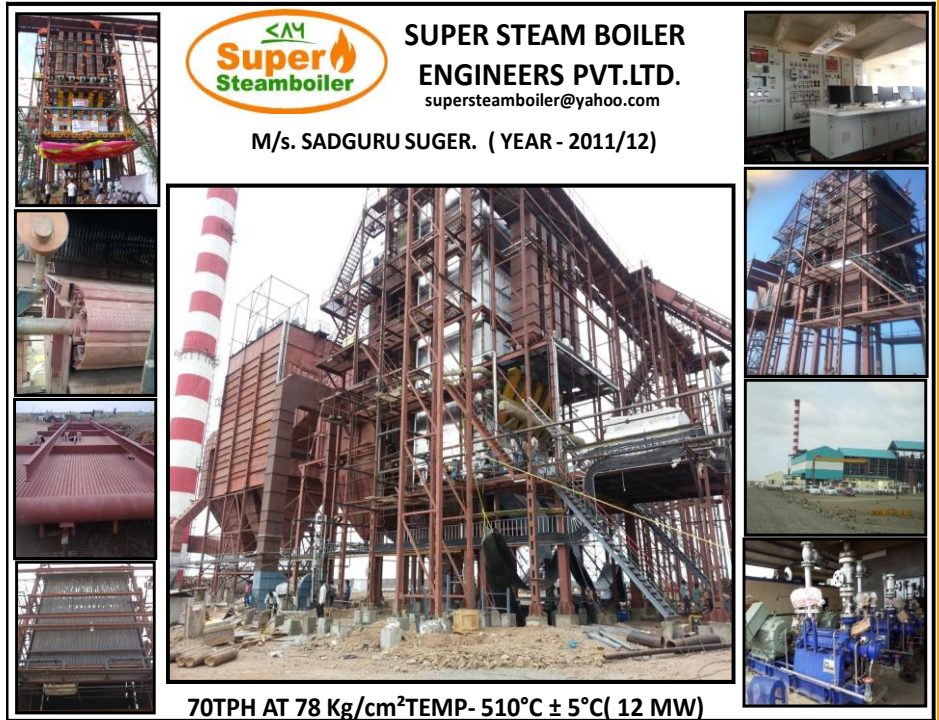




**SUPER  
STEAM**



**SUPER STEAM BOILER  
ENGINEERS PVT.LTD.**  
supersteamboiler@yahoo.com

M/s. SADGURU SUGER. ( YEAR - 2011/12)

70TPH AT 78 Kg/cm<sup>2</sup>TEMP- 510°C ± 5°C( 12 MW)

## TOTAL BOILER SOLUTION

**MANUFACTURERS OF STEAM BOILERS HP WATER TUBES &  
PACKAGE, COMBI AND BOILER PRESSURE PARTS, FITTINGS ETC**

### Pioneers in Clean Energy Generation

*We are pleased to introduce ourselves as manufacturers of various types of Steam Boilers and Boiler pressure parts. We take turnkey jobs for various industries*

- Power Co-generation Plants
- Petro Chemicals and Allied Industries
- Textile/Printing/Sizing Units
  - Distillery Plants
- Palm / Groundnut Oil Industries
- Starch units / Paper Plants
- Food Processing Units & All industries which use "STEAM" as a source of energy.
- Website : [www.supersteamboiler.co.in](http://www.supersteamboiler.co.in) / [supersteamboiler.com](http://supersteamboiler.com)  
 Email: [supersteamboiler@yahoo.com](mailto:supersteamboiler@yahoo.com) / [info@supersteamboilers.com](mailto:info@supersteamboilers.com)

### **SUPER STEAM BOILER ENGINEERS PVT. LTD.**

PLOT NO A-402, TTC INDUSTRIAL  
AREA MIDC MAHAPE  
NAVI MUMBAI – 400710  
INDIA  
Phone + 91-22-41412121  
EMAIL US

[supersteamboiler@yahoo.com](mailto:supersteamboiler@yahoo.com)  
[info@supersteamboilers.com](mailto:info@supersteamboilers.com)



ISO 9001 : 2008 CERTIFIED COMPANY



# **SUPER STEAM BOILER ENGINEERS PVT. LTD,**

Ref.:- SSB/INTRO/S/2019-2020

Date :- 1<sup>st</sup> Feb.2020

To,  
The Managing Director  
M/s.

## **SUB: COMPANY'S PROFILE**

Dear Sir,

We are pleased to introduce as a boiler manufacturer of various types of "SUPER STEAM" make Steam Boilers and Boiler pressure parts on turnkey basis required in various industries like Sugar Plant with Power Cogen, Petro Chemicals, Textile,Sizing Unit, Distilleries Factories, Pam oil & Groundnut Oil Industries, Starch units, Paper Plants, Food Processing Units etc. Our range of

Our Main Products is as mentioned below.

### **A) SUGAR PLANTS :-**

WE UNDERTAKE DESIGN, DEVELOPMENT, MANUFACTURE, SUPPLY & ERECTION OF COMPLETE SUGAR, JAGGERY, DISTILLERY PLANTS WITH POWER CO-GENERATION ON TURNKEY BASIS & BOILERS UP TO 150 TPH CAPACITY AT PRESSURE 105 KG/CM2 WITH TEMP. 540 DEG.CENT.

### **B) BOILERS PLANTS :-**

1. WATER TUBE HIGH PRESSURE STEAM BOILERS CAPACITY UPTO 150 TPH FOR PROCESS,POWER INDUSTRY AND ALSO FOR POWER CO-GENERATION PRESSURE UP TO 110 KG/CM2 AND SUPERHEATER TEMP. UPTO 540°C BASED ON MULTI FUEL LIKE BAGASSE,HUSK, AGROWASTE, PALM FUEL, COAL WITH MULTI FURE GRATES LIKE CHAIN GRATE STOCKER, DUMPING/ PULSATING GRATES, FBC/AFBC GRATES.
2. WATER TUBE, 'D' TYPE BOILERS UPTO 25 TPH ON OIL/GAS OR MULTIFUEL & FBC ON COAL/ RICE HUSK// LIGNITE ETC.
3. PACKAGE SHELL SMOKE TUBE, THREE PASS WET BACK BOILERS ON OIL / GAS, UPTO 20TPH, ALSO ON COAL,AGROWASTE, MULTI FUEL FIRE .
4. COMBI INBUILT WATER TUBE CUM FIRE TUBE SOLID FUEL BOILERS CAPACITY UPTO 25 TPH AT PRESSURE UPTO 21KG/CM2 SUTABLE ON MULTIFUEL GRATES ON AGROWASTE,COAL ETC. AND ALSO FBC GRATE FOR COAL /HUSK FIRE.
5. SUPPLY OF BOILER PRESSURE PARTS LIKE SUPER HEATER,ECONOMISERS, DRUM INTERNALS, BEND TUBES, AIR PRE HEATER, DUST COLLECTOR LIKE ESP, WET SCRUBBER, MDC,BAG FILTER, PLANT PIPING, PRV & PRDS STATIONS ETC.
6. BOILER AUTOMATION LIKE DCS/PLC,THREE ELEMENTS LEVEL CONTROLLER, MULTI TEMP. SYSTEM, SAFETY INSTRUMENTS, IBR VALVES, SOOT BLOW VALVES, MOBREY CONTROLLERS, STEAM SEPARATOR/STRAINER, SAFETY VALVES, WATER LEVEL GAUGES, FORGED PIPE FITTINGS, FLANGES, ETC.
7. STEAM GENERATOR & BABY/ HOT WATER BOILERS, DEARATOR/ IBD/ CBD TANKS, HEAT EXCHANGERS, H.P.HEATERS ,STERILIZER ETC.
8. MODIFICATION & UPGRADE OF EXISTING BOILER FOR HIGHER CAPACITY, FUEL EFFICIENCY & TO SOLVE EXISTING PROBLEM OF STEAM GENERATION AND IMPROVE S.H. TEMP. & ANY KIND OF BOILER MODIFICATION.

We have supplied 458 nos boilers to various Industries like Distillery/Paper/Starch/Chemicals/Pam Oil Industries units having capacity from 0.5 to 135 TPH & Pressure from 7 Kg/cm2 to 105 kg/cm2 having saturated & S.H.Temp. range upto 540°C.

