



## **COMPANY PROFILE**

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## INTRODUCTION

- ❖ Established 1972, over 50 years experience.
- ❖ Employee strength 250+
- ❖ Central India's largest manufacturer of Boiler Pressure parts.
- ❖ 25+ ASME & IBR certified welders (GTAW/GMAW/SAW/SMAW)
- ❖ An ISO 9001:2015, 14001:2015 and 45001:2018 certified company.

## COMPANY POLICY

### VALUES

- ❖ Treat all individuals with utmost respect and dignity.
- ❖ Attach high value to truthfulness, transparency and integrity.
- ❖ Build an organization based on trust & team work.
- ❖ Continually improve Environment, Health & Safety.

### PRINCIPLES

- ❖ To be a Customer focused organization.
- ❖ Follow the principles of LEAN as a way of life.
- ❖ Achieve prosperity through participative form of Management.
- ❖ Realize organizational growth by developing people.
- ❖ To be flexible and responsive.

## APPROVALS

- ❖ Recognized by IBR for Boiler Pressure Parts
- ❖ Enlisted with EIL and Tata Projects for Prefabricated Piping Spools
- ❖ Enlisted with NTPC Ltd. for Bends and Boiler Pressure Parts

## OUR PRODUCTS

### BOILER PRESSURE PARTS

- ❖ Coils
- ❖ Riser bends
- ❖ Tube bends
- ❖ Headers

### STRUCTURAL FABRICATION

- ❖ Piping support
- ❖ Trunnion support



### PREFABRICATED PIPING SPOOLS

- ❖ Turbine Integral Piping
- ❖ Steam generator piping
- ❖ CRH & HRH piping
- ❖ Drain & Vent piping
- ❖ Turbine & Boiler auxiliary piping
- ❖ Process plant piping
- ❖ Balance of plant piping
- ❖ Cooling water & Lube oil piping
- ❖ Other HP & LP piping

**GENERAL INFORMATION**

Name of the Company	:	<b>BEND JOINTS PVT. LTD.</b>
Registered Office and Factory Address	:	42-43/A, Industrial Area, Govindpura Bhopal – 462023 (INDIA) (Unit -I)  34/H –Industrial Area Govindpura Bhopal – 462023 (INDIA) (Unit –II)
Telephone Numbers	Office :	+91 755 258 6370, 258 6878
	Fax :	+91 755 258 6246
	E-mail :	shk@bendjoints.com,
	Website :	www.bendjoints.com
Contact Persons	:	Mr. Shirish Kanitkar (Sr. Manager- Sales & Marketing) Mobile: +91 9302386878 E-mail: shk@bendjoints.com
Year of commencement of manufacturing:		1972
Nature of company	:	Private Limited
Registrar of companies, Registration No.:		U28112 MP 2004 PTC 016366 Dtd 30-Jan 04
Entrepreneurs Memorandum No.	:	230321200129
N.S.I.C. registration No.	:	NSIC/GP/BHO/2014/0009938
MSME	:	MP10B0001881
UDYAM	:	UDYAM-MP-10-0001567
GST No.	:	23AACCB4266E1Z3
Import-Export Code No.	:	1108002544
RCMC No.	:	MPC/102/2018-19
Income Tax Permanent A/c No.(PAN)	:	AACCB4266E

## INFRASTRUCTURE

### Annual manufacturing capacity (Tons)

❖ Piping	3500 Tons
❖ Coils	2000 Tons
❖ Others	500 Tons
<b>TOTAL</b>	<b>6000 Tons</b>

### Land, Factory & Floor area

Total Land Area : 10544 sq. mtrs (Unit-I - 4282 sq.mtrs)  
(Unit-II- 6262 sq.mtrs)

Total Floor Area & Area under crane : 7480 sq. mtrs (Unit-I - 3282 sq. mtrs)  
(Unit-II - 4198 sq. mtrs)

In house : Non Destructive Testing (RT/UT/DP/MPI)  
: Order Execution Management System (ERP)

Connected Load (H.T.) : 100 kVA (Unit-I)  
100 kVA (Unit-II)

Tube Bending Capacity (Cold) : Diameter – 65 &100 NB  
Thickness – 13 mm thk  
Radius – 1D

