

# Prakash Industries Ltd

## An obsession for excellence

**P**rakash industries Ltd promoted by V.P.Agarwal, (CMD of the company), was incorporated in 1980. As one of the most innovative industrialist in India, he won prestigious UNCIY award for innovating new techniques in hilly area. The award was presented to him by honorable President of India.

The company has set up a fully integrated steel plant at Champa, Distt Janjgir in Chhattisgarh with manufacturing facilities to manufacture sponge iron (based on 100% SL/RN technology of Lurgi, Germany), ingots, blooms and billets, ferro alloys, captive power generation of 74.5 MW capacity etc.

With the Indian economy all set for high development all around and steel being the important factor, the heavy structural steel market offers vast growth potential This is the reason why company has installed its rolling mill facilities at Raipur, Chhattisgarh to manufacture the heavy structural.

In yet another planned move towards the self reliance and ensuing the uninterrupted supply of consistent quality of Iron ore for the Sponge Iron Kilns, company has set up a Crushing and Screening plant at Koira , Distt-Sundargarh in the state of Orissa.

### Product specifications:-

Following are the details of various products of the company: -

**Sponge Iron** : Prakash Industries is presently producing sponge iron with

total capacity of 4 lac MT/annum. The properties of sponge iron typically produced at PIL are as shown below: parameters - % value, Fe (M) - 81% Min., metallization - 88% Min, sulphur - 0.04 % Max., phosphorus - 0.05 % Max., carbon - 0.07 to 0.11%

**Ferro Alloys** (Ferro Chrome / Silico manganese): Ferro Alloys are produced in the 04 Nos .Submerged Arc Furnaces of 7.5 MVA capacity each . The total annual capacity of the production unit is 50000 TPA . The properties of Ferro Alloys produced at PIL are as shown above.

Sl. No.	DESCRIPTION	FERRO CHROME	SILICO MANGANESE
1	Finished product standards size for Sale (Also as per Party's requirement)	10 to 150 mm 10 to 50 mm 25 to 50 mm 25 to 150 mm	10 to 150 mm 10 to 50 mm 25 to 50 mm 25 to 150 mm
2	Chemical Analysis	Cr % 60 – 65 Si % 2 - 4 C % 6 - 8 P % 0.05 Max. S % 0.03 Max.	Mn % 60–65 (*) Si % 15–20 (**) C % 2.0 P % 0.4 Max. S % 0.05 Max.

(\*) 60.5% will be maintained for better productivity.

(\*\*) 15 – 16 % will be maintained for better productivity.

### Future Expansion Plans:

The company has entered into a MOU on 7th January 2005 with the Govt. of Chhattisgarh regarding future investment in the state to the tune of more than Rs.1000 Crores. Following are the details of the proposed expansion plans :

- Coal based Sponge Iron Plant

(DRI Plant) : 4 LTPA

- Captive Power Plant (Co-generation of Power) : 25 MW
- Coal based Captive Power Plant, (Fluidized Bed Boiler & Thermal Boilers) : 190 MW
- Steel Billets / Blooms / Ingots making facility (Steel Melting Shop) : 9 LTPA
- Development of captive coal mine for Sponge iron : 1 MTPA
- Development of captive coal block mine for Captive Power Plant, together with Coal Washery Project : 1 MTPA
- Development of Iron Ore Mine in the State of Chhattisgarh with crushing plant at mines : 1 MTPA

- Mini Blast Furnace for Pig Iron : 2.5 LTPA
- Sub-Merged Arc Furnace (SAF) for production of Silico Manganese & Ferro Chrome : 1.15LTPA
- Structural Rolling Mill : 3 LTPA
- Wire Rod Mill : 3 LTPA