**Our 50 TPH boiler having working pressure 45 Kg/cm<sup>2</sup> & S. H. temperature 500°C is working since last 12 years without any problem at M/s. Vitthal Sugar Ltd., M.S., India and they are co-generating power up to 9 MW on Back pressure Turbine and also fuel (Bagasse) saving upto 10%.**

**Our H.P. boiler working with M/s. Satish Sugar Ltd., Karnataka, India having capacity 90 TPH at Working pressure 72 Kg/cm<sup>2</sup> at SH Temp. 510°C having power co- generation capacity by 15 MW working since last 13 years on fuel bagassee with saving fuel upto 10%.**

**Also our H.P. boiler working at M/s. Sri Sri Sadguru Sugar Ltd., M.S., India having capacity 70 TPH Working pressure 78 Kg/cm<sup>2</sup> at SH Temp. 510°C from last five years with 12 MW Power co-gen Turbine & fuel efficiency achieve by 71% on Bagassee fuel Travelling Grate.**

**Our all products are tested at various stages under Director of Steam Boilers / Lloyd's Register Asia / Bureau Veritas etc. also by third party various consultants as per IBR/ASME/BS Codes. We use all approved material as per specification given in IBR/ASME/BS codes. We conduct all tests like Destructive testing of materials including Physical & Chemical tests, Bend tests, Ultrasonic tests, Weld tests, Radiography, Stress Reliving & Hydraulic tests etc. Our all welders are approved under IBR, Lloyd's & BV and qualified for X-ray welding by Electric-Arc/Tig process.**

**We manufacture boilers as per heat load design achieving maximum efficiency and capacity. All safety equipment provided i.e. Mechanical & PLC/DCS instruments to run Boiler safety. All our products are approved by various consultants and parties. List of our clients is attached.**

**We have a flagged Heavy Machinery workshop for fabrication having facilities like Plate Bending Machines Capacity 16mm to 80mm thk x 3000mm Width, CNC Tube Bending Machines up to 115mm dia, Radial Arm Drill Machines up to 115 mm dia. drillings, Hydraulic CNC tube Swage end Machines size up to 76.2mm dia, , Over head Crane facility, Auto Plate Welding Machines, Hydraulic Presses up to 400 Tons, Mechanical & Hydraulic. Testing Machines etc. also office with Full Computerized facility in Planning, Autocad Design, Drawings, Production, and Inspection & Sales service departments respectively.**

**Our Managing Director and staff are having more than Twenty five years of experience in Boiler Industry. Our sister concern M/s. Asian Boiler Engineers Pvt. Ltd is involved in Project Plants/ Boiler Erection, Retubing and Modification of boilers etc. doing since last 30 years.**

**For your kind perusal we are enclosing herewith our Organization Information, List of Valued Clients and Production facilities with us for execution of jobs. We would request you to register our name as an Approved Boiler Manufacturers & Supplier of Boilers/ Pressure Part equipments etc.**

**Thanking you and assuring our best and prompt services at all , we remain.**

**Yours faithfully,**

**For SUPER STEAM BOILER ENGINEERS PVT.LTD.**

**MANAGING DIRECTOR/DIRECTOR.**

**Encl: Manufacture item list**

**Main Client list etc.**



## **SUPER STEAM BOILER ENGINEERS PVT. LTD.**

### **WE MANUFACTURE & SUPPLY FOLLOWING PARTS**

- 1 High pressure Boilers up to Pressure 105 kg/cm<sup>2</sup>, Capacity upto 150 TPH at SH Temp. 540 deg.cent, suitable for Process Industries & Power Co-generation.**
- 2 Varies design Boilers supplied like Package smoke tube, Combi in build furnace, Water Tube High Pressure boilers on multifuel on fuel Bagassee, Rise husk, Pam fiber, Fire wood, Coal ,Oil/Gas etc.**
- 3. We supply Pressure Reducing cum De-Superheating Station suitable up to 25 TPH & Pressure from 105Kg/cm<sup>2</sup> to low pressure & Temp. as per Process.**
- 4 Fabricated steam separator / Strainer, De-superheating vessel. Pressure Vessel. Steam distributing heaters, Boiler headers, H.P. Heaters, Steam generators. Super heater coils, Economisers , Boiler bend tubes, Air preheaters etc.**
- 5 Boiler Drum primary & secondary internals /SS chavaran separators for steam dryness, Steam separators, Boiler Silencers, Sterilizer etc.**
- 8 Hot water boilers, Heat Exchangers, Evaporators, H.P. Heaters, Accumulator, Deareator/Feed Water Tanks, CBD/IBD Blow down tanks, Baby boilers. Forged fittings like flanges/Elbows, reducers etc as per ASME/DIN/IBR status.**
- 9 Conversion of your oil fire boiler on solid fuel/FBC Bed/Pulsating Grate etc. Fuel Handling system, Fuel spreaders/Regulators, Bell breaker, Multi cyclone dust collector, Air lock valves, Wet-scrubbers.,ESP etc.**
- 10 Stop valves, Soot blow valves, Feed check valves, Safety Relief Valves, Mobery Level controller, Level gauges etc. Boiler instrumentation PLC/DCS, Three element level controller, Multi point draft/ Temp. recorders safety equipment.**
- 11 Supply & erection of furnaces like Pulsating Grate/ Travelling Grate with hydraulic drive, Fix Grates, FBC/AFBC Grates etc. Fuel Handling System, Screw type/ Belt type/ Plate type Chain Conveyor, Bucket Elevator.**
- 12 Auto Instrumentation for Boilers with PLC & DCS system, MCB etc.**
- 13 Modification of boilers for higher capacity & fuel efficiency.**
- 14 Sugar / Jaggeri Plants, Distillery Units. Pam Oil Plants etc.**

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## OUR WORKSHOP FACILITY

We Based in Navi Mumbai (India) have a full fledged ISO 9001 Approved well develop design office facility & Heavy Machinery workshop fabrication facility i.e.

- Plate Bending Machines Capacity 40 & 80mm thk x 3000mm Width -3 nos
- CNC Tube Bending Machines capacity 80 to 115mm diameter – 4 nos
- Radial Arm Drill Machines with drilling capacity upto 100 mm diameter -4 nos
- Hydraulic CNC tube Swage end Machines with swaging capacity upto 76.2 mm in dia. to 38.1mm Reduce diameter – 2 nos
- 40 Ton/15 Ton Over head EOT Cranes facility - 3 nos
- Auto Seam MIG Welding Machines with Rotators – 2 nos.
- Hydraulic Presses up to 100/200/400 Tons. – 3 nos
- Motorised Mechanical & Mannul Hydraulic Testing Machines -13 nos +
- Tube Pannel Welding Machine with auto weld & straigthing type – 1 set
- Various types of Welding Machines with Tig/Mig/Elec. Etc. -55 nos +
- Hydraulic/Electric Tube Expanding,Beveling,Faceing Machines-15 sets
- Various Tools,Testing Machings,X-ray, SR facility etc.
- An office Full Computerized facilities in Planning and Autocad Designing, Production/ Inspection & Sales/Service departments respectively.

Our Factory Headed by our Managing Director **Mr. Anwar Kazi** and Directors, various department staff having more than Thirty years experience in Boiler Manufacturing, Modification, Maintaince in Industries.

We would request you to register our name as an Approved supplier of Boiler Manufacturers & various allied products as per our product range list enclosed.