Lifting Capacity : 25 Tons  
60 Tons (with hired mobile cranes)  
8.2 Metres (Height below hook)

## OUR ACHIEVEMENTS

Over a period of four decades Bend Joints has executed several prestigious contracts which include the following:

### **BOILER PRESSURE PARTS**

<b>Description</b>	<b>Project</b>	<b>Customer</b>
<b>Economiser coils &amp; Headers</b>	2x250MW Budge Budge Generating Station	CESC Limited
<b>Reheater Coils</b>	200MW Stage –I Singrauli TPS	NTPC Limited
<b>Spare Bends</b>	660MW Sipat TPS	
<b>Re-heater coils (Horizontal and Pendant)</b>	-	Mashariyah Kazah Trading, Oman
<b>Super heater headers and Bends</b>	4 x 50 MW Russian make boilers of CSPGCL Korba East TPS.	Chhattisgarh State Power Generation Company Limited (CSPGCL)
<b>Economiser, Reheater coils and bends</b>	210 MW of CSPGCL Korba	
<b>Economiser coils</b>	500MW NTPC Sipat	GE Power India Limited
<b>Economiser coils and Pendant Superheater coils</b>	Naya Nangal, Punjab.	National Fertilizers Limited (NFL)
<b>Economiser, Evaporator, Reheater and Superheater coils &amp; headers</b>	Various Cement Plants	Thyssenkrupp Industries India Limited
<b>Economiser, Evaporator, Reheater and Superheater coils &amp; headers</b>	Various plants	Thermax Babcock & Wilcox Energy Solutions Pvt. Ltd.

- ❖ Economiser, Superheaters & Reheaters coils, headers & spare bends for various state owned power generating companies and Independent Power Producers (IPP's).

**PREFABRICATED PIPING SPOOLS**

<b>Description</b>	<b>Project</b>	<b>Customer</b>
<b>Piping Spools</b>	HPCL VIZAG II Project	Baker Hughes
	Various Projects NTPC and Non NTPC Projects	BHEL PC Center
<b>BOP piping</b>	ACC Limited, Ametha Cement Works, Ametha Madhya Pradesh	Siemens Limited
	NCL Industries Limited (Nagarjuna Cement), Telangana,	Thyssenkrupp Industries India Limited
	Zuari Cement Limited (ZCL), Yerraguntla Plant, Andhra Pradesh	
	Satguru Cement Private Limited, Madhya Pradesh	
<b>Main Steam Piping (P91)</b>		
<b>Piping Spools for Gasoline-Hydrogen Treatment Unit</b>	Mahul Refinery	Bharat Petroleum Corporation Limited
<b>Turbine Integral Piping</b>	Various Projects upto 800 MW for NTPC and Non NTPC Projects	BHEL Haridwar
<b>Turbine Auxiliary Piping, MSR Piping, CRH Piping</b>	Kakrapar Atomic Power Project (KAPP), Kakrapar, Gujarat	Nuclear Power Corporation of India Limited
	Rajasthan Atomic Power Project (RAPP), Rawatbhata, Rajasthan	
	Kaiga Nuclear Power Project	
<b>Drain, Vent and Auxiliary Piping</b>	2 x 660 MW Solapur STPS	BGR Energy
	2 x 660MW Meja STPS	
<b>Supply of Piping and Fittings</b>	3 X 500 MW NTPC Ramagundam TPS	GE Power India Limited Formerly (Alstom)
<b>Super Critical Piping</b>	2x800 MW Sri Damodaram Sanjeevaiah TPS	
	2X660 MW Bara TPS	



i) **Largest single order handled** : Supply basis : Rs.958 Lacs  
 Labor basis : Rs.199 Lacs

ii) **Economizer Coils**

Largest size made : 16 mtr long \* 2 mtr wide  
 Shortest radius bend : 38.1 mm O/D x 3.6 Thk. x 38 mm radius  
 Maximum working temperature : 371°C  
 Maximum working pressure : 181.2 kg/cm<sup>2</sup>  
 Maximum Hyd. test pressure : 271 kg/cm<sup>2</sup>  
 Material : SA210 Gr. A1

