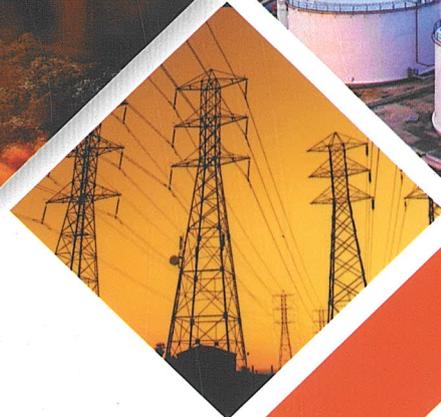
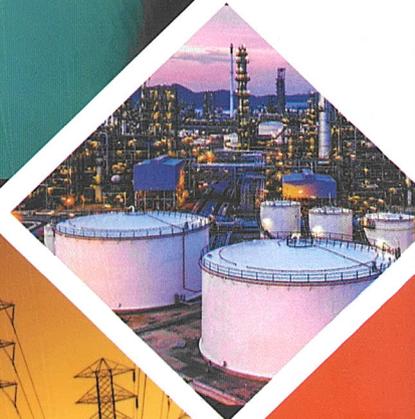
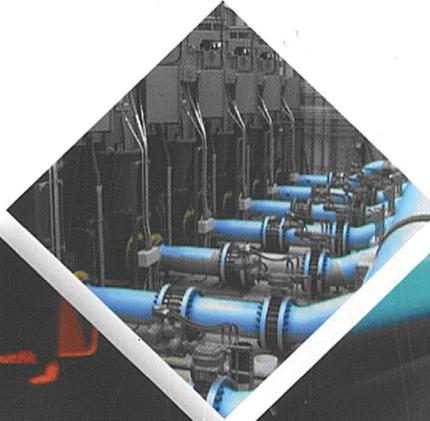




JSONS GROUP

Proud to be a Foundryman

**JSONS FOUNDRY Pvt. Ltd.
WESTERN PRECAST Pvt. Ltd.
UNIT-I & UNIT - II**



**MANUFACTURERS OF CARBON STEEL, STAINLESS STEEL,
ALLOY STEEL, DUPLEX, SUPER DUPLEX & NICKEL ALLOY CASTINGS**

Foundry Facilities	Capacity	Qty
a) Medium Frequency Induction furnace	150 to 2000 kg	08 Nos
b) Sand mixture	60 to 500 kg	14 Nos
c) Sand Reclamation plant-with 6 MT/hour capacity Knock Out Machine	6 MT	01 Nos
d) Hanger type Shot Blasting M/c	500 kg to 2000 kg	03 Nos 04 Nos
e) Gas fired Bogie type heat treatment furnace 6ft x 5ft x 5ft	3 MT 4 MT	01 Nos 01 Nos
f) Gas fired Bell Type Heat Treatment Furnace Size - 5 feet Dia & 5Feet height	4 MT 2 MT	02 Nos 01 Nos
Both Heat Furnace runs with PID controlled Equipped with water Quenching facility – Having water tanks of 16000 Gallons & 20000 Gallons water capacity		

Machine Shop	Qty	
Trevisan Machines DS – 200, 300, 450, 600,	05	02
Horizontal Machine Centre	01	
CNC Turning Machine		15
Vertical Milling Centre	07	13
Vertical Turning Lathe	20	
Tapping Machine		01
Tool Pre-setter		01
Various sized Drill Machines	06	02
Horizontal Boring Machine	03	10
Wire type Key Way Machine size 2000 X 2000 X 1000 mm		01
CMM facility		01
Hydro Testing		02

All welding activities carried out by qualified welders under the supervision of qualified welding staff.