\*\*\*\*\*



12 TPH 32Kg/cm<sup>2</sup> at 400°C Viraj

12TPH 32Kg/cm<sup>2</sup> Moha Suger

25 TPH 45Kg/cm<sup>2</sup> S.P. Suger

60TPH 45kg/cm<sup>2</sup> GM Suger Uganda



18TPH 45 Bar Yeshraj Dist. 20 TPH 45 Bar Vithal Dist. 30 TPH 45 Bar Granotyk Dist. 40 TPH 45 Bar Ambedkar Suger

## **OUR MANUFACTURING & SUPPLY PRODUCT RANGE**

- 1. High Pressure "WATER TUBE" boilers Capacity upto 150 tons/hr, Package boilers, Hut Type Inbuilt Combi boilers Multifuel on solid Agrowaste,Coal, Oil/Gas, Waste Heat Boilers etc.**
- 2. Heat Exchangers, Evaporators, H.P. Heaters, Accumulator, De-aerator & Feed Water Tanks, CBD/IBD, Blow down tanks, Baby boilers, Sterilizers. Hot Water Boilers,Steam Generators.**
- 3. Boiler Level Gauges,Soot Blow Rotary & Retractable Valves, Drum Internals Primary & Secondary SS chevron type, Steam separators, Fuel Feeder/Spreaders, Steam Silencers etc.**
- 4. PRV, Pressure Reducing cum De-Superheating Stations suitable up to 60 TPH & pressure from 105 Kg/cm<sup>2</sup> to 1kg/cm<sup>2</sup> at Temp. range 540 °C to 120 °C, HP/LP Dosing System**
- 5. Fabricated Steam separator / Strainers, De-superheating vessels, All types of Chimneys. Steam distributing heaters, Boiler headers, H.P. Heaters, Air Preheaters**
- 6. Tube Fin Welded Panels, Economisers, Super Heaters,Boiler bend tubes,FBC Bed Coils,FBC bed Tube Sheet with SS Nozzels,FBC Fuel feeders/Mixers, Screw Feeders ,Air lock Valves**
- 7. Forged fittings like flanges/Elbows, Reducers/Valves etc as per ASME/DIN/IBR std.**
- 8. Modification of your used boilers for higher efficiency, Capacity, SH Temp.,& for convert to fuels oil to solid/FBC Bed/Pulsating Grate,Automation to PLC base etc.**
- 9. Fuel/Ash Handling system,RBC, Fuel spreaders/Regulators, Bell breaker/Crushers etc.**
- 10. ESP, Wet Scrubber, Bag Filter,MDC, Air lock valves, I/d, F/d, S/a Fans.ESP Parts**
- 11. Stop valves Gate/Globe, Soot blow valves,NRV, Feed check valves, Safety Valves, Mobery Level controllers, Level gauges,Auto Blow down, etc.**
- 12. Boiler Auto Instrumentation on PLC/DCS base, Three element level controller, Multi point draft/Temp., recorders, Steam & Water flow Nozzels,Oriface Flanges,MCB Pannels etc.**
- 13. Supply & erection of furnaces like Pulsating Grate/ Travelling Grate with hydraulic drive, Fix Grates / Water Cooled Grates, Vibrating, FBC/AFBC Grates.**
- 14. Fuel Screw / Belt / Plate type Conveyor, Bucket Elevator,RBC.Fuel Pusher,Spreaders**
- 15. Auto Instrumentation for Boilers with PLC, Scada & DCS system.MCB etc**



 SATISH SUGAR LTD. 90 TPH at 72 Kg/cm2 TEMP - 510°C	 Combi Type Boiler	 4TPH Oil Fired Boiler	 Solid Fuel Boiler	 Solid Fuel Boiler	 MCB Panel	 Turbine
 VITTHAL SUGAR 70 TPH at 78 Kg/cm2 & S.H. Temp. upto 510°C	 WATER TUBE BOILERS	 4TPH Oil Fired Boiler	 Solid Fuel Boiler	 Solid Fuel Boiler	 70 TPH SWAS Panel	 70 TPH DCS Panel
 SADGURU SUGAR LTD. 70 TPH at 78 Kg/cm2 & S.H. Temp. upto 510°C	<b>About Our Company</b> SUPER STEAM BOILER ENGINEERS PVT. LTD. We are in the field of industrial Steam Boilers since 1980. Our company's leadership made steady progress in making Package boilers of large Water Tube boilers capacity upto 135 TPH. Our modified designs are running on Bagasse & Agrowaste fuels have high efficiency & low steam generation cost. We have supplied 450 boilers so far. Our High Pressure Boilers are working in Power generation plants with satisfactory results. We manufacture Water Tube Boilers capacity from 5 TPH to 135 TPH with Pressure from 21 Kg/cm2 to 100 Kg/cm2 & S.H. Temp. upto 540°C in plate. Dust Collector, Ash Handling, Plant Protection etc. accessories as per client requirements. We design boiler furnace come over Turpin membrane. Water wall type welded Furnels have no gas leakage. Large furnace volume for complete combustion of fuel & to supply weak steam demand as per process demand. We design Furnaces Grates per fuel use like Travelling or Pushing Grates suitable for Multistage fuel burning like Bagasse, Wood, Rice Husk, Palm Fiber, Coal etc. also keeping provision for Single firing arrangement to achieve low steam generation cost on gas. We provide Full Automation like DCS & PLC, Three Element Level Control Systems, Temp. Drafts, MCB Drive with VFD to achieve Combustion Control & all Safety of Boilers. We also supply Fuelbed bed combustion boilers (FBC/CFBC) with bed evaporator tube coils suitable for Coal, Rice Husk etc. & equipped 100 TPH oil fire boiler. We supply all Pressure parts like Super-Heater Coils, Economizer, Boiler Head Tubes, Headers, H.P. Heaters, Evaporator/Feed water tanks, HD/CHE, Blow down tanks etc. We supply 100 Water Collector, MCB Ash Handling system for Bagasse collection. We supply Retrievable/Retortary Soot-Blow valves, for on line soot clearing, Water level gauges, Primary & SS Secondary Drum Instruments, Soot Valves, Safety Valves, Mountings, Flanges, Steam Piping, Repair & Modification jobs etc.	<b>PACKAGE TYPE BOILERS</b> <b>PACKAGE &amp; COMBI BOILERS</b> <b>Unique Feature of Package Boilers.</b> Our Boilers designed & manufacture as per IBR/ASME Codes. Also to operate on all grade of fuels like DCE, Furnace Oil, Waste rice oil, Gas etc. also on fuel firing system like Coal/Wood/Agrowaste with high efficiency & low steam generation cost. Design of our Boiler have heat transfer in radiation chamber generously sized to improve high residence time, surface of furnace glass achieve maximum volumetric heat release rate & no loss of heat due to wet back reworking chamber, also tubes are designed to absorb maximum heat will improve fuel efficiency & saving in steam generation cost. Boilers are of fully welded class I construction, with 100% radiography of longitudinal and circumferential seams. Stress relieving after welding hydraulically tested as per the IBR codes. Provided with fully Auto/PLC Panels with all safety. Power Co-generation also possible in Combi boiler design by providing super heater independently to Co-Gen Power to reduce fuel cost. Our Boilers are Fully Automatic with Burner & Panel for safe operation & safety. Designed to give full load efficiencies as per IFCV of fuel use i.e. 80% ± 2% on Oil, 87% ± 2% on Gas and 70% ± 2% on Coal/Bagasse/Agrowaste. Our package boiler unit is easy in installation & have low maintenance cost. You think about our Super Steam High Efficiency Boilers.	 70 TPH Auto DCS System			
 Super Heater Panel Coil	 Steam Drum	 Gas Burner	 Oil Fire Boiler	 Solid Fuel Boiler		

### ✓ **OUR ACHIEVEMENTS**

- ✓ We have supplied boilers to Sugar/Distillery/Paper/Starch/Chemicals industries /Palm Oil Industry units having capacity from 1 TPH to 135 Tons/hr Pressure Range from 10 Kg/cm2 to 100 Kg/cm2 upto S.H.Temp. range 300°C to 525°C.
- ✓ Our 50 TPH boiler having Pressure 45 Kg/cm2 at S. H. temp. 500°C is working since last eight years without any problem by M/s. Vitthal Sugar Solapur., M.S., India and they Co-gen. power upto 7 MW, with fuel saving by 10% plus.
- ✓ Our one H.P. boiler working with M/s. Satish Sugar Ltd., Karnataka, India having capacity 90 TPH at Pressure 72 Kg/cm2 & SH Temp. 510°C having power Co-gen 15 MW, working since last Nine year with fuel saving above 8%
- ✓ Also our one more H.P. boiler working at M/s. Sadguru Sugar Ltd., M.S., India having capacity 70 TPH at Pressure 78 Kg/cm2 & SH Temp. 510°C five years with 12MW Power Co-gen on Multistage Turbine with fuel efficiency achieve 71% on Bagasse.
- ✓ Our products are tested at various stages by Director of Boilers also Lloyd's , Bureau Veritas, DNV-CL and also by various consultants under code IBR/ASME/BS Standard etc. We use all approved material as per specification given in IBR/ASME/BS codes. We conduct all tests like Destructive testing of materials including Physical & Chemical tests, Bend tests, Ultrasonic tests, Weld tests, Radiography, Stress Reliving & Hydraulic tests etc. Our welders are approved by IBR, Lloyd's & BV for X-ray welding by Electric-Arc/Tig/Mig process.
- ✓ We design boilers as per heat load design calculations gives maximum efficiency and capacity. All safety measures taken by us providing Mechanical, Electrical & Electronic instruments on DCS/PLC to run Boiler safely.



