



# **N.S.Engineering Company Private Limited**

**HYDERABAD**

Email id: [nsengg@gmail.com](mailto:nsengg@gmail.com)

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## **PROFILE**

M/s. N.S. Engineering Co., (P) Ltd., company has been promoted by technocrats in the year 1987 and is being managed by professionals with vast experience in the field of heavy engineering and thermal engineering Industries. Experts in manufacturing, supply and erection of heavy equipment as per customer's design. Catering to various large industrial sectors such as power plants, wind power mills, defence labs, space requirements, cement and steel plants.

Conversant with different types of manufacturing and quality standards. Quality management system has been accreted under ISO **9001-2000** certification. Have been awarded as best vendor by M/s. BHEL, Hyderabad towards manufacturing and supply of Bowl Mill equipments for various types of mills.

Has two manufacturing and machining units at Hyderabad with unit-I having medium size machineries and Unit-II having large size equipments to meet the requirements of Heavy Jobs.

Undertaken major jobs with third party inspection agencies such as BVQI, Germanischer Lloyd. DNV, TPL, BHEL. Manufacturing facilities have been approved by M/s. National Thermal Power Corporation Limited.

## **GENERAL INFORMATION**

Name of company : **N.S. ENGG. COMPANY (P) LIMITED**

Regd. Office : N.S. ENGG. COMPANY (P) LIMITED  
Unit No: B-28, BHEL Ancillary Industrial Estate  
Ramachandrapuram HYDERABAD- 502032  
☎ : 040-23022246, 23020626  
☎ : 040-23027115

Unit – I : B-28, BHEL Ancillary Industrial Estate  
Ramachandrapuram HYDERABAD- 502032  
☎ : 040-23022246, 23020626  
☎ : 040-23027115

Unit – II : Survey no: 312 & 313, coca cola road  
Bachupally village, Qutubullapur Mandal  
Ranga Reddy dist, Hyderabad  
☎ : 040-23047989, 32507989  
☎ : 040-23047115

Email ID : nsengg@gmail.com

## ORGANIZATION INFORMATION

1. NATURE OF COMPANY : Private Limited
2. NATURE OF BUSINESS : Heavy & Thermal Engineering Equipments
3. CONTACT PERSONS:

NAME	DESIGNATION	Phone Numbers	
		Office	mobile
P. Nagabhushanam	Managing Director	23020626	9849027877
P. V .Subba Rao	Executive Director	23020626	9393939862
P. Naveen	Director Operations	23020626	9390079890
G. Mallikarjuna Rao	General Manager (Works)	23047989	9399948488
B. Srinivasa Rao	Dy. GM (Machine Shop)	23047989	9396665594
R. Mallikarjun	Dy.GM (Quality Control)	23047989	9014432345
P. Surendra Reddy	Dy. GM (Marketing)	23047989	9393939050
Ch. Subba Rao	Sr. Manager	23047989	9346458859
A.Mallesham	Manager Accounts	23022246	9392110345

#### 4. EMPLOYEES

Production Engineers & Supervisors	27 persons
Marketing	2 persons
Quality Control	6 persons
Production	260 persons

## INFRASTRUCTURE

1. Total Area of the Factory	:	Unit – I	2 Acres
		Unit – II	4 Acres
2. Covered Area	:	Unit – I	
		10 mtr X 15 mtr	3 Bays
		20 mtr x 45 mtr	1 bay
	:	Unit – II	
		16 mtr X 175 mtr	2 Bays
		21 mtr X 175 mtr	1 Bay
3. Electric Power Source	:	Unit – I	500 KVA
		Unit – II	1000 KVA
4. Number of Shifts running	:	III shifts	
5. Captive Power Source	:	1. 500 KVA Caterpillar Make	
		2. 135 KVA Ashok Leyland Make	
		3. 125 KVA Ashok Leyland Make	
		4. 100 KVA Ashok Leyland Make	
6. Installed manufacturing capacity	:	Unit – I - 1000 Tons per Annum	
		Unit – II- 6000 Tons per Annum	
7. Present utilization	:	Unit – I	- 90%
		Unit – II	- 55%

