



Lloyds Metals & Engineers Ltd. (LMEL)



Lloyds Metals & Engineers Ltd. (LMEL) is operating 2,70,000 TPA capacity Sponge Iron Plant. LMEL has taken the technology from M/s. Orissa Sponge Iron Ltd. (OSIL) and installed their plant at Ghugus near Chandrapur (M.S.). OSIL & MECON both have entered an agreement with LMEL to set up their Sponge Iron Plant. The main equipments kiln, cooler and other major structures were designed and supplied by M/s. Lloyds Steel Engineering Division, Murbad. Lloyds Steel Engineering Division has full infrastructure facilities to fabricate kilns and heavy equipments and structures. LMEL plant was originally conceived in 1992 and ultimately the plant went into operation from September 1995 onwards.

LMEL Sponge Iron Plant uses iron ore from Barbil (Orissa) and coal from Western Coalfields Ltd. of Wardha Valley and sells their entire Sponge Iron to M/s. Lloyds Steel Industries Ltd., Wardha thus it is a captive plant.

Specification of Sponge Iron:

Chemical:

Fe (metallic) = 82% avg.

Metallisation:= 92 % avg.

Carbon = 0.15% to 0.25% (0.2% avg.)

Sulphur = 0.04% to 0.06% (0.55% avg.)

Phosphorus = 0.035% to 0.045% max.

Gangue = 5.0 % avg.

($al_2o_3+si_o_2+mgo+cao$)

Physical size:

+ 15 mm = 1% max.

-15mm to +1 mm = 87 % avg.

-1mm = 12% max.