

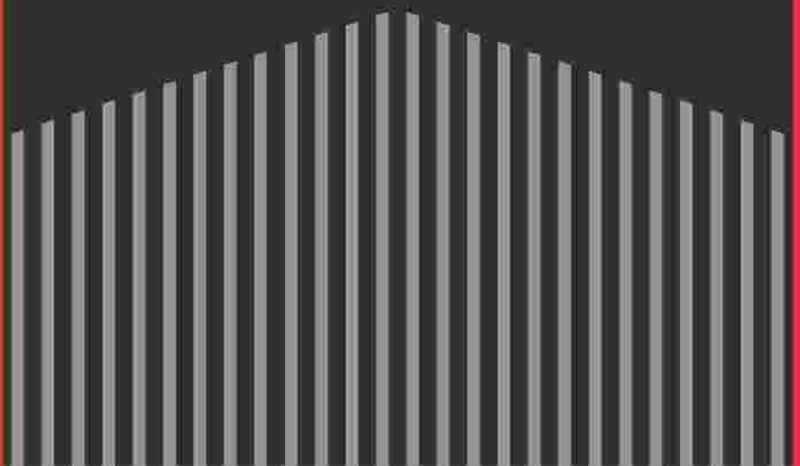


**HALLMARK  
METALS**

*Sculptures in Steel*



**HALLMARK METALS PVT. LIMITED**



## A SYNOPSIS

QUALITY IS OUR  
HALLMARK



Our proposed sculptures in steel

The Company **HALLMARK METALS PRIVATE LIMITED** has been promoted by **Mr. BABASAHEB R. PATIL** and **Mr. RAHUL B.PATIL**. **Mr. R. V. Kulkarni** is an Engineering professional and the Technical Director. **HALLMARK METALS PVT. LTD.** proposes to set up a most modern sophisticated steel foundry at Kolhapur in MIDC. Land has been procured and is in the possession of the company. All requisite licenses have been obtained or are in process. Orders for various items have been received from major customers.

### The Background of Promoters

**Mr. BABASAHEB R. PATIL** has a rich and varied experience in well known foundries, reputed in Kolhapur and surrounding region for quality work. Since day one the spirit of quality and giving the best has been imbibed in the company's mission statement. After a long and successful stint in the foundry line, he started trading in foundry materials under the name **FURNACE FEEDERS** in 1987. 'FURNACE FEEDERS' supplies Various Ferro alloys, Metals, Silica Ramming mass & Refractory castables which are required for induction furnaces in various foundries. The Company has shown a steady and uniform growth and now it has established itself as a Market Leader in Kolhapur & adjacent Districts in the specific segment that it operates. It caters to about 160 Foundries in the South Maharashtra and North Karnataka Zone. The Company has a wide purchase & sales network across 14 States in India and abroad. The Company also possesses **EXIM** Licence. **Mr. BABASAHEB PATIL** is the Chairman of Hallmark Metals Pvt Ltd.

**Mr. RAHUL B.PATIL** joined **FURNACE FEEDERS** after completing his Degree in Engineering and Management Studies. He has been leading the sales team to achieve incremental sales every year. He has been instrumental in propagating specific strategies to boost the trading & technical activities and company has achieved a prime position of respect & confidence in the industry. He is the Managing Director of the Company

**Mr. R.V. Kulkarni** the Technical Director is a technocrat and is a metallurgical graduate. He brings to the company a rich and varied experience of 25 years in renowned foundries in India and abroad. He also brings in a host of contacts and technical expertise that could be useful to the company in future.

**The Company** has procured following machinery and equipment for the steel foundry. All technical details and specifications are included in this document. All technology is indigenously available with the company. The plant shall employ about 100 persons (Skilled, unskilled and staff on a 3 shift basis)



**MELTING**

- ‡ 550 KW Medium Frequency induction furnace with 500 Kg & 1 ton capacity pots 1 No. each

**MATERIAL HANDLING**

- ‡ 5 MT Overhead Crane (for pouring & heat treatment) 1 No.
- ‡ 5 MT Overhead Crane (for moulding & dispatch) 1 No.

**MOULDING & CORE MAKING**

- ‡ Sand mixer 300 Kg capacity (for moulding) 1 No.
- ‡ Sand mixer 150 Kg capacity (for core making) 1 No.
- ‡ Sand mixer 50 Kg capacity (for ramming mass mixing) 1 No.
- ‡ Sand drier 1 T capacity 1 No.
- ‡ Mould paint mixer - 50 Kg capacity 1 No.
- ‡ Electric core oven for Core heating (max op.temp 250°C) 1 No.
- ‡ Pneumatic Rammer 1 No.