**PACKAGE OIL FIRE BOILER**



**PACKAGE SOLID & DUEL FUEL BOILERS**





# SUPER STEAM ESP FOR CLEAN GAS OUTLET



## SUPER STEAM BOILERS

Plot No. A-402, TTC Industrial Area MIDC Mahape, Navi Mumbai - 400 710 (India)  
Call : +91 22 41412121 / 27781445 | Fax : +91 22 4141 2122 / 27782747



## SUPER STEAM VALVES

### SOOT BLOW VALVES

Super Steam Boiler in field of Water Tube boiler manufacturing since 1990 & manufacture Soot blowers for boilers. Soot blower is a system for removing the soot that is deposited on the boiler tube in furnace gases flow during Combustion & require soot cleaning during running in furnace S.H., Bank Zone and Economiser as per valve range includes Retractable & Rotary type valves can be operate manual or in Motorized mode with Auto PLC controller etc, Soot Blower are designed specifically to clean soot off convection surfaces in Industrial boilers and Economizers, Clean boiler tubes externally during running required for optimum output and to increase efficiency

### RETRACTABLE & ROTARY SOOT BLOW VALVES

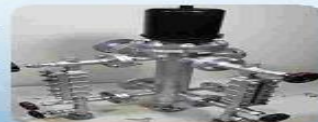


### MOBREY CONTROLLERS AND WATER LEVEL VALVES



Mobrey water Level Controller manufacture by us to use in Boilers, mainly in Package design to maintain water level of boiler giving on/off signal to feed pumps by magnetic level switches Also we provide high & low level switches for very high & very low signal provided for additional safety of boiler by giving signal & alarm Water Level Gauges manufacture by us in various design as per boiler type Pressure as below

- A) Tubular type for Package boiler Low pressure below 21 kg/cm<sup>2</sup>
- B) Reflex & Transparent type for low & high Pressure up to 110 kg/cm<sup>2</sup>



**SUPER STEAM BOILER ENGINEERS PVT. LTD.**



**BOLTED BONNET HAND WHEEL OPERATED (FLANGED)**



Design Std. : API600/BS1414  
 SIZE RANGE : 2" TO 24"  
 CLASS : 150 TO 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR,  
 A105,+STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.5  
 FACE TO FACE : ANSI B16.10

**BOLTED BONNET GEAR OPERATED (FLANGED)**



Design Std. : API600/BS1414  
 SIZE RANGE : 2" TO 24"  
 CLASS : 150 TO 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR,  
 A105,+STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.5  
 FACE TO FACE : ANSI B16.10

**BOLTED BONNET ELECTRIC ACTUATOR OPERATED (FLANGED)**



Design Std. : API600/BS1414  
 SIZE RANGE : 2" TO 24"  
 CLASS : 150 TO 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR,  
 A105,+STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.5  
 FACE TO FACE : ANSI B16.10

**BOLTED BONNET HAND WHEEL OPERATED (BUTTWELD)**



Design Std. : API600/BS1414  
 SIZE RANGE : 2" TO 24"  
 CLASS : 150 TO 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.25  
 FACE TO FACE : ANSI B16.10

**BOLTED BONNET GEAR OPERATED (BUTTWELD)**



Design Std. : API600/BS1414  
 SIZE RANGE : 2" TO 24"  
 CLASS : 150 TO 2500  
 BODY & BONNET : WCB,WCC,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.25  
 FACE TO FACE : ANSI B16.10

**BOLTED BONNET ELECTRIC ACTUATOR OPERATE ( BUTTWELD)**



Design Std. : API600/BS1414  
 SIZE RANGE : 2" TO 24"  
 CLASS : 150 TO 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.25  
 FACE TO FACE : ANSI B16.10

**PRESSURE SEAL HAND WHEEL OPERATED (FLANGED)**



Design Std. : ASME B16.34  
 SIZE RANGE : 2" TO 14"  
 CLASS : 900,1500, 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.5  
 FACE TO FACE : ANSI B16.10

**PRESSURE SEAL GEAR OPERATED (FLANGED)**



Design Std. : ASME B16.34  
 SIZE RANGE : 2" TO 14"  
 CLASS : 900,900,1500, 2500  
 BODY & BONNET : WCB,WCC,WCG,WCR,  
 C5,C 12,LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.5  
 FACE TO FACE : ANSI B16.10

**PRESSURE SEAL ELECTRIC ACTUATOR OPERATE (FLANGED)**



Design Std. : ASME B16.34  
 SIZE RANGE : 2" TO 14"  
 CLASS : 900,900,1500, 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.5  
 FACE TO FACE : ANSI B16.10

**PRESSURE SEAL HAND WHEEL OPERATED (BUTTWELD)**



Design Std. : ASME B16.34  
 SIZE RANGE : 2" TO 14"  
 CLASS : 900,1500, 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.10  
 FACE TO FACE : ANSI B16.10

**PRESSURE SEAL GEAR OPERATED (BUTTWELD)**




Design Std. : ASME B16.34  
 SIZE RANGE : 2" TO 14"  
 CLASS : 900,1500, 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,+  
 STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.25  
 FACE TO FACE : ANSI B16.10

**PRESSURE SEAL ELECTRIC ACTUATOR OPERATE (BUTTWELD)**




Design Std. : ASME B16.34  
 SIZE RANGE : 2" TO 14"  
 CLASS : 900,1500, 2500  
 BODY & BONNET : WCB,WCC,WCG,  
 WCR, C 5, C 12, LCB,  
 LCC,CFB,CF8M,  
 SEAT : A105+13%CR, A105,  
 +STEELITED 6H.  
 TRIM : API NO.1 TO 16  
 END CONN. : ANSI B16.25  
 FACE TO FACE : ANSI B16.10

**BOLTED BONNET GATE VALVE**



Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END : S/W ANSI B16.11  
 CONNECTION : BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**BOLTED BONNET GLOBE VALVE**




Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END : S/W ANSI B16.11  
 CONNECTION : BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**BOLTED COVER NON RETURN VALVE**




Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & COVER : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION : S/W ANSI B16.11 BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1

**WELDED GATE VALVE**




Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F22, F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION: S/W ANSI B16.11, BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**WELDED GLOBE VALVE**



Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F22, F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION: S/W ANSI B16.11, BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**WELDED NON RETURN VALVE**




Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION : S/W ANSI B16.11, BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1

**Y PATTERN GLOBE 800#**




Design Std. : API602  
 SIZE : 1/2" TO 2"  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END : S/W ANSI B16.11, BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**Y PATTERN GLOBE VALVE**



Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END : S/W ANSI B16.11, BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**Y PATTERN NON RETURN VALVE**



Design Std. : API602 / ASME B16.34  
 SIZE : 1/2" TO 2"  
 CLASS : 800 TO 4500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION : S/W ANSI B16.11, BUTT WELD ANSI B16.25, SCREW ENDS ANSI B1.20.1

**INTEGRAL FLANGED END GATE VALVE**



Design Std. : API602 / B55352  
 SIZE : 1/2" TO 2"  
 CLASS : 150 TO 1500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION: ANSI B 16.5  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**INTEGRAL FLANGED END GLOBE VALVE**



Design Std. : API602 / B55352  
 SIZE : 1/2" TO 2"  
 CLASS : 150 TO 1500  
 BODY & BONNET : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION: ANSI B 16.5  
 OPERATED : HAND WHEEL ELECTRIC ACTUATOR

**INTEGRAL FLANGED END NON RETURN VALVE**



Design Std. : API602 / B55352  
 SIZE : 1/2" TO 2"  
 CLASS : 150 TO 1500  
 BODY & COVER : A105, LF2, F11, F22, F304, F316, ETC.  
 MATERIALS : F304, F316, ETC.  
 FACE TO FACE : AS PER MFG STD  
 END CONNECTION: ANSI B 16.5