# MACHINERY

S NO	DESCRIPTION OF THE MACHINE	MAKE	QTY
<b>1</b>	<b>VERTICAL BORERS</b>		
1.1	CNC V.T.L Swing $\varnothing$ 8000 mm x 5000 mm height. Max table load 85 tons. With accuracy 30 microns	Karats, Japan	One
1.2	CNC V.T.L Swing $\varnothing$ 9000 mm x 2500 mm height With accuracy 30 – 40 microns, with live spindle	Kobe, Japan	One
1.3	CNC V.T.L Table diameter 6300 mm Swing $\varnothing$ 7000 mm x 3500 mm height CNC System: Fanuc with Load carrying capacity: 45MT With accuracy 30 microns	Craven, England	One
1.4	V.T.L. Table $\varnothing$ 6700 mm x 3600 mm height with accuracy within 50 microns. Max. table load 100 tons with DRO in 2 X 2 Axis.	Richards , England	One
1.5	Conventional Vertical Turning Lathe, Chuck Size: 4000 mm, Height: 3000 mm, Load Carrying capacity: 30MT	WMW, Germany	One
1.6	CNC V.T.L $\varnothing$ 3200 mm X 3000 mm height	Schiess, Germany	One
1.7	V.T.L $\varnothing$ 3200 mm X 1500 mm height	Webster & Bennet, England	One *
1.8	V.T.L $\varnothing$ 3200 mm X 2500 mm height	WMW, Germany	One *
1.9	V.T.L. $\varnothing$ 2500 mm X 2000 mm height	WMW, Germany	One *
1.10	V.T.L. $\varnothing$ 2000 mm X 2000 mm height	Niles, Germany	One *
1.11	V.T.L $\varnothing$ 1700 mm X 1000 mm height	Webster & Bennet, England	One *
1.12	V.T.L $\varnothing$ 1500 mm X 1000 mm height	Webster & Bennet, England	Three *
1.13	V.T.L $\varnothing$ 1200 mm X 1000 mm height	Webster & Bennet, England	Two *

2	HORIZONTAL BORERS		
2.1	7-Axis CNC Horizontal Boring Machine Ram: 600 mm x 600 mm X-Travel: 12000 mm Y-Travel: 6000 mm Z-Travel: 2500 mm Rotary Table: 4 meter x 4 meter, with CNC Indexing Table Load Capacity: 100MT Machine accuracy within 20 microns <ul style="list-style-type: none"> <li>Machine expected to reach in November 2011</li> </ul>	Schiess	One
2.2	N.C Floor type Horizontal Boring Machine BF 225 Spindle $\varnothing$ 225 mm, with NC controls accuracy with in 30 microns X Stroke 9000 mm Y Stroke 4000 mm Z Stroke 1800 mm Rotary Table 3000 mm. Max. Table load 60 tons.	Schiess – Froiep, Germany	One
2.3	C.N.C. Floor type Horizontal Boring and Milling machine with spindle $\varnothing$ 160mm. X Stroke 7000 mm Y Stroke 3500 mm Z Stroke 2000 mm Ram $\varnothing$ 550 mm with SIEMENS 840D numeric controls. Max. Table load 25 tons. Machine accuracy 25 microns	Skoda, Czechoslovakia	One
2.4	Floor type Horizontal Boring Machine WD-160 with 2000 mm X 2000-mm Rotary table with 3 axis DRO attachment. X Stroke 3000 mm Y Stroke 2700 mm	Skoda, Czechoslovakia	One *
2.5	Floor type Horizontal boring machine with Spindle $\varnothing$ 160 mm with two Rotary table and DRO 3 axis X Stroke 3000 mm Y Stroke 2500 mm <ul style="list-style-type: none"> <li>Under erection</li> </ul>	WMW, Germany	One



2.6	Floor type Horizontal boring machine with Spindle Ø 150 mm with Rotary table and DRO 3 axis X Stroke 3000 mm Y Stroke 2500 mm	Collet, Germany	One
2.7	Floor type Horizontal boring machine with Spindle Ø 125 with 1800 mm table X Stroke 2000 mm Y Stroke 1500 mm	WMW, Germany	One *
2.8	Table type Horizontal Boring machine with spindle Ø 125 mm with 3 axis DRO X Stroke 1500 mm Y Stroke 1000 mm	WMW, Germany	One *
<b>3</b>	<b>PLANO MILLER</b>		
3.1	Plano milling machine X- 9000 mm , Y- 2000 mm with universal milling attachment	HELLER	One
<b>4</b>	<b>LATHES</b>		
4.1	CNC Center Lathe Ø2500 mm X 10000 mm. Long	WMW, Germany	One
4.2	Bombay lathe, between centers 2000 mm and chuck size of Ø 1000 mm above bed.	Mysore Kirloskar, India	Two *
4.3	Centre lathe between centre 10000 mm. Above bed Ø 700 mm.	Beco, India	One *
<b>5</b>	<b>DRILLERS</b>		
5.1	Radial drilling machine with spindle Ø 110 mm	Raboma, Germany	One
5.2	Radial drilling machine with spindle Ø 100 mm	HMT, India	One *
5.3	Radial drilling machine with spindle Ø 100 mm	Raboma, Germany	One *
5.4	Universal drilling machine spindle Ø 100mm (Angular drilling)	WMW, Germany	One
5.5	Radial drilling machine with spindle Ø 80 mm	Raboma, Germany	One
5.6	Radial drilling machine with spindle Ø 80 mm	HMC, India	One *
5.7	Radial drilling machine with spindle Ø 65 mm	HMT, India	Two *
5.8	Radial drilling machine with spindle Ø 63 mm	HMT, India	Two *
5.9	Radial drilling machine with spindle Ø 62 mm	HMT, India	One *

