



SUYESH GROUP

Foundry division

SUYESH IRON & STEELS PVT LIMITED

DETAILS OF MACHINE EQUIPMENTS	QTY. / NOS.
1) <u>MELTING SHOP</u>	
a) Medium Frequency Induction Furnace of 500 KW (IGBT) M/s. Inductotherm India Ltd. Make with 500 Kgs crussible	02
b) Digital Temp. Pyrometer for measuring liquid Metal temp of V-smart make.	01
c) Digital Temp. Pyrometer for measuring liquid Metal temp of Suyash Enterprises, Pune Make.	01
d) Suyash make Carbon Equivalent meter (computerized online) With graphic analyser, nodule count, nodularity, cooling curves	01
e) V-smart make Carbon Equivalent meter (computerized online) With graphic analyser, nodule count, nodularity, cooling curves	02
f) Ajay Syscon make Carbon Equivalent meter (computerized online) With graphic analyzer, nodule count, nodularity, cooling curves	01
2) <u>SAND PREPARATION & MOULDING</u>	
a) Sand Mixer - 500 Kgs Intensive Mixer	01
b) Molding machine BMD make 450 Simultaneous Jolt Squeeze Pin-lift Type with Atomized sand plant Of Shri Shakti equipment, Coimbatore	02
c) 76 Mtr. Mould Trackline	
d) Sand Cooler capacity of 10 Ton/ Hrs.	01
e) Hydraulic Pusher System	01
f) Hydraulically operated Punch out	01
g) Sand Mixer - 300 Kgs Intensive Mixer	01
3) <u>CORE SHOP</u>	
a) Shell core shooter	01
c) Cold Box	02
4) <u>FETTLING SHOP.</u>	

- | | |
|--|----|
| a) Hanger type Shot Blasting Machine – 300kg
M/S - Shree Sakti Make | 01 |
| b) Air Compressor make Atlas Copco | 01 |
| c) Air Compressor make Keaser | 01 |
| d) All equipments used for fettling like Bench grinders, cutters,
Buffing m/c, angle grinders, point grinders | |

DETAILS OF MACHINE EQUIPMENTS	QTY. / NOS.
-------------------------------	-------------

5) LABORATORY:

a) CHEMICAL TESTINGS:

- | | |
|---|----|
| • SPECTRO- SPECTROMAXx | 01 |
| • All equipments & full fledged wet Analysis
Laboratory for 27 elements. | 01 |

b) PHYSICAL TESTINGS:

- | | |
|---|----|
| 1. Brinell Hardness Testing of Fine Testing Machine, Model:3000 | 01 |
| 2. Universal Tensile Machine of Fine Testing Machine, Model:TUE-C-400 | 01 |

c) METALLURGICAL LABORATORY

- | | |
|--|----|
| i) Pro – Metal 3. Image Analysis System Contents
MV 12.5D Inverted Metallurgical Microscope.
With computer attachment of digital camera. | 01 |
| iii) Polish machine | 01 |

d) SAND TESTING

All Equipments like sand rammer, universal strength m/c, compactability tester, Moisture tester, permeability meter, hot plate, muffle furnace, sand drier, Sieve shaker, etc.

6) PATTERN SHOP:

- | | |
|--|----|
| i) All measuring instruments like vernier caliper, dial gauge,
Height Gauge bore gauges, micrometers & other. | |
| ii) Surface plate - (48 “x 42”) | 01 |
| iii) Radial drilling machine (1” capacity Drill dia). | 01 |

7) GENERATOR: 50KW 01