## LIST OF MAIN BOILER CLIENTS

1. M/s. Premier Industrial Chemical Mfg. Co. (Pvt.) Ltd. Doubai for Lahore, having capacity of Boiler 135 TPH, 87 Kg/cm<sup>2</sup> (g), 525°C ± 5°C Temp. FBC design with Gas fire for Distillery unit Export.
2. M/s. Satish Sugar Ltd., Karnataka State having capacity 90 TPH at 72 Kg/cm<sup>2</sup> Tangent membrane wall at 510°C with multifuel pinhole grate furnace with 15 MW power co-generation.
3. M/s. Trio-Chem Engineering & Projects Pvt. Ltd., Pune for M/s. Sri Sri Sadguru S.S.K. Ltd., Tal. Atpadi, Dist. Sangli) having capacity of Boiler 70 TPH at 87 Kg/cm<sup>2</sup> Tangent Membrane wall at 510°C on bagasse with Traveling Grate furnace & 12 MW Co-generation.
4. M/s. Gokak Power Ltd., Tal. Gokak, Dist. Belgaum, Karnataka State 60 TPH Capacity boiler (Bagasse/Agrowaste) with Dumping Grate furnace with 6 MW power co-generation.
5. M/s. Vithal Sugar, Dist. Solapur, 60 Ton/Hr. capacity Boiler at Design Pressure 45 Kg/cm<sup>2</sup>, at 500°C., Bagasse fired with Multi Fuel grate furnace with 7 MW power co-generation.
6. M/s. Reliable Sugar Pvt. Ltd..Radhanagari, Kolhapur Having capacity 55 TPH at Working Pressure 45 Kg/cm<sup>2</sup> tangent membrane wall & Temp. 500°C with dumping grate suitable for 7 MW Co-generation.
7. M/s. Bhairavnath Sugar Works Ltd., Tal. Paranda, Dist. Osmanabad, Boiler capacity 45 TPH at 32 Kg/cm<sup>2</sup> & Temp. 380°C with Dumping Grate Furnace with 3MW Power co-gen.
8. M/s. Athani Farmer Sugar Factory Ltd., Dist. Belgaum, Karnataka State 40 TPH Capacity Boiler at pressure 38 Kg/cm<sup>2</sup> & Temp. 410C, Bagasse fire with Dumping grate stocker with 2.5 MW power
9. M/s Dr. Babasaheb Ambedkar S. S. K. Ltd., Keshgaon, Tal. & Dist. Osmanabad for Capacity of 40 TPH Boiler – 45 Kg/cm<sup>2</sup> at S. H. Temp. 500°C Tangent membrane wall with Travelling grate.
10. M/s. Jath Sahakari Sakhar Karkhana Ltd., Tippehalli, Jath, Dist. Sangli. with using only existing drums capacity 38 TPH at 380°C membrane tangent wall type on pinhole grate.
11. M/s. Sahyadri Starch & Industries Ltd., Dist. Sangli Having capacity 32 TPH at Working pressure 45 Kg/cm<sup>2</sup> & Temperature 440°C with Travelling Grate for multifuel with 3 MW Co- generation.
12. M/s. Sahyadri Startch & Allied Industries Ltd, Miraj having capacity of Boiler 35 TPH – 45 Kg/cm<sup>2</sup> at 440°C with Dumping Grate furnace.
13. M/s. Micros Technochems Ltd., Ghaziabad having capacity of Boiler 35 TPH 32 Kg/cm<sup>2</sup> at 380°C.
14. M/s. Hutatma Kisan Ahir SSK Ltd., Tal. Walwa, Dist. Sangli, Boiler Capacity 45 TPH at 32 Kg/cm<sup>2</sup> & Temp. 360C. (Bagasse/Agrowaste) with Dumping Grate Furnace with 3.0 MW co-generation.
15. M/s Grainotch Ethonal Industries Ltd., Dist. Aurangabad for Capacity of 28 TPH Boiler, 45 Kg / cm<sup>2</sup> at Temp. 440°C membrane wall with Travelling grate furnace with 3 MW power Cogen
16. M/s. Sahyadri Starch & Industries Ltd., Tal. Miraj, Dist. Sangli Boiler Capacity 25 TPH at 67 Kg/cm<sup>2</sup> & Temp. 490 Cent. on Bagasse & coal with pulsating grate furnace & 3MW power co-generation.
17. M/s. . S.P. Sugar & Agro Pvt. Ltd., Osmanabad having capacity of boiler 25 TPH Working Pressure 45 Kg/cm<sup>2</sup> at 425°C with Dumping Grate with Power Cogen 2500kw
18. M/s. Kalyani Industries, Latur having capacity 22 TPH Water Tube Boiler at 45 Kg/cm<sup>2</sup> at Temp. 440°C with Pulsating Grate & 1.5 MW power co-generation.
19. M/s. Chaitali Distilleries Ltd., Ahmednagar, having capacity 22 TPH Boiler – 45 Kg/cm<sup>2</sup> at S. H. Temperature 440°C suitable for 1.5 MW power co-generation.
20. M/s. Daya Sugar, U.P. having capacity 22 TPH Boiler at 45 Kg/cm<sup>2</sup> at S. H. Temp. 440°C with Pinhole grate & 1.5 MW power co-generation.
21. M/s. Viraj Alcohol & Allied Industries Ltd. Tal. Shirala, Dist. Sangli, Boiler Capacity 20 TPH at 45 Kg / cm<sup>2</sup> & Temp. 440C. Tangent membrane wall Multifuel with Pulsating grate furnace & 2 MW Power co-generation.
22. M/s. Yashraj Ethenoll Processing Pvt. Ltd., Dist. Pune having capacity 18 TPH – 45 Kg/cm<sup>2</sup> at temperature 440°C with Traveling Grate Stocker with 1.5 MW power co-generation.
23. M/s. Vitthal Distilleries Ltd., Tal. Paranda, having capacity- 18 TPH – 45 Kg/cm<sup>2</sup> at S.H. Temp. 440°C, Travelling Grate Stocker with 1.5 MW power co-generation.
24. M/s. Renuka Sugar, Athani, Karnataka State having capacity of Boiler 130 TPH at Pressure 81 Kg/cm<sup>2</sup> & Temperature 500°C, Traveling Grate with 22 MW power co-generation. (Modified with exist. drum)
- 25 M/s Sagar Industries & Distillery Pvt. Ltd, Nasik 20 Ton/Hr. Capacity Boiler at working Pressure 45 KG/cm<sup>2</sup> & Temp. 440C Pinhole Grate furnace, 1.5 MW power
- 26 M/s Sagar Industries & Distillery Pvt. Ltd, Nasik 20 Ton/Hr. Capacity Boiler at Working Pressure 45 KG/cm<sup>2</sup> & Temp. 440C Pinhole Grate furnace & 1.5 MW power Co-generation.**
27. M/s. Govardhan Sugar Industries, Nandurbar having capacity 16 Ton/hr. at Design Pressure 24 Kg / cm<sup>2</sup> at S. H. Temp. 340C to suit 1 MW Co-generation with Pin hole Grate furnace.
28. M/s. Sahakar Shiromani Vasantrao Kale S. S. K. Ltd., Tal. Pandharpur, Dist. Solapur having Capacity