5.10	Bar Drilling machine with Spindle $\varnothing$ 100mm x 3400 x 9000mm with DRO in 2 axis	Raboma, Germany	One
<b>6</b>	<b>SLOTING</b>		
6.1	Heavy Duty slotting machine Stroke 450mm.	Mysore Kirloskar , India	One

\*Machines located at Unit-I

## **FABRICATION FACILITIES**

S NO	DESCRIPTION	QTY
<b>1</b>	<b>MATERIAL PREPARATION EQUIPMENTS</b>	
1.1	CNC Profile Cutting Machine – 5800mm x 30000mm – Make: Messer, Germany	One
1.2	Hand cutting torch	Twenty
1.3	Pug cutting Machine ( Make Esab)	Twenty
1.4	Screw Press (up to 25 thick capacity)	One
1.5	Hydraulic press (up to 25 thick capacity)	One
1.6	AG-7, GQ-4, GK-4, Grinding machines	Forty
<b>2</b>	<b>ROLLING MACHINES</b>	
2.1	Plate Rolling Machine 75 mm X 3000 mm with pre-pinching and cone bending provision.	One
2.2	Plate rolling machine 25 mm thick X 3000 mm	One
<b>3</b>	<b>FABRICATION BEDS</b>	
3.1	Fabrication Bed 20000 mm X 3000 mm	One
3.2	Fabrication Bed 6000 mm X 12000 mm	One
3.3	Fabrication Bed 3000 mm X 3000 mm	One
3.4	Fabrication Bed 2500 mm X 5500 mm	One
3.5	Fabrication Bed 6000 mm X 12000 mm	One
<b>4</b>	<b>BOOM WELDING MACHINE</b>	
4.1	SAW boom welding machine with X-travel of 6500 mm & Y-travel of 6000mm-power source 1200 Amps.	One

<b>5</b>	<b>WELDING EQUIPMENT'S</b>	
5.1	Welding rectifiers 600 amps make Memco	Forty
5.2	Welding inverters – 400 Amps make Electro – Mech	Six
5.3	Welding rectifiers 400 amps make M.J Brothers	four
5.4	Welding Transformer make Adavani	One
5.5	MIG welding machine make Memco	Twenty
5.6	TIG welding machine	One
5.7	Welding rotators	Six sets
5.8	Welding manipulator	One
5.9	Portable hand ovens (Make Esab)	Twenty
5.10	Electrode baking/drying oven	Five
<b>6</b>	<b>MATERIAL HANDLING EQUIPMENTS</b>	
6.1	100 ton EOT Crane	One
6.2	65 ton EOT Crane	One
6.3	50 Ton, EOT Crane	One
6.4	40 Ton, EOT Crane	One
6.5	35 Ton, EOT Crane	One
6.6	30 Ton, EOT Crane	One
6.7	25 Ton, EOT Crane	One
6.8	20 Ton EOT Crane	One
6.9	20 Ton, 120 Feet power driven mobile gantry	One
6.10	10 Ton, 100 Feet power driven mobile gantry	One
6.11	40 Feet X 26 Feet Height 15 Ton capacity Gantry	Two
6.12	10 Ton, Chain pulley block	One
6.13	14 Ton, Mobile crane	One
6.14	6 Ton, over head crane	One
6.15	5 Ton, crane	One
<b>7</b>	<b>HEAT TREATMENT FURNACE</b>	
7.1	Heat treatment furnace for stress relieving 9000 mm X 6000 mm X 5000 mm	One
<b>8</b>	<b>SURFACE PREPARATION FACILITIES</b>	
8.1	Shot / grit blasting booth 8000 mm X 8000 mm x 6000 mm	One