**HEAT TREATMENT**

- ‡ Electrical H/T furnace for normalizing 2 T capacity 1 No.
- ‡ Electrical H/T furnace for quenching 1 T capacity 1 No.
- ‡ 36 KW Electrical tempering furnace 1 T capacity with centralized monitoring system 1 No.

**SHOT BLASTING**

- ‡ Hanger type S/B machine 750 Kg capacity 1 No.

**FETTLING**

- ‡ Swing frame grinders 16" 2 Nos.
- ‡ Swing frame grinders 14" 1 No.
- ‡ Swing frame grinders 12" 1 No.
- ‡ Pedestal grinder 16" 1 No.
- ‡ 7" Angle grinders 2 Nos.
- ‡ 5" Angle grinders 2 Nos.
- ‡ Pneumatic grinders 2 Nos.
- ‡ Pneumatic chippers (weld flux type) 2 Nos.
- ‡ Gauging machine 630 A 1 No.
- ‡ Welding rectifiers 400 A 2 Nos.

**OTHER MACHINERY**

- ‡ 30 HP screw compressor 1 No.

**TESTING EQUIPMENTS**

- ‡ SAND TESTING
  - A) Sieve shaker 1 Set
  - B) Universal strength tester 1 No.
  - C) Permeability tester 1 No.
  - D) Gas determinator 1 No.
- ‡ Scratch hardness tester (for checking mould hardness) 1 No.
- ‡ B4 Cup (for checking mould paint viscosity) 1 No.
- ‡ Portable pyrometer (Dip type) 1 No.
- ‡ Static pyrometer (Dip type) 1 No.
- ‡ Universal testing machine 40 T capacity 1 No.
- ‡ Impact testing machine 1 No.
- ‡ Metallurgical microscope (with software attachment) 1 No.
- ‡ Magnetic crack detector 1 No.
- ‡ Ultrasonic testing machine 1 No.
- ‡ Hydraulic pressure testing machine 1 No.
- ‡ Brinell hardness tester (Hydraulic) 1 No.
- ‡ Polishing machine for specimen preparation for metallography 1 No.
- ‡ *Bruker make CPMT Base optical emission spectrometer Columbus Q6 with facility of checking 21 elements (in Fe base) & 17 elements (in Ni base) including nitrogen capable of testing all Fe & Ni base alloys*

**MACHINE SHOP**

- ‡ CNC turning Centre 1 No.
- ‡ Radial drilling machine 1 No.

**MEASURING INSTRUMENTS**

- ‡ Digital Vernier caliper 12",24" each. 1 No.
- ‡ Digital height gauge 24" 1 No.
- ‡ Steel scales 12", 24", 36" each 1 No.

**METAL HANDLING**

- ‡ 40 Kg capacity tea-pot ladle 4 Nos.
- ‡ 60 Kg capacity tea-pot ladle 2 Nos.
- ‡ 1000 Kg capacity tea-pot geared laddle 1 No.
- ‡ 300 Kg capacity tea-pot laddle 1 No.
- ‡ 500 Kg capacity tea-pot laddle 1 No.

**MATERIAL HANDLING**

- ‡ 1 T Hydraulic pallettruck 1 No.
- ‡ Fork lift 2 T capacity 1 No.

**OTHER FACILITIES**

- ‡ In-house radiography testing facility with operating room, dark room and film viewer. Radiography is done by external agency with IR 192 source- gamma ray radiography

**GRADES MANUFACTURED**

We shall manufacture casting as per following grades.

**A) Plane carbon steels**

Confirming to IS 1030, 2707,2708,  
BS 970  
ASTM A 216,217

**B) Low alloy steels**

Confirming to  
ASTM A 487  
IS 4896  
DIN 25CrMo4, 42CrMo4  
BS EN 351

**C) High alloy steels**

Confirming to IS 276, 4522  
ASTM A 351/744,297,128  
GX120Mn13

**D) Alloy irons**

Confirming to IS 4771  
ASTM A 532

**E) Ni Base alloys**

Such as Hastelloy B & C etc

**PRODUCT RANGE**

Min. 25 Kg/Pc  
Max. 1 Ton/Pc

**ITEMS PROPOSED TO BE MANUFACTURED**

- ‡ Agricultural equipment spares
- ‡ Mining machinery spares (Jaw crushers, Impact crushers, Cone crushers, Hammer mills etc.)
- ‡ Excavator spares (Tooth tips, Adaptors, Sprockets, Idlers etc)
- ‡ Liner castings for cement plants & concrete mixers.
- ‡ All types of Valve bodies (Gate, Globe, Check, butterfly etc.)
- ‡ Pump Castings And Spares

**ANNUAL CAPACITY**

- ‡ 2000 MT

**Total plot area**

- ‡ 8100 Sq. M.