- 16 PH – 45 Kg/cm<sup>2</sup> at S. H. Temp. 440°C Dumping Grate with power co-gen 2.5MW.
29. M/s. Gokak Power, Distilleries & Sugars Ltd., Gokak 15 TPH Capacity At Design pressure 24 Kg/cm<sup>2</sup> at 36 0°C Bagasse with Pin hole grate furnace with 1.5 MW power co-generation for distillery unit.
25. M/s. Rena Sahakari Sakhar Karkhana Ltd. Dist. Latur having capacity 15 TPH – 45 Kg / cm<sup>2</sup> at S. H. Temp. 490°C with 1.5 MW Co-gen.
26. M/s. Karmayogi Shankarraoji Patil Sahakari Sakhar Karkhana Limited, Tal. Indapur, Pune having capacity 12 TPH – 45 Kg/cm<sup>2</sup> at 440°C with 1.5 MW Co-gen.
27. M/s. Vaibhav Sugar Industries Dist. Latur, having capacity of boiler 12 TPH – Working Pressure 32Kg / cm<sup>2</sup> at Temp. 400°C. (M/s. Viraj Canes & Energy Ltd., Sangli)
28. M/s. Sahyadri Starch Ltd., Sangli, Capacity – 12 TPH at 21 Kg/cm<sup>2</sup> multifuel with Pinhole Grate for bagasse firing.
29. M/s. Gokak Power, Distilleries & Sugars Ltd, Gokak 12.5 TPH Capacity Boiler at Design Pressure 24 kg/cm<sup>2</sup>. at 360°C Bagasse fire with Dumping Grate Furnace with 1.5 MW power co-generation for sugar unit.
30. M/s. Yashwant Sahakari Glucose Karkhana Ltd, having Capacity 12 Ton/hr at Design Pressure 21 Kg/cm<sup>2</sup> having provision of Super Heater for Co-Generation with Dumping grate & later confirmed Pin hole grate.
31. M/s. Tatyasaheb Kore Warana Shetkari Sakhar Karkhana Ltd, having capacity 12Ton/hr at Design Pressure 17.5 Kg/cm<sup>2</sup> for its distillery unit, with Oil / Gas Fired.
32. M/s. Vishwanath Sugar Ltd., Karnataka having capacity 12 TPH boiler at W.P. 24 Kg/cm<sup>2</sup> & Temp. 340°C on Pulsating Grate with 1 MW power co-generation.
33. M/s. Nicholas Piramal India Ltd., Thane, Boiler Capacity 12 TPH - 17.5 Kg/cm<sup>2</sup>, for Oil fired convert in agrowaste in pinhole grate type.
34. M/s. Shree Kurmdas Industries, Pune on A/c. of M/s. Roopamata Agrotech Pvt. Ltd., Osmanabad having Capacity of Boiler 12 TPH – 32 Kg/cm<sup>2</sup> at 380°C with Dumping Grate.
35. M/s. Shree Kurmdas Industries, Pune on A/c. of M/s. Shikshan Maharshi Dnyandev Mohekar Agro Industries Ltd., Osmanabad having Capacity of Boiler 12 TPH – 32 Kg/cm<sup>2</sup> 380°C with Dumping Grate.
36. M/s. Three M Paper Mills, Chiplun having Capacity 10 Ton/Hr. at Design Pressure 21 Kg/cm<sup>2</sup> External water wall type with pinhole grate.
37. M/s. Gadhinglaj Taluka S.S.K.Ltd, Kolhapur, 10 Ton/hr Capacity Boiler at Design Pressure 24 kg/cm<sup>2</sup>, at 340°C with Dumping grate on bagasse fired with 1.5 MW co-generation.
38. M/s. Gangamai Industries & Constructions Ltdanga., Aurangabad for Capacity 10 TPH Water Tube 45 Kg/cm<sup>2</sup> at 425°C Pinhole grate with 1.2 MW Co-gen.
39. M/s. Satish Sugar Ltd., Gokak, Karnataka State for 10 TPH Water Tube Boiler – 21 Kg/cm<sup>2</sup> Dumping grate on Bagasse fired.
40. M/s. Kisanveer S. S. K. Ltd., Dist. Satara having capacity 10 TPH – 45 Kg/cm<sup>2</sup> at 425°C. On Dumping Grate on bagasse fired.
41. M/s. Majalgaon S. S. K. Ltd., Tal. Majalgaon, Dist. Beed having capacity 10 TPH – 21 Kg/cm<sup>2</sup> at 340°C ± 15°C On Dumping Grate on bagasse fired.
42. M/s. Vaibhav Sugar Industries Dist. Latur, having capacity of boiler 10 TPH – Working Pressure 32Kg/cm<sup>2</sup> at Temp. 415°C.
43. M/s. Sahyadari Starch & Auxillary Industries Ltd, having Capacity 9 Ton/Hr. at Design Pressure 21 Kg / cm<sup>2</sup> working on Bagasse Pinhole Grate type.
44. M/s. Dnyaneshwar Vishwanath More Sakhar Karkhana Ltd., Tal. Pandharpur, Dist. Solapur. having capacity 8 TPH – 45 Kg/cm<sup>2</sup> at 440°C on Dumping grate on bagasse fired.
45. M/s. Micros M Technochems Pvt. Ltd., (M/s. Chatrapati Agro Ltd., Tal. Pandharpur, Dist. Solapur) Ghaziabad having capacity of Boiler 8 TPH – 32 Kg/cm<sup>2</sup> at 380°C ± 10°C on Pinhole grate on Bagasse fired.
46. M/s. Vaibhav Sugar Industries Latur, having capacity of boiler 8 TPH Working Pressure 32Kg/cm<sup>2</sup> at 380°C.
47. M/s. Precision Engineer, Kolhapur having capacity of boiler 8 TPH x 32 Kg/cm<sup>2</sup> at 380°C with Pulsating Grate.
48. M/s. Bharat Distillery Ltd, Nasik 8 Ton/Hr. Capacity Boiler at Design Pressure 21 Kg/cm<sup>2</sup> with Super Heating Temperature 320C Pinhole Grate and having Turbine for Co-Generation on 600KW.
49. /s. Anama Energies Pvt. Ltd., Pune-Satara Road, Pune – 411037 for Capacity of 8 TPH Water Tube Boiler – 24 Kg/cm<sup>2</sup> on Pulsating Grate.
50. M/s. Vaibhav Gul Industries, Latur having capacity 8 TPH Water Tube Boiler at 32 Kg/cm<sup>2</sup> at S. H. Temp. 380°C on Pinhole Grate with 500 KW power co-generation.
51. M/s. Gaurav Dyeing & Printing Mills, Mumbai having capacity 6 TPH at 21 Kg/cm<sup>2</sup> with Pinhole grate for multifuel.
56. M/s. Siddharth Core Board Pvt. Ltd., Kolhapur 7.5 TPH Capacity Boiler at working Pressure 24 Kg/cm<sup>2</sup>, on Bagasse Fired.
57. M/s. Kalbhairav Sugarcane Process Pvt.Ltd, having capacity 6 Ton/hr Water Tube Boiler at Pressure 17.5 Kg/cm<sup>2</sup> at Temperature 260C with Pinhole Grate 0.5MW Co-Generation on Bagasse Fired.
58. M/s. Warana Sahakari Dudh Utpadak Prakriya Sangh Ltd. Kolhapur 5TPH capacity Boiler at working pressure 24

- kg/cm<sup>2</sup> on Bagasse Fired.
59. M/s. Govardhan Petrochemical, Dhule 6 Ton/hr capacity at Design pressure 11 kg/cm<sup>2</sup> Pinhole grate on agrowaste.
  60. M/s. Gatha Enterprises, Pune for 6 TPH Water Tube Boiler – 21 Kg/cm<sup>2</sup> on multifuel Pinhole Grate for 0.5 MW Cogen.
  61. M/s. Spectrum Ethers Ltd., Nashik having capacity 7.5 TPH – 15 Kg/cm<sup>2</sup> with pinhole grate on Bagasse fired.
  62. M/s. Baramati Agro Industries Ltd., Tal. Baramati, Dist. Pune, having capacity of 4 TPH Composite Boiler – Working Pressure 10.54 Kg/cm<sup>2</sup> on dumping grate on bagasse fired.
  63. M/s. Baramati Agro Industries Ltd., Andhra Pradesh, having capacity of 4 TPH Composite Boiler – Working Pressure 10.54 Kg/cm<sup>2</sup> on pinhole grate for Agrowaste.
  64. M/s Vaibhav Sugar Industries Latur, having capacity of boiler 6 TPH Working Pressure 32Kg/cm<sup>2</sup> at 380°C.
  65. M/s. Jain Farm Fresh Foods Ltd., Project for Udumalpet Site, Chittoor Plant, Andhra Pradesh having capacity of boiler 6 TPH – 17.5 Kg/cm<sup>2</sup>.