Assj Flow Engineering Pvt. Ltd. Sub Assembly Shop

- ▶ 4 Key Way Machine : Up to 1000 mm length and Job Dia 2000 mm
- ▶ Balancing Machine : The Weight carrying capacity is 3000 Kg and Diameter up to 2500 mm
- ▶ Pipe Bending & Connection Welding ▶ Powder coating & Spray Painting ▶ Polishing, Overlay,

Testing & Inspection

Lab testing Equipment	Inspection
<ul style="list-style-type: none"> • Spectrometer with 29 channels- Iron, Nickel & Nitrogen base. (3 Nos) 	NDT- <ul style="list-style-type: none"> • Radiography – Ir-192, CO-60 – 06 Nos. • Magnetic Particle testing · Dye Penetrant Testing • Ultrasonic Testing Equipment
<ul style="list-style-type: none"> • Universal Tensile testing Machine – 400 KN – 2 no As per ASTM-148 	<ul style="list-style-type: none"> • Radiation check meter – RADEX RD-9.99microSV/Hr
<ul style="list-style-type: none"> • Impact testing Machine- equipped for testing @ minus 196°C – 300 J – 01 no 	<ul style="list-style-type: none"> • PMI – 10 elements check – • Ferritoscope • In-Sutu Metallographic equipment- To check Microstructure on Job.
<ul style="list-style-type: none"> • Dynamic Hardness tester up to 500 BHN • Pin Share Poldi hardness Testing equipment 	<ul style="list-style-type: none"> • Surface Testing machining comparator • Faro Arm & CMM for Machining Dimn. Inspection

All NDT activities are carried out by ASNT level I & Level II & as per ISO 9712



Ferritoscope inspection



Faro Arm CMM Inspection



Hardness Testing



Micro Structure by In-situ on casting

Western Precicast Pvt. Ltd.
Unit I & II

Foundry & Machine Shop

Foundry Facilities	Capacity	Qty
Production	2.0 MT	04 Nos.
a) Medium Frequency Induction furnace	3.5 & 5 MT	
	7.0 MT	
b) Argon Oxygen Decarburization (AOD)	12 MT	01 Nos.
c) Omega make Continuous Mixers for Moulding	20 MT per hour	02 + 01 Nos.
d) Omega make Continuous mixer for Core	10 MT per hour	01 + 01 Nos.
e) Sand Reclamation plant-with 40 M.T capacity Knock Out Machine	40 MT	01 Nos.
f) Hanger type Shot Blasting Machine	3 & 6 MT	04 Nos.
g) Gas fired Bell Type Heat Treatment Furnace 1) 3.8 meter Dia 2) 2.8 meter Dia	8 MT & 12 MT	05 Nos.
All Heat Furnace runs with PID controlled & Quenching facility with water tank of capacity 44000 Gallon water		

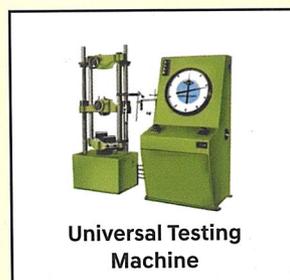
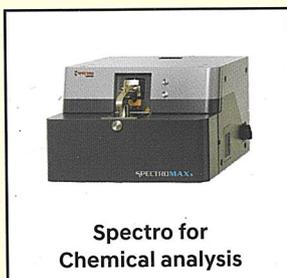
Machine Shop	Qty
Trevisan Machines DS - 600, 900 & 1000	07 Nos
Vertical Turning Lathe	14 Nos
Horizontal Boring Machine	05 Nos
Vertical Milling Centre	07 Nos
Various sized Radial Drill Machines	04 Nos
Wire type Key Way Machine size 2000 X 2000 X 1000 mm	01 Nos each
Impeller Balancing Machine - Size up to 2800 mm	01 Nos
Hydro Testing Facility up to 300 Bar	

All welding activities carried out by qualified welders under the supervision of qualified welding staff.

Testing & Inspection

Lab testing Equipment	Inspection
<ul style="list-style-type: none"> Spectrometer with 32 channels- Iron, Nickel & Nitrogen base. (2 Nos) 	<p>NDT-</p> <ul style="list-style-type: none"> Radiography - Ir-192, CO-60& Linac 6 MEV - 07 Nos Magnetic Particle testing Dye Penetrant Testing 2 Nos. Ultrasonic Testing Equipment
<ul style="list-style-type: none"> Universal Tensile testing Machine - 400 KN - 2 no 	<ul style="list-style-type: none"> Radiation check meter - RADEX RD-9.99microSV/Hr
<ul style="list-style-type: none"> Impact testing Machine- equipped for testing @ minus 196°C - 01 no 	<ul style="list-style-type: none"> PMI - 10 elements check - Ferritoscope In-Situ Metallographic equipment- To check Microstructure on Job.
<ul style="list-style-type: none"> Dynamic Hardness tester up to 500 BHN Pin Share Poldi hardness Testing equipment 	<ul style="list-style-type: none"> Surface Testing machining comparator Ferro Arm & CMM for Machining Dimn. Inspection

