



# JASH PLANT CAPABILITIES

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INDIA | USA | AUSTRIA | HONG KONG





# UNIT-1

## CAST PRODUCTS PLANT



## UNIT-1 : STORE SHOP



Store Shop Outside View



Small Component Storage



Rods & Pipes Storage



Store inspection Area



## UNIT-1 : FOUNDRY SHOP



Foundry Shop Outside View



Pattern Shop



Melting Shop



## UNIT-1 : GATE SHOP



Gate Shop Outside View



Large CNC Machine Bay



Small CNC Machine Bay



## UNIT-1 : GATE SHOP



Movement Testing



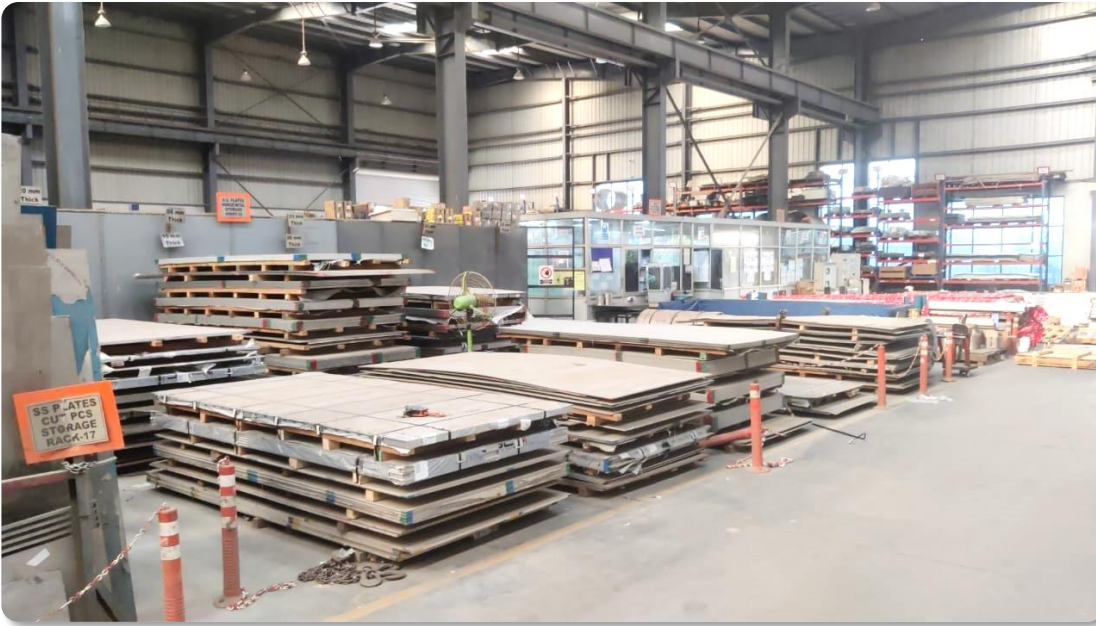
Hydro-testing







## UNIT-2 : STORE SHOP



Stainless Steel Plates Stock inventory



Stainless Steel Round Bars & Cut Plates Stock



## UNIT-2 : CUTTING, BENDING SHOP



### Laser Cutting Machine

Trumpf TruLaser 1030 Fiber CNC laser cutting machine to rapidly cut thin, medium, & thick plates of 3000 x 500 x 16 mm size and cutting speed up to 32 m/min (105 ft/min) for plates of 16 mm thickness using latest generation fiber laser cutting technology.



### Shearing & Bending Machine

Jash uses numerous CNC shearing & Bending machines for a multitude of Stainless Steel fabrication process.



### Water Jet Cutting Machine

To limit the possibility of changing the corrosion resistance properties of Stainless Steel, Jash utilizes heatless cutting characteristic of a CNC water jet. The CNC waterjet cutting machine has the ability to cut Stainless Steel Plates of 12'x6' size with a thickness of 4".