## **II. SUPPLIED PACKAGED TYPE BOILERS (OIL/WOOD/COAL)**

1. The Pharmaceutical Corporation Kerala Ltd., Kerala having capacity of boiler 8 TPH – Working Pressure - 10.54 Kg / cm<sup>2</sup> Wood fired.
2. M/s. Jaipur Zila Dugdh Utpadak Sahakari Sangh Ltd., Jaipur having capacity of boiler 8 TPH Working Pressure – 17.5 Kg/cm<sup>2</sup> Oil Fired Boiler.
3. M/s. Johnson Matthey Chemicals India Pvt. Ltd. Taloja, Dist. Raigad having capacity of boiler 3 TPH – Working Pressure 10.54 Kg/cm<sup>2</sup>.
4. M/s. Ordnance Factory, Bhandara, Nagpur having capacity of Boiler 4 TPH – 10.54 Kg/cm<sup>2</sup> Oil Fired Boiler
5. M/s. Naik Oceanic Export Pvt. Ltd., Taloja MIDC, Mumbai having capacity of boiler 3 Ton - Working Pressure 10.54 Kg/cm<sup>2</sup> (Solid Fuel fired).
6. M/s. Shree Balaji Industries, Palghar, Dist. Thane having capacity of Boiler 3 Ton – pressure 15 Kg/cm<sup>2</sup> packaged Boiler (Solid Fuel fired)
7. M/s. Western Coal Fields Limited, Nagpur having capacity of boiler 2 TPH – Working Pressure 10.75 Kg/cm<sup>2</sup> Coal Fired Smoke Tube Boiler.
8. M/s. Gaurav Dyeing & Printing Mills Pvt. Ltd. , Kopar Khairne, Navi Mumbai, Steam Generator having capacity 2 TPH – 10.54 Kg/cm<sup>2</sup>.
9. National Dairy Development Board, project for Kaldera, Jaipur having capacity of Boiler – 1 TPH Working pressure – 10.54 Kg/cm<sup>2</sup> x 2 Nos. Boilers for Cattle feed plant.
10. National Dairy Development Board, project for Khurda, Odisha, having capacity of Boiler – 1TPH Working pressure – 10.54 Kg/cm<sup>2</sup> x 2 Nos. Boilers for Cattle feed plant.
11. M/s. Nagercoil Dairy of Kanyakumari Dcmptu Ltd, Tamilnadu having capacity of boiler 1 TPH Oil Fired Boiler.
12. M/s. Asian Heart Institute, Bandra having capacity of boiler 600 Kg/hr. – 10.54 Kg/cm<sup>2</sup> pressure Gas fired Boiler.
13. M/s. Balmer Lawrie & Co. Ltd., Chennai having capacity of boiler 850 Kg/hr. Working pressure 10.54 Kg/cm<sup>2</sup> Oil fired boiler.
14. M/s. Uttarakhand Khadi & Gramodyog Board, Almora, Uttarakhand having capacity of Boiler 200 Kg/hr. – 6 Kg/cm<sup>2</sup> Coal/Wood Fired Boiler.
15. M/s. Poseidon Engineering Consultants, Mumbai having capacity of Boiler 1 TPH – 10.54 Kg/cm<sup>2</sup> Oil Fired boiler.
16. M/s. Royal Taste Farm Products Pvt. Ltd., Andheri, Mumbai having capacity of boiler 1 TPH – Working Pressure 10.54 Kg/cm<sup>2</sup> (Solid Fuel fired)
17. M/s. Tyre Grip Pvt. Ltd., Navi Mumbai having capacity of Boiler 1.5 TPH – Working pressure 10.54 Kg/cm<sup>2</sup> (Solid Fuel Briquette Fired).
18. M/s. Govardhan Petro Chemicals, Nandurbar having Capacity 4000 Kg/hr – 21 Kg/cm<sup>2</sup> on Agrowaste.
19. M/s. Ruby Textile, Thane having capacity 3000 Kg/hr. – 10.54 Kg/cm<sup>2</sup> on fuel Coal/Wood.
20. M/s. Imtiyaz Sizers, Narpoli, Bhiwandi having capacity 3000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired.
21. M/s. Sagar Textile, Thane having Capacity 3000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired.
22. M/s. Huma Sizers, Thane having capacity 3000 Kg/hr. – 10.54 Kg/cm<sup>2</sup> Coal Fired
23. M/s. Mahesh Textile, Thane having capacity 3000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired.
24. M/s. Sana Sizing, Bhiwandi having capacity 3000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Oil Fired.
25. M/s. Al-Farhan Sizers, Karoli Road, Bhiwandi having capacity 2000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Oil Fired.
26. M/s. Kishore Sizers, Devji Nagar, Bhiwandi having capacity 2000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Oil Fired.
27. M/s. Golden Sizing, Narpoli, Bhiwandi, having capacity 2000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired.
28. M/s. Dedhia Sizing, Agra Road, Bhiwandi having capacity 2000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired
29. M/s. Bismillah Sizing, Karoli Road, Bhiwandi having capacity 2000 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired
30. M/s. Ambernath Gupta & Co. having capacity 3000 Kg/hr. – 10.54 Kg/cm<sup>2</sup> Oil Fired.
31. M/s. Jaya Bhain, Ajana Compound, Bhiwandi having capacity 2500 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired.



32. M/s. Wafa Sizers, Bhiwandi having capacity 2500 Kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired.
33. M/s. Rungta Sizers, Bhiwandi, having capacity 2500 Kg/hr. – 10.54 Kg/cm<sup>2</sup> Coal Fired.
34. M/s. Alankar Sizers, Bhiwandi having capacity 2500 Kg/hr. – 10.54 Kg/cm<sup>2</sup> Coal Fired.
35. M/s. Khemasati Sizing, Bhiwandi having 750 kg/hr – 10.54 Kg/cm<sup>2</sup> Steam Generator.
36. M/s. Rathii Dye Chem Ltd, Roha having capacity 3000 kg/hr – 10.54 Kg/cm<sup>2</sup> Coal Fired
37. M/s. Ratnakar Canning Industries, Ratnagiri having capacity 2500 kg/hr – 10.54 Kg/cm<sup>2</sup> Oil fired.
38. M/s. Sai Deep Industries, Ahmednagar having capacity 2 TPH – 10.54 Kg/cm<sup>2</sup> multifuel Solid fuel three pass packaged Boiler.
39. M/s. Al Zahid Co. Saudi Arabia, Boiler Capacity 5 TPH at 32 Kg/cm<sup>2</sup>, on Gas/ Oil Fired.
40. M/s. Parchi Poly Products Ltd., Navi Mumbai Boiler Capacity 6 TPH at 45 Kg/cm<sup>2</sup>, on Coal Fired FBC 0.5 MW co-generation.
41. M/s. Municipal Power Laundry, Mumbai for Capacity 4 TPH – 10.54 Kg/cm<sup>2</sup> on Oil fired.
42. M/s. New Rakhi Kath Factory, Chiplun for Capacity 3 TPH – 10.54 Kg/cm<sup>2</sup> on multifuel
43. M/s. Devalekar Khata Factory, Ratnagiri for Capacity 2 TPH – 10.54 Kg/cm<sup>2</sup> on multifuel
44. M/s. Kedarnath Khata Factory, Chiplun for Capacity 2 TPH – 10.54 Kg/cm<sup>2</sup> on multifuel .
45. M/s. Poonam Processors Pvt. Ltd. Gujarat for Capacity 2 TPH – 10.54 Kg/cm<sup>2</sup> on multifuel

