Custom Steel Fabrication, Welded Assemblies, Structures, Ducting, Plate Fabricated Beams, Boxes, RDSO Approved Steel Girders, Tanks, Silos, Pressure Vessels, Boiler Columns, Pipes, Fittings, etc with Services for CAD, Product Development, EPC Packages, Erection & Commissioning.

Corporate Office: C-120, Bulandshahar Road Industrial Area, Ghaziabad – 201009, INDIA
Emails: garg@spacechem.in, steelfab@spacechemgroup.com

www.steellgirdersindia.com   www.spacechem.in   spacechemengineers.com   spacechemgroup.com
Beams & Girders Fabrication Shop
“Spacechem Enterprises” started in 1987 as a metal fabrication job shop

Manufacturing and delivering **customized Welded Structures, Plate Fabricated Beams & Assemblies**

For diverse industrial & infrastructure projects of **global EPC contractors**

Promoted a new company **“Spacechem Engineers Pvt. Ltd.”** in 2007

Four Industrial Sites includes **60,000 sq. meters** of approved land with factory sheds, overhead cranes, fabrication equipments, teams of skilled workmen and engineers

Companies registered with the **Directorate of Industries**, U.P. and the **Ministry of MSME**, Government of India.

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Custom range of Plate Fabricated Beams, Boxes and Girders are used extensively in construction of bridges (ROBs), flyovers, metro rail projects, power plants, and supercritical boiler columns by BHEL, industrial structures, material handling systems, refineries, steel plants, airports, shopping malls, stadiums, utility and multi-storied buildings.

Contact: steelfab@spacechemgroup.com or +91 98688 77774
Spacechem continuous production lines are equipped with advanced machines.

Operations performed in-house or at associated workshops include CNC Profile Cutting, Plate Rolling/Bending, Forming, Punching, Auto Submerged Arc Welding, Assembling, Straightening, Drilling, Face Milling, Casting, Forging, Machining, Gear-cutting, Heat-treatment, Testing, Blasting, Painting and Packaging for light to heavy jobs weighing up to 100 Tons.

Metro Rail & Under-ground Tunneling

Spacechem Works for Metro Rail and Under Ground Turing Projects include providing Heavy Steel Weldments, Decks and Structures For TBMs – Single Job Weighing up to 50 Tons.
Product Features – Beams & Girders

- Beams are **tailor made** to customer’s specifications,

- Beams **fabricated** to **precise dimensions** through automatic/mechanized processing as compared to on-site fabrication,

- CNC programmed flame **cutting** produces **high accuracy and precision** in Plate Cutting, **Capacity up to 50 MT per day**,

- **Submerged arc** welding through double-cantilever **robotic machines** delivers **perfect quality of weld** with consistency, far superior to on-site weld,

- Edge and **face mill** facilities for **precision finishing**,

- Hole drilling, Sawing and marking **done on-line** on automatic drilling/sawing/marking machines,
Product Features – Beams & Girders

- Fabricated components **Shot/Sand blasting** before painting as per customers’ requirements,

- **Mechanized handling** eliminates any possibilities of mechanical damage,

- Beams can be delivered **face milled, shot-blasted, painted or primer coated** in factory finished condition,

- **Jumbo size fabricated beams** with drilled holes, studs, stiffeners, base plates, splice plates, **ready to be used** at the site are supplied from Spacechem fabrication facilities.
Bed for CNC Profile Cutting of Plates
CNC Profile Cutting of Plates
CNC Profile Cutting – 50 MT per day
Assembling Line (Capacity: 300 to 2000 mm)
Assembling Machine
Straightening Machine (Capacity: up to 80 mm thickness)
Continuous Beam Assembling & Straightening Line
Double Cantilever Robotic Auto Submerge Arc Welding
Robotic Auto Submerge Arc Welding
Robotic Auto Submerge Arc Welding Platforms

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After Die Penetration Testings
Beams’ Assembly
Custom Painting
Inspection & Testing
Composite Girders
After DP Testing of entire Beam
PRODUCTS PROFILE - RAILWAY BRIDGES

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PRODUCTS PROFILE - GIRDERS
ROAD OVER BRIDGES (ROBs) FROM FABRICATED BEAMS MANUFACTURED BY SPACECHEM

Spacechem

RDSO Approved
Beams’ Assembly
Registered & Approved by RDSO for fabrication and supply of Riveted & Welded Steel Girder
TO WHOMSOEVER IT MAY CONCERN

M/s. Spacechem Enterprises, C-126, 85 R Industrial Area, Ghaziabad – 201 009 (UP) is an approved Away Centre Fabrication Vendor of BHEL / Trichy. BHEL Outsourcing Department has entered into a Rate Contract with M/s. Spacechem Enterprises, Ghaziabad – 201 009 (UP) (Vendor Code 1669) vide Rate Contract Ref: OS / ACF / RC 2011-2012 dt: 03-08-11.