iii) **Superheater Coils**

Largest size made : 11.5 mtr \* 2 mtr wide  
 Shortest radius bend : 38.0 mm O/D x 4.5 Thk. X 45 mm radius  
 Maximum working temperature : 554°C  
 Maximum working pressure : 118 kg/cm<sup>2</sup>  
 Maximum Hyd.test pressure : 177 kg/cm<sup>2</sup>  
 Material : SA213 T12, T22 & T91

iv) **Reheater Coils**

Largest size made : 12 mtr \* 2 mtr wide  
 Shortest radius bend : 63.5 mm O/D x 5.9 Thk. X 41.25 mm radius  
 Maximum working temperature : 600°C  
 Maximum working pressure : 33.5 kg/cm<sup>2</sup>  
 Maximum Hyd. test pressure : 50.25 kg/cm<sup>2</sup>  
 Material : SA213 TP347H, SA 213 T22

v) **Water Wall Bends**

Largest size made : 3.0 mtr \* 2.2 mtr wide  
 Shortest radius bend : 63.0 mm O/D x 5.6 Thk. X 200 mm radius  
 Maximum working temperature : 353°C  
 Maximum working pressure : 125 kg/cm<sup>2</sup>  
 Maximum Hyd. test pressure : 187 kg/cm<sup>2</sup>  
 Material : SA 210 Gr. A1

**vi) Piping & Headers**

Highest thickness welded	:	68mm (210 MW Power Boiler Headers, MPEB Birsinghpur) (Material 21/4 Cr, 1 Mo)
Largest seamless pipe used	:	610 mm O/D
Longest spool manufactured	:	19.0 mtr.
Heaviest pipe spool handled	:	8.0 Tons (250 MW Power Boiler Headers, CESC Budge Budge)
Maximum diameter in bending	:	400 NB x 22 tk. X 2.65 D (SAIL, Bokaro)
Maximum Thickness in bending	:	64 thk (400 NB Pipe, For ThyssenKrupp,Pune)
Maximum working pressure	:	184 kg/cm <sup>2</sup> (250 MW Power Boiler Headers, CESC Budge Budge)
Maximum working temp.	:	540°C (Russian Boiler at MPEB, Korba East)
Maximum Hyd. test pressure	:	269 kg/cm <sup>2</sup> (Platen super heater header for 210 MW Korba West)

**vi) Pressure Vessels**

Maximum Thickness welded	:	110mm (Hemispherical Head for Water box of H.P.Heater for BHEL)
Maximum thickness rolled	:	50 mm x 2500 mm wide (Spiral Casing for BHEL) 40 mm x 2500 mm wide (Pressure vessels for Grasim Industries)
Maximum diameter rolled	:	7.0 mtr. (Spiral Casing for BHEL)
Largest pressure vessels made	:	Moisture Separator Reheater for BHEL, KAPP Project
Diameter	:	4.0 mtr.
Length	:	13.6 mtr.
Weight	:	58 tons

## MANUFACTURING FACILITIES

### Bending Machines

- Four CNC tube bending machines  
(capacity up to 100NB x 13mm thk)

### Welding Machines

- 40+ for GTAW, SAW, GMAW & SMAW
- Orbital welding machine GTAW

### Welding Accessories

- Induction heating machines
- Electronic & mechanical oscillators
- Rotators & Manipulators
- Column & Boom

### Cutting Machines

- Bandsaw machines up to 800mm dia

- Orbital oxy-fuel cutting machines
- Plasma cutting machines

### Machining

- Pipe bevelling machines
- Tube bevelling machines
- Radial drilling machines
- Lathe machines