8.2	Painting booth 9000 mm X 8000 mm X 6000 mm <ul style="list-style-type: none"> <li>Under erection</li> </ul>	One
8.3	Airless Spraying Equipment (VR Coatings Make)	Two

## INSPECTION EQUIPMENTS

SL.No	DESCRIPTION	Qty
01	Vernier Calipers from 300 to 3000mm in all ranges	One Set
02	Outside Micrometers from 0 to 1500mm in all ranges	One Set
03	Depth Verniers from 250 to 1000mm in all ranges	One Set
04	Inside Micrometers from 50 to 1500mm in all ranges	One Set
05	Inside Tube Micrometer 1000 mm to 5000 mm	One No.
06	Slip Gauges up to 100mm	One Set
07	Measuring Tapes up to 30 Mtrs	
08	Bore Gauges 35-150 MM	One Set
09	Height Gauges up to 1500mm	One Set
10	Welding Gauges	One Set
11	Bevel Protractors	One Set
12	<b>WELDING INSPECTION</b> <ul style="list-style-type: none"> <li>Dye Penetrant Testing</li> <li>Magnetic Particle Inspection Equipment (Yoke &amp; Prod with wet fluorescent methods)</li> <li>Ultrasonic Testing Equipment</li> </ul> Radiography Inspection shall be carried out with associates	

## **REPUTED CLIENTS**

### **POWER PLANT EQUIPMENT (THERMAL):**

- BHARAT HEAVY ELECTRICALS LIMITED, HYDERABAD
- BHARAT HEAVY ELECTRICALS LIMITED, VARANASI
- BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
- BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR
- L&T MHI LIMITED (PPG), MUMBAI
- L&T MHI TURBINE GENERATOR PVT LTD, HAZIRA
- ALSTOM PROJECTS SWITZERLAND
- ALSTOM PROJECTS INDIA LIMITED
- NATIONAL THERMAL POWER STATIONS
- MSEB, APSEB, KPCL, ETC.

### **DEFENCE AND AEROSPACE PRODUCTS:**

- SATISH DHAWAN SPACE CENTER – SHAR
- ADVANCED SYSTEMS LABORATORY
- VIKRAM SARABAHU SPACE CENTER
- HINDUSTAN AERONAUTICS LTD
- MISHRADATHU NIGAM LIMITED
- ORDINANCE FACTORY, MEDAK
- NUCLEAR FUEL COMPLEX
- DEFENSE RESEARCH & DEVELOPMENT LAB

### **CEMENT AND MINERALS:**

- FLSMIDTH MINERALS PVT LIMITED
- HUMBOLDT WEDAG INDIA PVT LIMITED
- ALSTOM PROJECTS INDIA LIMITED
- VISHAKA CEMENTS LIMITED
- CEMENT CORPORATION OF INDIA LIMITED
- THE INDIA CEMENTS LIMITED
- THYSEN KRUPP INDUSTRIES LIMITED

**WIND POWER:**

- REGEN POWER TECH
- SUZLON ENERGY LIMITED
- NEG MICON INDIA LTD

**HYDRO – POWER:**

- BOVING FOURESS LIMITED
- BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

## **PRODUCT RANGE**

### **Thermal Power Plants:**

**Bowl Mill** equipment XRP and HP type (Separator Body Assembly, Air Inlet Housing Assembly, Separator Top Assembly, PGB Housing, Journal assembly etc.)

**Tube Mills** Ball Mills, Classifier and conveyor assembly, and supporting bearing assembly etc.

**Steam Turbine** (LP Inner Outer Casings, LP Inner Inner Casings, Bearing pedestals, Longitudinal Girders, Front Wall, Exhaust Frame, Exhaust Hood and Base Frame etc.)

**Pumps** (CWP components, pump casing, Head gears and canister assembly etc.)

### **Wind Power Mills:**

Generator rotor and stator, Brake disc, Reinforced cap, Hubs, Main frame, Bearing housings and Top adopter etc.),

### **Cement plants :**

Kiln shells, Mill shells, Main bearing assembly, Base plates, Support roller assembly, Tyres, and Girth gears etc.)

### **Space application:**

Ground handling equipment for GSLV M-III such as S-200 assembly towers, Plat forms, full motor assembly fixtures, tilting setup, lifting tackles, GRT-support structures, Tilting Fixture for PSOM XL Motor including site erection and commissioning.

### **Defence Application:**

Casting Setup for  $\emptyset$  1.2 motor, lifting tackles, casting mandrels with Teflon coating and also tilting assembly fixtures.