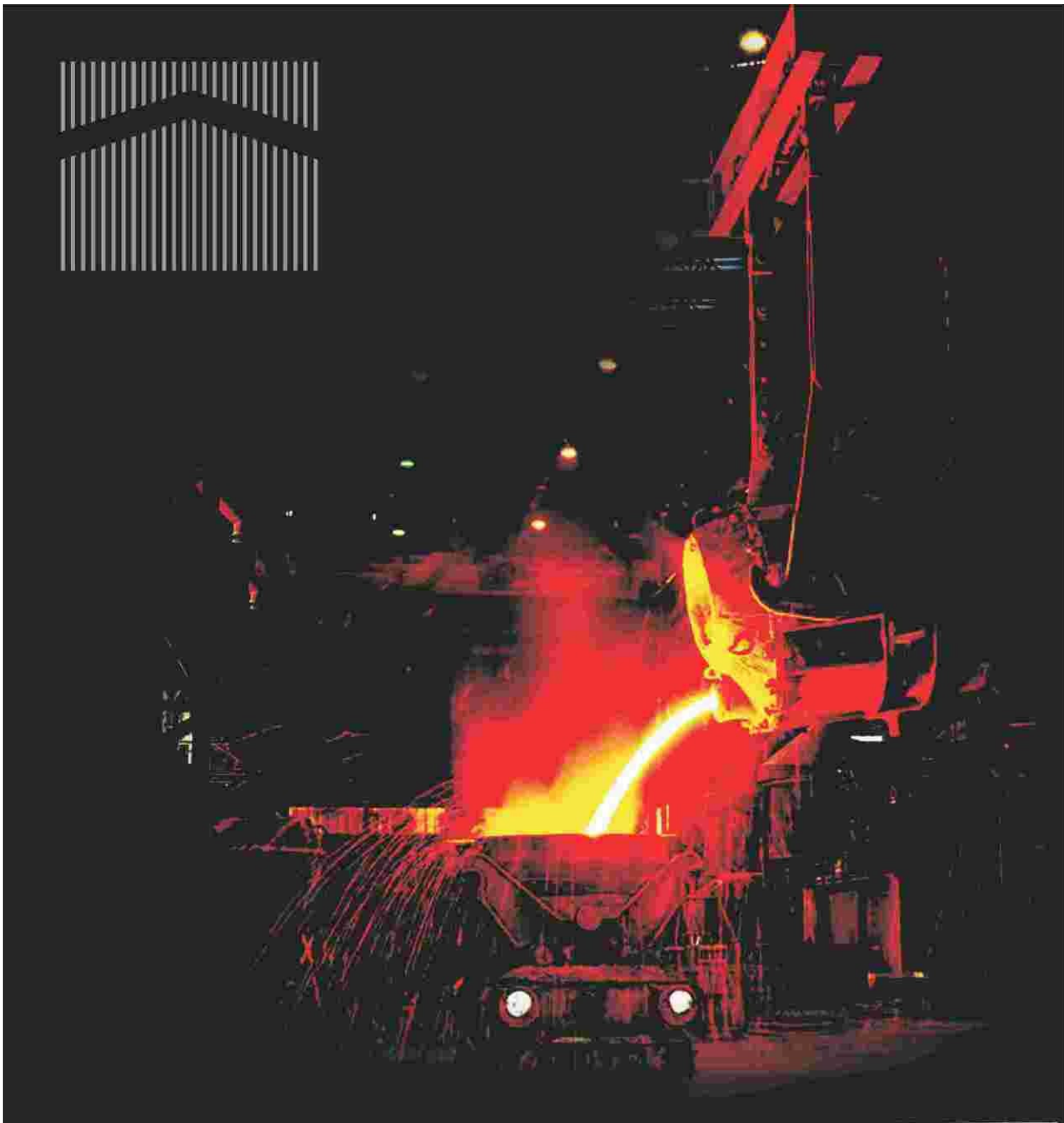
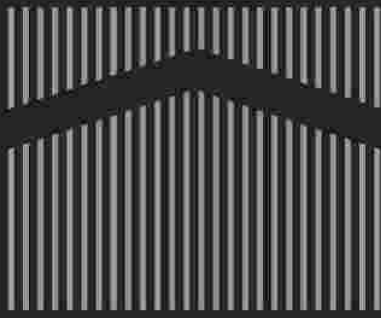
**Covered area**

- ‡ Plant -1650 Sq.m.

**Office + Lab.**

- ‡ 450 Sq.M.





## HALLMARK METALS PVT. LIMITED

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