### III MODIFIED FOR WATER TUBE BOILER (FUEL – ( Agrowaste/Coal/Oil/Gas / Multifuel)

46. M/s. Bhairavnath Sugar Works Ltd., Tal. Paranda, Dist. Osmanabad increase capacity 45 TPH To 55 TPH Modification & up-gradation of Boiler.
47. Rajarambapu Patil S. S.K. Ltd., Tippehalli, Tal. Jath, Dist. Snagli increase capacity 32 TPH To 38 TPH Modification & up-gradation of Boiler.
48. M/s. Mahankali S. S. K. Ltd., Dist. Sangli Increase Capacity 20 TPH to 35 TPH total modification with Dumping grate – 2 Boilers.
49. M/s. Majalgaon S. S. K. Ltd., Dist. Beed, Capacity 20 TPH to 30 TPH by increasing pressure part with Existing dumping grate.
50. M/s. Rajgad S. S. K. Ltd., Dist. Pune, Capacity 40 TPH to 47 TPH by increasing pressure part with Existing dumping grate.
51. M/s. Shre Halasidhanath Sahakari Sakhar Karkhana Ltd., Tal. Chikodi, Dist. Belgaum, Karnataka State increase capacity of 20 TPH To 32 TPH, Total boiler modification on dumping grate furnace
52. M/s. Bhima Sahakari Sakhar Karkhana Ltd., Patas – 412 219, Tal. Daund, Dist. Pune Total modification to increase capacity of 40 TPH To 50 TPH & S.H. Temperature from 425°C to 490°C for 12 MW Co-gen. on dumping grate – 2 Boilers.
53. M/s. Manganga Sahakari Sakhar Karkhana Ltd., Sonarsidhanagar, Atpadi – 415 301, Tal. Atpadi, Dist. Sangli increase capacity of 20 TPH To 30 TPH with total modification of boiler on dumping grate.
54. M/s. Ajinkyatara Sahakari Sakhar Karkhana Ltd, Satara Increase capacity 20 TPH to 28 TPH at Super Heater Temp. 360°C on Dumping Grate.
55. M/s. Ajinkyatara Sahakari Sakhar Karkhana Ltd, Satara Increase capacity 20 TPH to 28 TPH at Super Heater Temp. 360°C on Dumping Grate
56. M/s. Chalthan K.U.S.M.Ltd, Surat Increase capacity 20 TPH to 24 TPH on pressure part modification with dumping grate furnace.
57. M/s. Chalthan K.U.S.M.Ltd, Surat Increase capacity 25 TPH to 33 TPH total modification at S. H. Temp. 300°C To 360°C on Dumping Grate furnace.
58. M/s. Malegaon SSK Ltd, Pune Increase capacity 35 TPH to 40 TPH on dumping Grate furnace.
59. M/s. Malegaon Sahakari Sakhar Karkhana Ltd, Pune Increase capacity 22 TPH to 25 TPH by pressure part modification on dumping grate.
60. M/s. Ganesh Khand U.S.M.Ltd, Bharuch Increase capacity 20 TPH to 28 TPH – 2 Nos. Boilers On Dumping Grate.
61. M/s. Indapur S.S.K.Ltd., Dist: Pune. Increase capacity 18 TPH to 26 TPH modification with Dumping Grate
62. M/s. Tatyasaheb Kore Warana S.S.K.Ltd, Increase capacity 40 TPH to 52 TPH at SH Temp. 360°C on Dumping Grate./s. Ghatapbraha S.S.K. Niyamit, Gokak Increase capacity – 20 TPH to 35 TPH total modification at S. H. Temp. 360°C on Pinhole Grate on bagasse fired.
63. M/s. Bajaj Hindustan Ltd, UP Increase capacity – 25 TPH to 32 TPH by modification of pressure parts on existing horse shoe design.
64. M/s. D.M.C. Ltd. Increase boiler capacity 20 TPH to 32 TPH total modification W.P. 45 Kg/cm<sup>2</sup> at Temp. 425°C on Pinhole grate & gas fired.
65. M/s. Krishna S.S.K. Ltd. Karad Increase capacity 25 TPH to 30 TPH (2 Nos. Boiler) W.P. 21 Kg/cm<sup>2</sup> at 360°C on Dumping Grate
66. M/s. Bhogwati S. S. K. Ltd., Kolhapur capacity 4 TPH to 6 TPH Fixed Grate.
67. M/s. Sahyadri S. S. K. Ltd. Miraj, Capacity 4 TPH to 6 TPH on Fixed Grate.

### **III. WASTE HEAT TYPE BOILER & PRESSURE PARTS FOR SULPHIC ACID/FERTILIZER PROJECTS (NEW BOILER)**

1. 15000 Kg/hr at 42 Kg/cm<sup>2</sup> Waste Heat Boiler for M/s. Ganges Fertilizers & Chemicals Faridabad through M/s. D.M.C. Ltd, (Project Div.)
2. 8000 Kg/hr at 21 Kg/cm<sup>2</sup> Waste Heat Boiler for M/s. Nirma Ltd, Gujarat.
3. 6000 Kg/hr at 21 Kg/cm<sup>2</sup> Waste Heat Boiler for M/s. D.M.K Ltd, Raipur, M.P.
4. 16000 Kg/hr at 42 Kg/cm<sup>2</sup> Waste Heat Boiler for M/s. DMC Ltd, Ambarnath. 8000 TPH at 32 Kg/cm<sup>2</sup> Waste Heat Boiler for M/s. Natraj Organic Muzzafarpur, U.P.

### **IV. EXPORT SUPPLY**

1. M/s. Kalungwishi Estate Ltd., Zambia for 8 TPH Capacity Boiler at 32 Kg/cm<sup>2</sup> at 380°C on Bagasse fired on dumping grate.
2. M/s. Sugar Corporation of Uganda, Uganda for 30 TPH Capacity Boiler at 32 Kg/cm<sup>2</sup> S. H. Temp. 380°C on Horse shoe furnace with furnace modification.
3. M/s. Gatha Enterprises, for Ghana (Africa) for 6 TPH capacity Boiler at 21 Kg/cm<sup>2</sup> on multifuel.
4. M/s. Marshall Fowler (T) Ltd., Tanzania for 1.5 TPH Capacity Boiler at 10.54 Kg/cm<sup>2</sup>, on Oil fired.
5. 2 Nos. Boilers One Oil Fired of 2 Ton/hr at 17.5 Kg/cm<sup>2</sup> and one Gas Fired Boiler of 1 Ton/hr capacity at 17.5 Kg/cm<sup>2</sup> to Dubai.
6. M/s. Emirates Power Co. Ltd., Bangladesh for 1.5 TPH Boiler – 10.54 Kg/cm<sup>2</sup> on Oil fired.
7. M/s. Gatha Enterprises, for Finland for 2 TPH capacity Boiler at 10.54 Kg/cm<sup>2</sup>. (Packaged Type)
8. M/s. LLT Generator Co. (Distillery Unit) Philippines, 40 TPH Capacity of Boiler at Working Pressure 45 Kg/cm<sup>2</sup>, S. H. Temp. – 440°C with 3 MW power co-generation.
9. M/s. Gatha Enterprises, for Export - Malaysia for 2 TPH capacity of Boiler at working pressure 12 Kg/cm<sup>2</sup> packaged boiler (Oil Cum Solid Fuel, Dual Fuel)
10. M/s. Gatha Enterprises, for Export - Camroon for 3 TPH capacity of Boiler at working pressure 10.54 Kg/cm<sup>2</sup> packaged boiler (Solid Fuel)
- 11 M/s. Persus Palms Engineering (M) SDN. BHD. for Export – Malaysia for 3 TPH capacity of Boiler at working pressure 10.54 Kg/cm<sup>2</sup> packaged boiler on Multifuel/Agrowaste/Briquette fired.
12. M/s. Gatha Enterprises, for Export - Malaysia for Vacuum Drier.
13. M/s. Bangladesh Sugar & Food Industries Corporation, Bangladesh (M/s. Vision Exim Pvt. Ltd.) having capacity of Boiler 40 TPH – 45 Kg/cm<sup>2</sup> at 440°C with Pulsating Grate with 3MW power co-generation.
14. M/s. Modern Distillery, Uganda (M/s. Saisidha Sugar Equipment Pvt. Ltd.) for 12 TPH capacity of Boiler at working pressure 45 Kg/cm<sup>2</sup> & Temp. 440°C with Dumping Grate.
15. M/s. G.M. Sugar, Uganda (M/s. Saisidha Sugar Equipment Pvt. Ltd.) for 60 TPH capacity of Boiler at working pressure 45 Kg/cm<sup>2</sup> & Temp. 440°C with Dumping Grate Furnace
16. M/s. BSIFC, Bangladesh (M/s. Saisidha Sugar Equipment Pvt. Ltd.) having capacity of Boiler 40 TPH - 45 Kg/cm<sup>2</sup> at 440°C with Travelling Grate furnace suitable for 3MW Co-gen
17. M/s. Bajaber Millers Ltd., on A/c. of Crown Commodities Ltd., Kampala, Uganda having capacity of Boiler 8 TPH – 15 Kg/cm<sup>2</sup> with Pulsating Grate.
18. M/s. Bajaber Millers Ltd., on A/c. of Crown Commodities Ltd., Kampala, Uganda having capacity of Boiler 2 TPH – 10.54 Kg/cm<sup>2</sup> Packaged Boiler.
19. M/s. Premier Industrial Chemical Mfg. Pvt. Ltd. Lahore Pak capacity of FBC Boiler 135 TPH, 87 Kg/cm<sup>2</sup> (g), 525°C±5

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