

# Overview of the Plant

- Purva Steel Private Limited is right at the center of the Hindupur Industrial Area with a total area of 15 acres (653400 sq ft)
- Purva Steel is ISO 9001:2015 Certified
- Purva Steel has the following divisions:
  1. DRI
  2. Scrap Processing Unit
  3. Steel Melting Shop (furnace) with CCM,
  4. Rolling Mill
- Sizes & Grades Manufactured currently:

**TMT Bars Sizes:** 8mm to 40mm  
(In Grades: Fe500, Fe500D, Fe550, Fe550D (Chemical & Physical Pass as per BIS))

**Square Bars Sizes:** 6mm to 40mm

**Round Bars Sizes:** 6mm to 40mm

# DRI Plant

- DRI Plant has 100 tons **(per day)** Klin with ABC, Coal shed of about 1300 sq meter suitable to store about 5000 mt of coal with one 10 mt EOT crane.
- Iron Ore storage area of about 20000 mt.
- Entire DRI line is operation with Coal & Iron ore crusher.
- DRI plant has provision for expansion of one more Kiln of 100 or 200 TPD

# Steel Melting Shop (Furnace)

- SMS shed is about 2500 sq meter with total 4 Nos of EOT cranes, out of which 2 cranes are of – 30 mt capacity each & 2 cranes of 15 mt each.
- Electrotherm furnace of 12 mt – 2 panels (4 crucible) with 15 mt or above liquid metal per heat, with hydraulic pusher system (Expansion space available for 30 mt – 2 furnace in the layout.)
- Continuous Casting Machine- CCM of Contast India make of size 6 x 11- 2 stand with shearing machine. CCM is suitable to cast slab with size of 300 x 200 billet size.
- Slag crusher unit, slag crusher unit is operation with two lines which can process 100 mt of slag every day in one shift.
- Scrap processing shed size is about 2100 sq meter, which consist of two EOT crane of 10 MT each, equipment with Magnets & Grabs etc. for scrap handling. There is one Hydraulic Shear line of 880 MT force cylinder which can process upto 20 mt per hour. One Hydraulic bailing machine which can bail bundles upto 200 kg each. Another hydraulic bailing line with bail size of 50 kg each.

# Rolling Mill Division

- Rolling mill division has a steel building of 10000 sq meter, with 5 EOT cranes of 15 mt each, list of equipment is as:
  1. Rolling Mills has total 13 stands, out of which 7 stands are continuous.
  2. Roughing mill is 16 inches roughing with three stand AC -1500 HP motors,
  3. Two continuous stands of 14 inches AC- 500 HP,
  4. Two 12 inches twin stand of DC – 400 HP,
  5. Six stand of 10 inches DC – 250 HP motor
  6. Quenching box is of Thermex technology of Eagle make.
  7. Reheating Furnace (RHF) – RHF pulverized coal based, is suitable for reheating the billet of upto 3250 mm, the capacity of RHF is 20 MTs per hour.
- This Mill has capacity of manufacturing 20 MT per hour, we are presently running this mill through direct hot billet receiving from CCM & also Reheating furnace. For future expansion in rolling mill we have complete bay available for a new mill.
- Fully equipped & operation Workshop with 7 Lathe machine, two separate machine, one CNC notching & One Punching machine.

# General Facility available at Plant

- Weight bridge- 80 mt capacity Trailer weighbridge -1 no, 120 mt capacity – 1 no.
- With two number back hoe loader, One TATA hitachi, Two tipper, two tractor, two lift all hydra for pick & carry.
- Labor quarter is available for 300 employee.
- Staff quarter is available for 30 employee.
- Power Dynamic load manager is available in the plant to control the power supply of every division.
- Entire plant is on CCTV surveillance, there are about 128 camera are working for the LIVE view of the entire plant & its operation.
- Fully operation stores available with spare sparts to run the complete plant.

Gallery

## Entrance & Office Area



# Re- Heating Furnace





# Furnace



# Rolling Mill





# Scrap Processing Unit



**DRI**





**DRI**