### Other Facilities

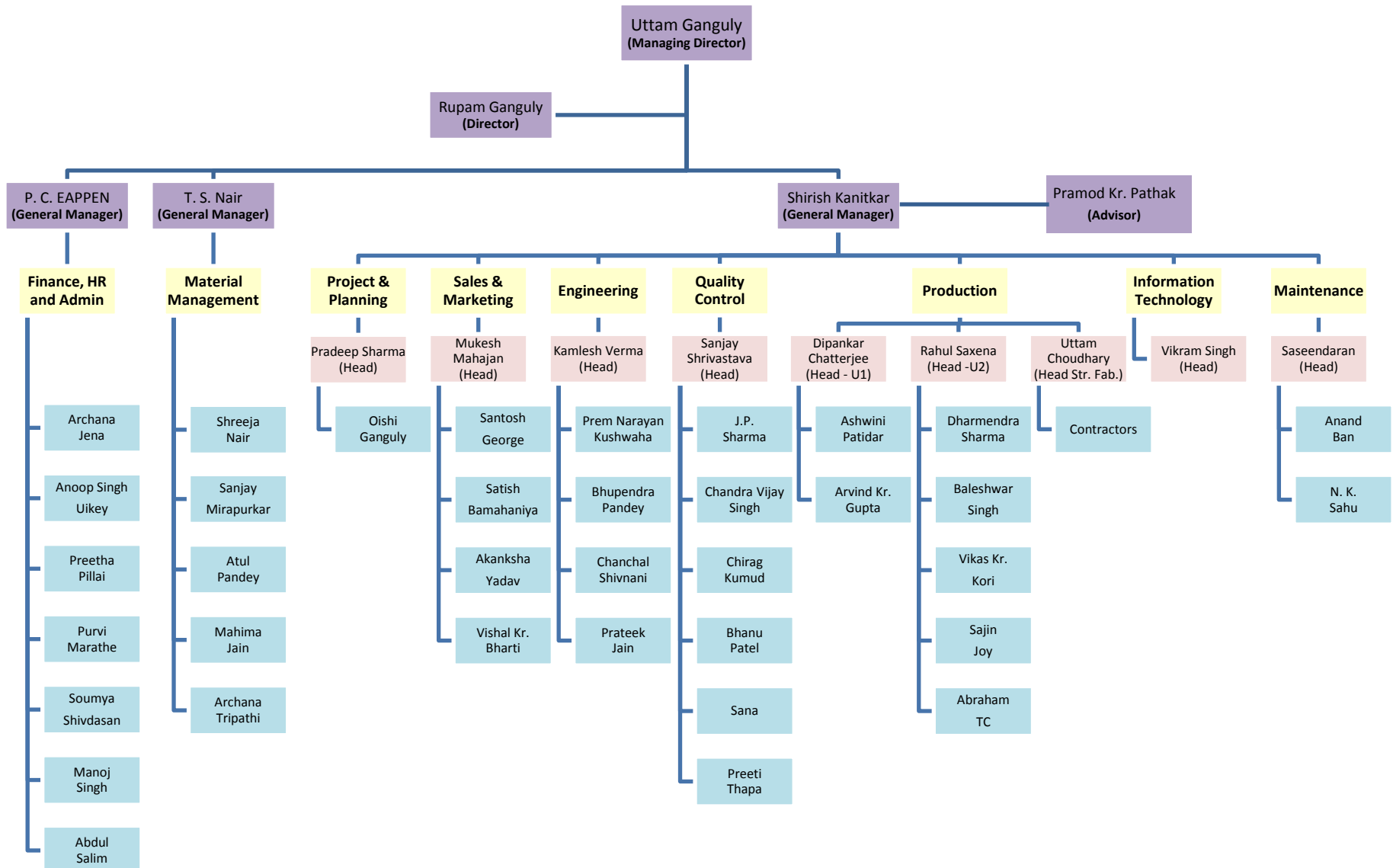
- Continuous pipe shot blasting unit
- Pinstamp marking machines
- Handjet printing machines
- Backup power generators



## TESTING FACILITIES

- Motorized Hydraulic Test Pump of 1400 kg/cm<sup>2</sup> capacity
- Hardness Tester
- X-Ray Testing
- Radiography Testing
- Liquid Penetrant Testing
- Magnetic Particle Testing
- Positive Material Identification (PMI)
- Ultrasonic Flaw Detector Testing
- Ultrasonic Thickness Gauge
- DFT Meter
- Profile Gauge
- Infrared Thermometer
- Optical Pyrometer

## OUR TEAM



\*Skilled-92 & Unskilled-33  
Total Workforce-200+

## OUR CLIENTELE





## OUR CULTURE & PRACTICES

- On every first Saturday we hoist national flag and every individual indulge in housekeeping of workshop and office for a day.



- Celebrate occasions of Independence Day, Republic Day and Vishwakarma Puja with participation of all employees and their loved ones.



- Celebrate EHS Week on first week of December every year followed by
  - Training & awareness programs on First aid & Fire Safety



- Lectures on various topics by renowned speakers



- Yoga



- Medical checkup



- Badminton Competition

