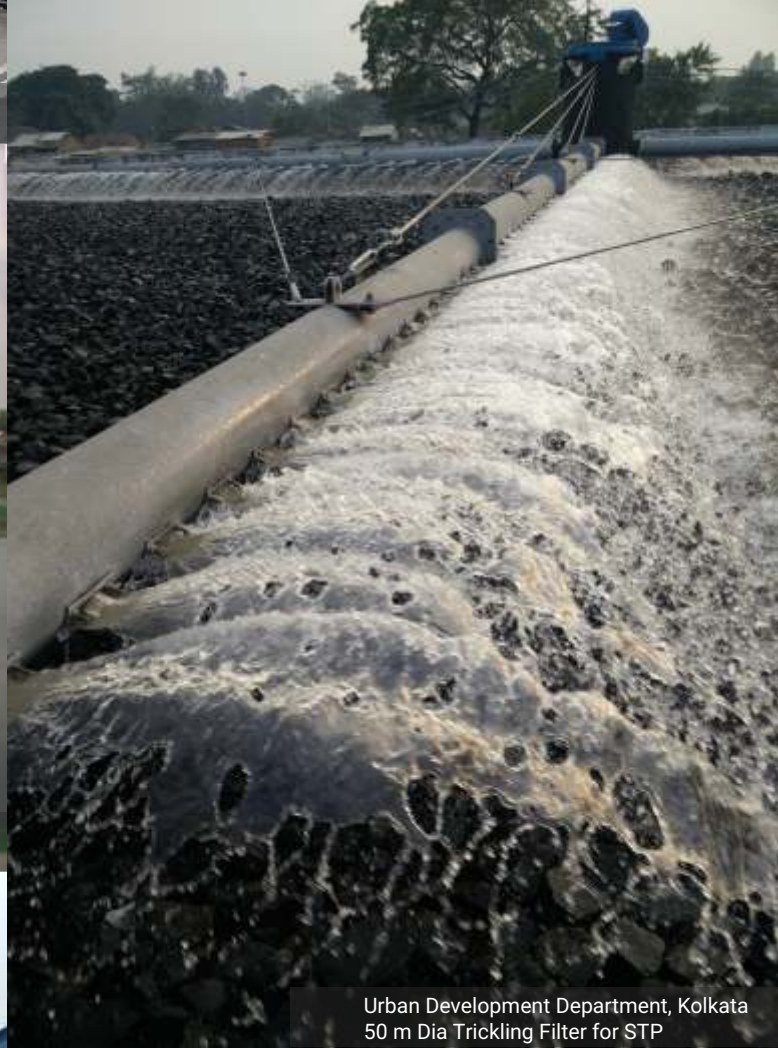
Tarapur Environmental Protection Society  
30 m. Dia Thickener, for 50 MLD Plant, CETP



Thermax, Hinduja Power Plant BHEL project,  
Vishakapatnam, 40 m HRSSC for Desalination



Urban Development Department, Kolkata  
48 m Clarifier for STP



Urban Development Department, Kolkata  
50 m Dia Trickling Filter for STP



Satia Paper, Punjab  
18 m High Rate Solid Contact Clarifier for WWTP



Tata Projects Limited, Riico  
22.5 m Dia Sludge Thickener Application



## OUR RECENT PROJECTS



Gharpure Engineers, Vasai Virar Mahanagar Palika  
58.6 m Dia Clariflocculator for WTP



Mohit Paper Mills Ltd, Bijnor Uttar Pradesh  
Drivehead with Lifting device ReCaustizing Plant



Ion Exchange India Ltd. Welspun, Anjar  
42 m dia clarifier for STP



Ion Exchange India Ltd. Welspun, Anjar  
A3 Drivehead for STP



Ion Exchange India Ltd. Welspun, Anjar  
21.5 m dia thickener for STP



Thermax, Hinduja Power Plant BHEL project,  
Vishakapatnam, 40 m HRSCC for Desalination



Ion Exchange India Ltd. Welspun, Anjar  
9.4 sq.m detritor for STP



Global Coal & Mining Pvt Ltd. Metso Westech  
10 ft x 14 ft Belt Discharge Drum Filter for Coal Benefication



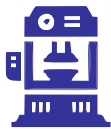
FEW OF ESTEEMED OUR CLIENTS



## TEST FACILITIES

- Test Area for Agitator Trial runs up to 6M Ht.
- All Testing arrangements necessary for Dry Testing of Process Equipments like Drum Filters, Disc Filters, Lime Slakers, Drum Slakers etc.
- Test Circuit arrangement for Wet trials of Pumps.
- Level Surface Tables.
- Vacuum Test Rig.
- Hydraulic Hand Pumps up to 10000 PSI
- Pneumatic Test Rig with Compressor up to 10 Kg/cm<sup>2</sup>
- Test Rigs for Standard sizes of Drive Heads, Turn Tables & Centre Mechanisms.
- Go & No-Go Gauges for Standard Bearing Sizes.
- Knife Edge Rollers Arrangement for Static Balancing of Shafts & Impellers.

\*All Instruments are Timely Calibrated from NABL Accredited Laboratories.



### ASSOCIATED MATERIAL TESTING LABORATORIES:

For All types of Chemical, Physical, Radiographic, Destructive & Non-Destructive Testing)

#### • Metallurgical Services.

NABL Accredited Testing Laboratory  
Ghakopar, Mumbai.

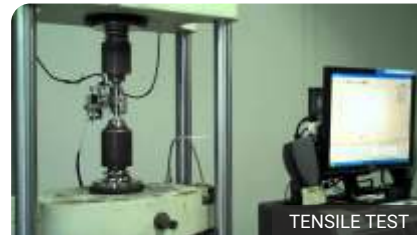
#### • Sohm Analytical Services.

NABL Accredited Testing Laboratory.  
Thane.



### IN HOUSE PRE-TESTING FOR PROCESS EQUIPMENT IS AVAILABLE FOR

- Filtration test leaf test for vacuum filters, belt filters, HBF, pan filters.
- Pilot scale RVDF in SS316 available for site test work.
- Pilot scale cyclone separator for solid-liquid separation site test work.
- Sedimentation / settling test apparatus available for odd slurry tests.
- Abrasion/erosion/application based MOC test work carried out on request.



TENSILE TEST



HARDNESS TEST



BEND TEST



IMPACT TEST

## INSPECTION AGENCIES



**INDOFAB**  
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ISO 9001:2015 Certified Company



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**SEDIMENTATION**




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**DRIVE HEAD**






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**LIME SLAKER**

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**AERATOR**




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**DRUM FILTER**




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**IMPORT SUBSTITUTES  
& OEM SPARES**




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