## UNIT-2 : FABRICATION SHOP



Stainless Steel Fabrication Bay



Mild Steel Fabrication Bay

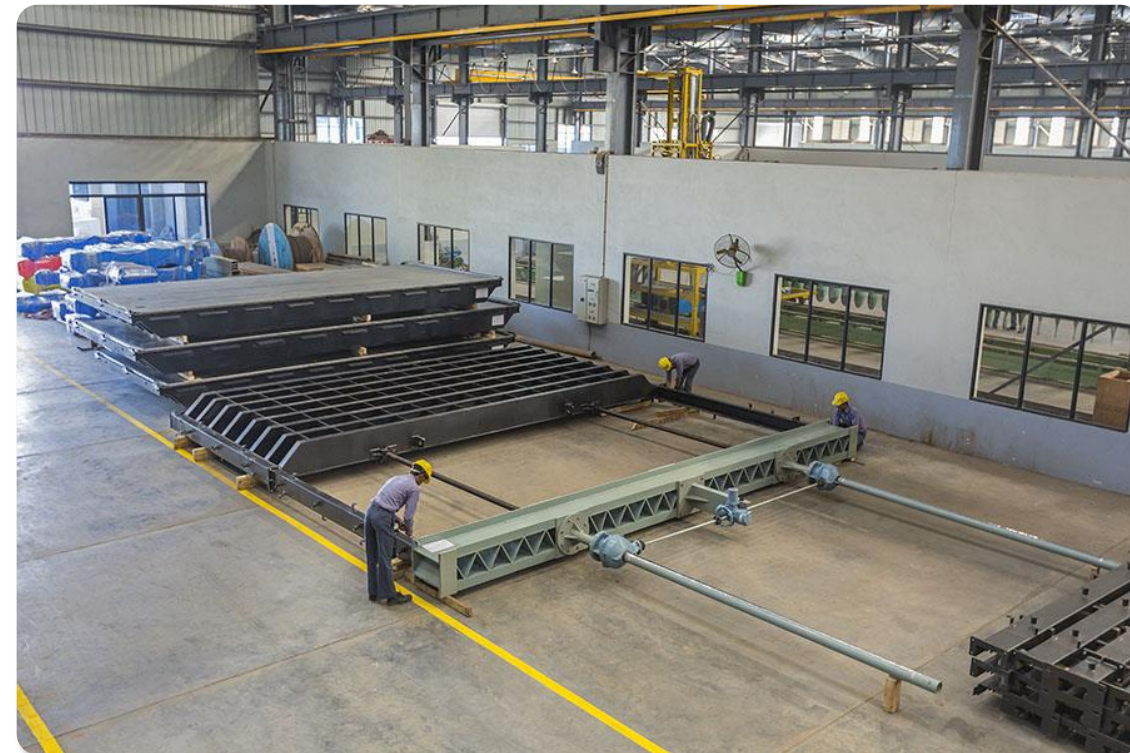


## UNIT-2 : ASSEMBLY SHOP



**Stainless Steel Assembly Bay**

Pic: 3750x37650 mm J-type motorized screen for Jurong Eastern Catchment Package Contract C, JWRP Singapore.



**Mild Steel Assembly Bay**

Pic: 315"x158" Carbon Steel Slide Gate of 70 MLD SPS at Kalyanpuri Project of Delhi Jal Board India.



## UNIT-2 : MILD STEEL BLASTING & PAINTING SHOP



**Shot Blasting Booth (20'x20'x72')**

Jash Employs mechanical cleaning method (shot blasting) to achieve better paint adherence. To ensure clean air discharge, a filtration system is utilized in conjunction with the blasting.



**Painting Booth (20'x20'x72')**

To comply with environmental requirements, Jash uses airless spray painting techniques in a designated paint booth equipped with clean air suction and fume extraction.



## UNIT-2 : STAINLESS STEEL GLASS BEAD BLASTING & PICKLING PASSIVATION SHOP



### SS Glass Bead Blasting

Fabricated Stainless steel gates are glass bead blasted in an environmentally safe method to mechanically remove contaminants, such as free iron particles or dust from the surface of the product .



### Bath Pickling and Passivation

To remove any remaining contaminants from the surface, glass bead blasting is supplemented by bath pickling and passivation. The pickling facility s equipped with fume extraction and acid scrubbing systems for environmentally safe discharge. 13



## UNIT-2 : TESTING SHOP



**Stainless Steel Product Testing Area**

Pic: Tilting Weir Gate having size 8000x2600 mm for project CWRP Phase 2 Contract C21B of PUB Singapore.



**Mild Steel Products Testing Area**

Pic: Archimedean Screw Pump having Screw Diameter - 2900mm X Bladed Length - 13200mm for project PROJEK TEBATAN BANJIR BAYAN BARU – MALAYSIA.