All NDT activities are carried out by ASNT level I & Level II & as per ISO 9712



CERTIFICATION



**AD-2000
MERKBLATT**



Grade- Duplex 4A,5A,6A,
CK3MCUN



**BUREAU
VERITAS**

Marine Approval



Marine Approval



DNV

Marine Approval



Lloyd's
Register

OUR CUSTOMERS

PUMP INDUSTRIES

- ▶ Flowserve Group - India, Italy, Spain, Netherlands, Argentina, Mexico
- ▶ Suzler Pump - India, Germany, Brazil, Spain, Saudi
- ▶ ITT - India, Korea, Mexico, Saudi, Germany,
- ▶ KSB Pumps - India, Germany, South Africa
- ▶ Ruhrpumpen - India, Mexico, Europe
- ▶ Hysoung - Korea
- ▶ Torishima - India, Japan
- ▶ Trillium - Temomeccanica - Italy
- ▶ Celeros F-T - Uk, Canada
- ▶ Wilo Mather & Platt - India
- ▶ KEPL India
- ▶ Xylem - India
- ▶ BHEL - India
- ▶ KBL - Kirloskar Brothers
- ▶ DMW - India, Japan
- ▶ Atlas Copco - India, Italy
- ▶ Sundyne - India, Spain, UK

VALVE INDUSTRIES

- ▶ L & T Valve - India
- ▶ Ampo Valves - India, Spain
- ▶ AE Valves - (Emerson) - Belgium
- ▶ Orion Valves - Italy
- ▶ IMI CCI - India, Belgium
- ▶ Ghatge Patil - India
- ▶ Xomox Chihuahua - Mexico
- ▶ Microfinish Valves - India
- ▶ Dembla - India
- ▶ Delval - India
- ▶ Flow America - Huston
- ▶ Valvitalia, Italy
- ▶ KSB - India, France
- ▶ Crane Process India Flow Tech Ltd.
- ▶ RMT Volvomeccanica - Italy
- ▶ Petrol Valve - Itali