Utilising this Rate Contract, Purchase Orders for Bus Columns, Auto Welded Beams and Boxes, General Fabricated Structures, Boiler Ducts and Boiler Cyclones have been manufactured and supplied by M/s. Spacechem duly meeting BHEL’s technical and quality requirements. The above Products were manufactured after sourcing the raw materials from various BHEL approved vendors by M/s. Spacechem as per BHEL Technical Delivery Conditions.

For the past three consecutive years, M/s. Spacechem have been supplying consistently the Boiler Components to various Projects like HINDALCO MAMAN, HINDALCO RANGIPUR, BARKADARIA 2 X 600 MW, JINDAL DERANO 2 X 600 MW, JISPE 4 X 400 MW, VISA POWER 1 X 600 MW, SAGARDIGHI 2 X 500 MW, BECL / GUJARAT 2 X 250 MW, MONNET POWER 2 X 325 MW, AMARAVATHI 5 X 270 MW, CHANDWA 4 X 270 MW, CHABIRA 2 X 210 MW, etc.

The performance of the Products supplied by them is satisfactory.

B. BALASUBRAMANIAN
AGM / ACF (ENG) / OS

B. BALASUBRAMANIAN
AGM / ACF (ENG) / OS
VENDOR REGISTRATION - NTPC

Approved by NTPC for Auto Welded Beams

Sub: SG package of Nabinagar (3x550 MW) project - Supply of Boiler Structures, i.e. Auto Welded Beams and Bracings

This is reference to your proposal of M/s Spacechem Enterprises, Ghaziabad for the manufacturing & supply of Boiler Structures, i.e. Auto Welded Beams and Bracings for the subject project & package.

Your proposal has been reviewed and accepted as under:

<table>
<thead>
<tr>
<th>Name &amp; Vendor works address</th>
<th>Item</th>
<th>Applicable project/package</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/s Spacechem Enterprises</td>
<td>Auto Welded Beams and Bracings</td>
<td>Nabinagar (3x550MW), SG Package</td>
</tr>
</tbody>
</table>

The above proposal is acceptable subject to the following condition:

1. Raw materials (structural steel plates) shall be procured from NTPC approved manufacturer directly.
2. Separate colour code is to be maintained for NTPC material and separate storage area is to be identified.
3. Traceability needs to be maintained for each component right from raw material stage to finished product by hard punching/stamping. Stamp transfer shall be done in presence of BHEL* Authorised Inspector (BAI).
4. WPS & PQR to be approved by BHEL.
5. All welders for NTPC job shall be again qualified (WQT) by BHEL* AIA.
6. In the event of offloading NDT and heat treatment services, only BHEL approved agencies shall be deployed. No other process offloading is permissible.
7. Fabrication, assembly and inspection shall be as per BHEL dgr., NTPC specification and QP approved by NTPC.
8. Only BHEL approved welding consumables shall be used for fabrication.
9. BHEL* NDT procedures and accepted norms shall be strictly followed for all NDT jobs.

With Regards

Permud Kumar
DGM(PE-Mech)
For R.K. Choudhary
GM(PE-Mech) &
(CTF-Nabinagar)
# NSIC ENLISTMENT

![NSIC Certificate Image]

**Certificate Details:**
- **Certificate Type:** GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE
- **Certificate Date:** 09.02.2012
- **Certificate Number:** NSIC/C/F:0015953-12/01

**Company Details:**
- **Name:** Spacechem Enterprises
- **Address:** C-102, Swatantrandee Road, Industrial Area, Ghaziabad, Uttar Pradesh

**Certificate Holder:** Mr. Ashish Arya Gang

**Certificate Code:** 6

**Certificate Limit:**
- **Amount:** Rs. 2,900,000.00
- **Last Year:** 2016-17

**Allowed**
- Rs. 1,200,000.00 (Proposed: Twelve Times of Previous Three Years Only)

**Government Purchase Registration No:** NSIC/GP/DNGU/45/2011

**Authorised Signatory:**

**Contact Information:**
- **Website:** [www.spacechemengineers.com](http://www.spacechemengineers.com)
- **Website:** [spacechemgroup.com](http://spacechemgroup.com)
- **Website:** [www.steelgirdersindia.com](http://www.steelgirdersindia.com)
- **Website:** [www.spacechem.in](http://www.spacechem.in)

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**FOR GOVERNMENT PURCHASE ENLISTMENT**

![NSIC Emblem]
QUALITY ACCREDITATION

- ISO 9001:2008 - Quality Management System
- ISO 14001:2004 – Environmental Management System
- OHSAS 18001:2007 – Occupational Health Safety Management System
## PRODUCTS FOR BRIDGES