# UNIT-3

## SEZ EXPORT PLANT, PITHAMPUR



## UNIT-3 : STORE SHOP



Storage & inventory



## UNIT-3 : MACHINE SHOP



Small Machine Shop



## UNIT-3 : ASSEMBLY SHOP



Stainless Steel Gate Assembly Shop



Composite Stoplogs Assembly Shop



## UNIT-3 : TESTING SHOP



Hydro-Testing



Movement-Testing





# UNIT-4

RODNEY HUNT PLANT, SEZ PITHAMPUR



## UNIT-4 : STORE SHOP



Rods & Pipes Stock



Cut Plate Stock



Plate Inventory Stock



Plate Inventory Stock



## UNIT-4 : CUTTING & BENDING SHOP



Shearing & Bending



Water Jet Cutting Machine



## UNIT-4 : FABRICATION SHOP



Straightening Area



Welding Area



## UNIT-4 : ASSEMBLY SHOP



Stainless Steel Gate Assembly Shop



## UNIT-4 : GLASS BEAD BLASTING & PICKLING PASSIVATION SHOP



Glass Bead Blasting Area



Pickling & Passivation Area



## UNIT-4 : TESTING SHOP



Hydro-Testing Area at Unit -4

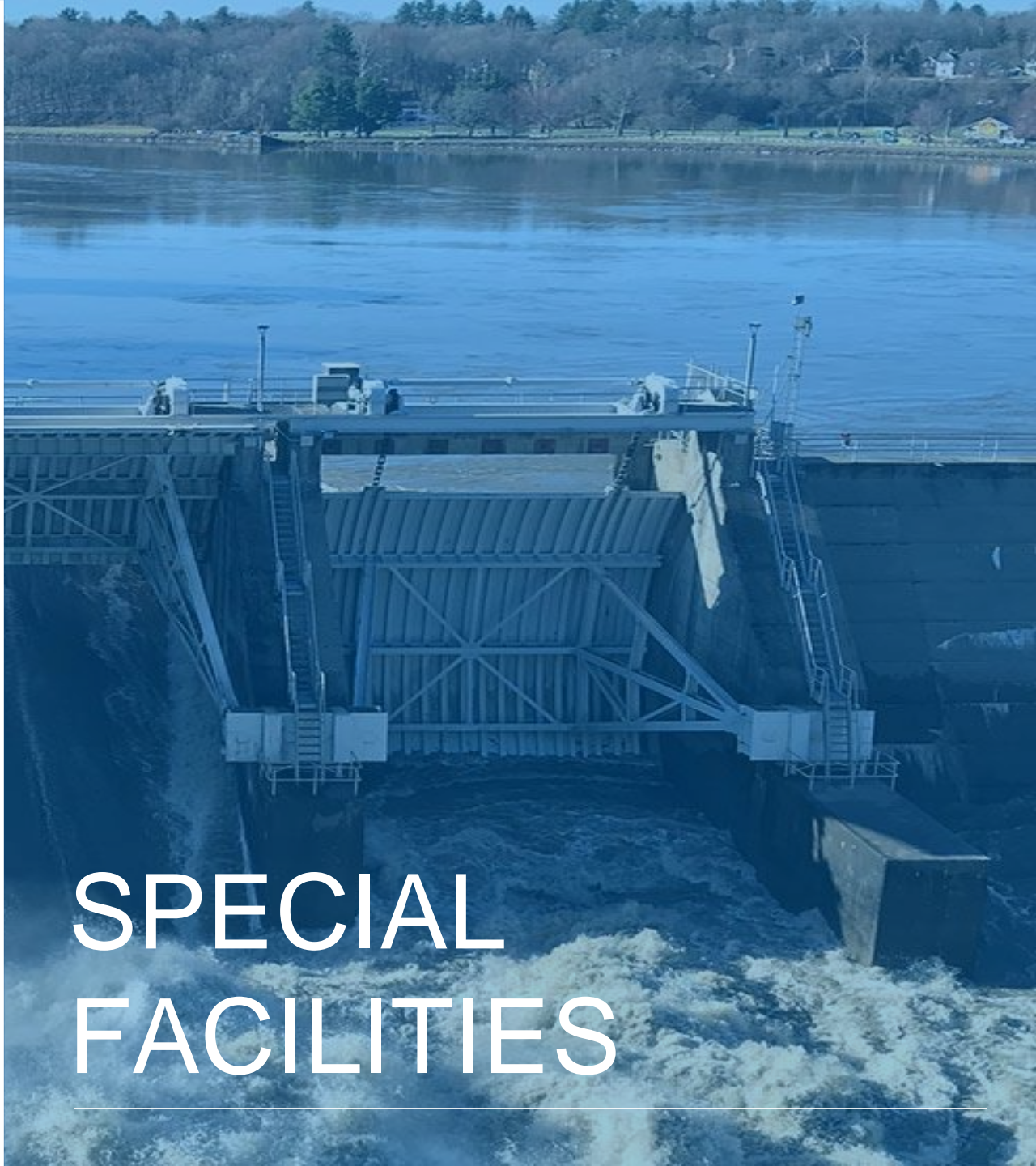


Pic: Stainless Steel Gate 1815 x 4936 mm for project Dalmarnock WWTW Scottish Water, UK.





Jash Rodney Hunt Radial Gate for USA Project.



# SPECIAL FACILITIES



## SYSTEM FOLLOWED TO ENSURE SUPERIOR PRODUCTS



### PMI Testing

Jash maintains high material quality standards by ensuring the compliance of all incoming material in to the manufacturing facility. To do so, Jash uses a positive material identification (PMI) tool, which outputs a materials metallurgy within 10 seconds.