HYDRO TURBINE COMPONENTS

- ▶ B. Fouress - India
- ▶ Flovel - India
- ▶ Andritz Hydro India

CASTINGS FOR PUMPS & VALVES

Volute Casing



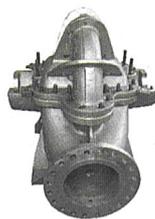
Wt. 500 kg / WCB

Casing Side-Side



Wt. 1660 kg / WCB

Split Pump



Wt. 1100 kg / 6A

Volute Casting



Wt. 550 Kg. / WCB

Volute Casing



Wt. 8740 kg / CF3M

Barrel Casing



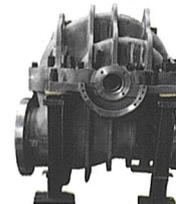
Wt. 1300 kg / CF3M

Pump Casing



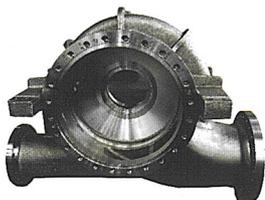
Wt. 2850 kg / LCB

Split Pump Casing



Wt. 3500 kg / 5A

Casing Side-Side



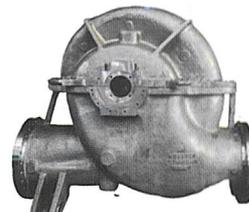
Wt. 1450 Kg. / WCB

Pump Casing



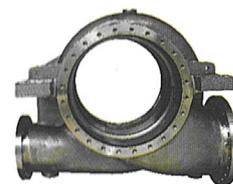
Wt. 1800 Kg / 5A

Split Pump Casing



Wt. 9200 Kg. / 5A

Casing Side-Side



Wt. 1450 Kg. / CA6NM

Upper Casing



Wt. 900 Kg. / 6A

Casing Side-Side



Wt. 2300 Kg. / WCB

Pump Bowl



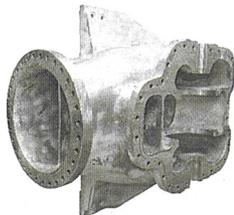
Wt. 9200 Kg. / 6A

Lower Casing



Wt. 1400 Kg. / 6A

Lower Casing



Wt. 3000 Kg. / 6A

PUMP Casing



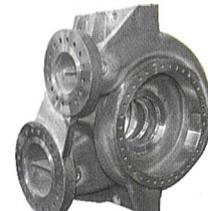
Wt. 4850 Kg. / CN7M

Casing



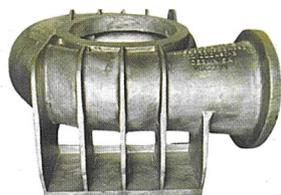
Wt. 300 Kg. / WCB

Pump Casing



Wt. 3000 Kg. / CF3M

Pump Casing



Wt. 3600 Kg. / 5A

Closed Impeller



Wt. 2800 Kg. / CF3M

Double Suction Impeller



Wt. 2800 kg. / CF3M

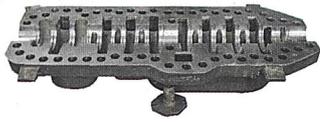
Impeller



Wt. 4200 Kg. / CF3M

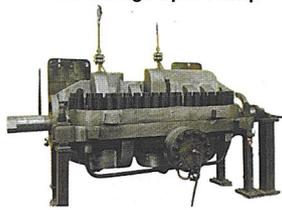
CASTINGS FOR PUMPS & VALVES

Multi Stage Split Pump



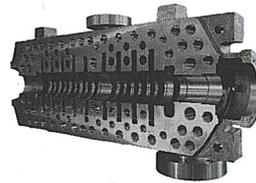
Wt. 3950 Kg. / 5A

Multi Stage Split Pump



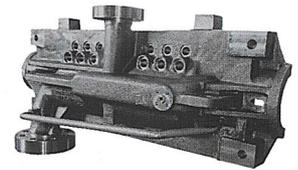
Wt. 7200 Kg. / 5A

Multi Stage Split Pump



Wt. 5200 Kg. / CF3M

Multi Stage Split Pump



Wt. 4700 Kg. / CF3M

Pump Casing



Wt. 3500 Kg. / CF8M

Pump Casing



Wt. 5200 Kg. / 5A

Pump Casing



Wt. 6200 Kg. / 4A

Pump Casing



Wt. 1100 Kg. / CF8M

Pressure Seal Gate Valve



Wt. 3600 kg. / CU5MCuN

Control Valve Body



Wt. 5500 kg. / LCC

Gate Valve Body



Wt. 6500 kg. / WCB

Gate Valve Body



Wt. 4200 kg. / CF8M

Ball Valve Body 16x1500

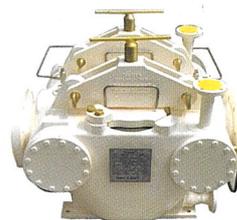


Wt. 2400 Kg. / CF3M-CF8M

Gate Valve Body



Wt. 3500 Kg. / WCB



Assembled Strainer Valve Body

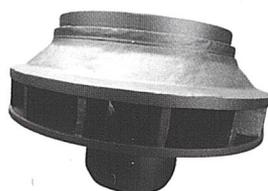


Francis Runner



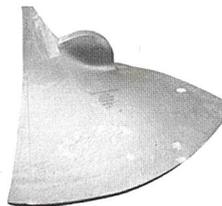
Wt. 2600 Kg. / CA6NM

Francis Runner



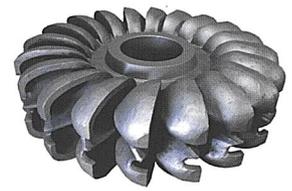
Wt. 2600 Kg. / CA6NM

Runner Blade

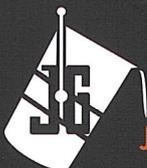


Wt. 3500 Kg. / CA6NM

Pelton Runner



Wt. 4200 Kg. / CA6NM



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