Range of Plate Fabricated Auto-welded and Cost effective H-Beams and Boxes

### (A) H-Beam

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Size Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>300 - 2000 mm</td>
</tr>
<tr>
<td>Web Thickness</td>
<td>8 – 60 mm</td>
</tr>
<tr>
<td>Flange Width</td>
<td>200 – 1000 mm</td>
</tr>
<tr>
<td>Flange Thickness</td>
<td>8 – 80 mm</td>
</tr>
<tr>
<td>Length</td>
<td>4000 – 14000 mm</td>
</tr>
</tbody>
</table>

### (B) Welded Box

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Size Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>W x H</td>
<td>300 - 1200 x 300 – 1200 mm</td>
</tr>
<tr>
<td>Length</td>
<td>15000 mm</td>
</tr>
</tbody>
</table>

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GENERAL PRODUCTS PROFILE
## TURNOVER VALUE & QUANTITY

<table>
<thead>
<tr>
<th>Financial Year</th>
<th>Turn Over (Value in Lacs)</th>
<th>Quantity Supplied (MT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 - 2010</td>
<td>1954.63</td>
<td>4762.53</td>
</tr>
<tr>
<td>2010 - 2011</td>
<td>3698.04</td>
<td>8519.88</td>
</tr>
<tr>
<td>2011 - 2012</td>
<td>6390.22</td>
<td>13248.00</td>
</tr>
</tbody>
</table>
Some prestigious clients whose projects have been served by the Spacechem in last 10 years

<table>
<thead>
<tr>
<th>Clients</th>
<th>Clients</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHEL, Trichy</td>
<td>Larsen &amp; Toubro</td>
</tr>
<tr>
<td>ABB Ltd.</td>
<td>Mitsui Babcock Energy (I) Ltd.</td>
</tr>
<tr>
<td>Loesche India Ltd</td>
<td>K.S.H.I – JV</td>
</tr>
<tr>
<td>Robbins Tunneling</td>
<td>Herrenknecht, Germany</td>
</tr>
<tr>
<td>Metro Tunneling Group</td>
<td>International Metro Civil Contractors</td>
</tr>
<tr>
<td>KHD Humboldt Wedag</td>
<td>VOLTAS Ltd.</td>
</tr>
<tr>
<td>ISGEC John Thompson</td>
<td>Triveni Engineering Works Ltd.</td>
</tr>
<tr>
<td>Continental Engineering</td>
<td>Walchandnagar Ltd.</td>
</tr>
<tr>
<td>Ondeo Degremont India Ltd</td>
<td>Unitech Machine Ltd.</td>
</tr>
<tr>
<td>Grasim Industries Limited</td>
<td>Cimmco Birla Ltd.</td>
</tr>
<tr>
<td>Llyod Insulation (India) Ltd</td>
<td>DLF Power Ltd.</td>
</tr>
<tr>
<td>Blue Star Limited</td>
<td>Neer Shree Cement</td>
</tr>
</tbody>
</table>

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Europe Visitors
Industry Delegation from Europe
<table>
<thead>
<tr>
<th>Unit</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit-I</td>
<td>E-81, Industrial Area, Bulandshahar Road, Ghaziabad-201009 (UP) India</td>
<td>Ghaziabad</td>
<td>UP</td>
<td>201009</td>
</tr>
<tr>
<td>Unit-II</td>
<td>C-120, Industrial Area, Bulandshahar Road, Ghaziabad-201009 (UP) India</td>
<td>Ghaziabad</td>
<td>UP</td>
<td>201009</td>
</tr>
<tr>
<td>Unit-III</td>
<td>B-51-53, UPDIDC Industrial Area (Phase-I), M.G. Road, Ghaziabad – 201302</td>
<td>Ghaziabad</td>
<td>UP</td>
<td>201302</td>
</tr>
<tr>
<td>Unit-IV</td>
<td>B-69-85, UPSIDC Industrial Area (Phase-III), B.S. Road, Ghaziabad – 201302</td>
<td>Ghaziabad</td>
<td>UP</td>
<td>201302</td>
</tr>
</tbody>
</table>

**SPACECHEM ENTERPRISES**

**SPACECHEM ENGINEERS PVT. LTD**
Accreditations:

• **ISO 9001:2008** - Quality Management System
• **ISO 14001:2004** – Environmental Management System
• **OHSAS 18001:2007** – Occupational Health Safety Management System

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Phone: +91 98688 77774

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(Corporate Office)

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Krishan Avtar Garg

Managing Director

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Spacechem Engineers Pvt. Ltd.
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Ghaziabad - 201009 (U.P.) India

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RDSO Approved Steel Bridge Girders

Custom Steel Fabrication, Beams, Girders, Bridges, Vessels, Boiler Structures
CAD, Product Development, EPC Packages, Erection & Commissioning

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M. Tech. (IIT-BHU) MBA (IIFT)

Head - Technology & Business Development

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