### Testing Lab

Jash's manufacturing facility is fully equipped with inhouse testing machinery to determine various characteristic of a material such as tensile strength and hardness .



## SYSTEM FOLLOWED TO ENSURE SUPERIOR PRODUCTS

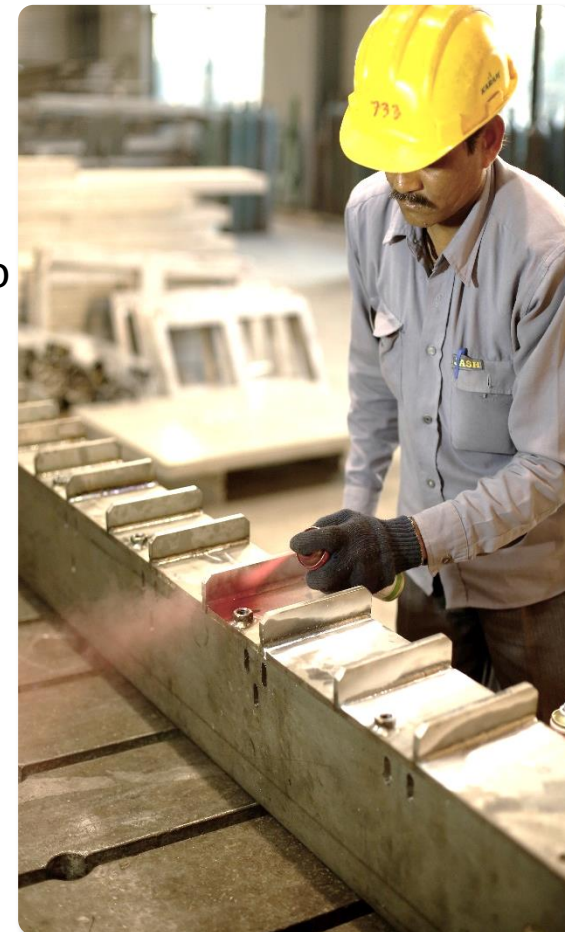
### Welding Using Qualified Welders & Processes

We use qualified processes for welding & approved qualified welders in conformance with AWS D1.6/ASME Section IX as per AWWA and BS EN 15614 as per BS7775. The welder qualification process is witnessed & approved by Bureau Veritas for welding Stainless Steel grades like 304, 304L, 316, 316L, Duplex & Super Duplex.



### DP & Radiography Test

As an integral part of Jash's quality assurance system, all welds undergo dye penetrative testing (DPT) performed by AWS certified inspectors to ensure quality. DPT is performed on all fabricated products weld irrespective of client request. A radiography testing of welding is available upon request.





# SYSTEM FOLLOWED TO ENSURE SUPERIOR PRODUCTS



## NSF 61 For Drinking Water Application

All materials used in manufacturing of slide gates are NSF 61 certified and the manufacturing processes and systems followed ensure that the final product is in full compliance to NSF 61 requirements for drinking water application.



## ISO Certification

We are an ISO-9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company.



*Creating a sustainable environment ..... Worldwide !*

***Thank You***



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