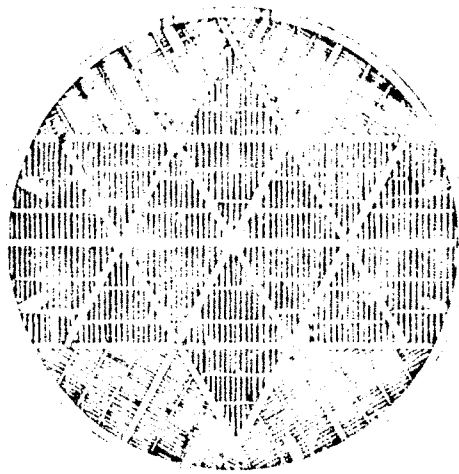
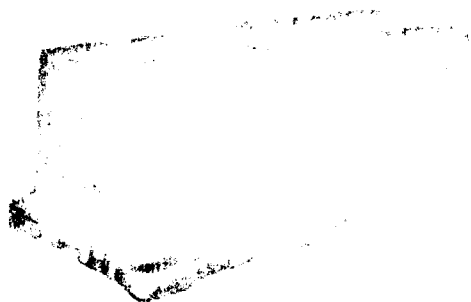
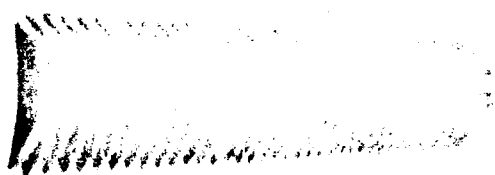


Chapter I



: CHAPTER-III :

PROFILE OF THE COMPANY

- i) Introduction**
- ii) Factory Location**
- iii) Products**
- iv) Financial Results**
- v) Research & Development**
- vi) Organisation chart.**

INTRODUCTION :

For quite a long time, Kolhapur is a developing industrial city in South Maharashtra. Different industries are located in different parts of the city, Shivaji Udyam-nagar, Subhash Road, Mangalwar Path, Khasabag, Bagal Chauk, Shahu Road, Rajaram Road, Laxmipuri, Gavat Mandai, Vikram-nagar, M.I.D.C., Shirol, Javahar-nagar, Y.P.Power-nagar, Shaniwar Path, Shastrinagar, Pratibha-nagar.

Majority of the industries in Kolhapur are small scale units & most of them are metal, foundry & engineering goods manufacturing units plus job work units. They are located in Shivaji Udyam-nagar. I have selected 'Yashwant Iron & Steel Works Ltd, Kolhapur, for survey. The survey has revealed the following features of the units.

YASHWANT IRON AND STEEL CO.,LTD.

General :

Yashwant Iron & Steel Works Ltd., a public Ltd. company was registered at Kolhapur on 9th August 1946. With the main objectives of manufacture of

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Mechanite casting, sugar mill pumps & structural fabrication.

Factory Location :

It is a very well designed & furnished factory situated in Shivaji Udyam-nagar area of Kolhapur city where a large number of units stand.

The Company has a well established foundry with an installed capacity of 1000 M.T. of casting per annum on one shift basis & a big machine shop & an assembly shop well furnished departments use of scientific approach, techniques in all activities, awareness of quality & economy at all levels distinguishes this company from many other bigger units in & around Kolhapur.

Products :

Mechanite casting which is the (metal) registered trade mark. Of a number of high duty irons, each having a different combination of physical properties that make it exactly suitable for a specific need.

Various grade of mechanite which are produced at present.

CHART FOR SELECTION OF FLEXIBLE COUPLINGS

* Chart No. 2 *

SIZE OF COUPLINGS	* 140 mm Medium Duty.	* 190 mm Medium Duty.	* 190 mm Heavy Duty.	* 280 mm Medium Duty.	* 280 mm Heavy Duty.	* 420 mm Medium Duty.	* 490 mm Heavy Duty.	* 650 mm Heavy Duty.
Maximum Bore diameter	30 mm	50 mm	50 mm	80 mm	80 mm	124 mm	124 mm	150 mm
Normal H.P. per 100 R.P.M.	1	4	8	18.5	37	65	130	170
Maximum R.P.M.	4400	3000	3000	2000	2000	1390	1390	1270
Number of pins	3	4	8	5	10	6	12	14
Rubber cone rings per pin	3	3	3	4	4	4	4	4

GRADES OF C.I. CASTINGS MANUFACTURED AND THEIR PROPERTIES :

: Chart No. 1 :

TYPE OF CASTING		Equivalent Mechanite Grade.	Min. Casting Section in mm	Tensile Strength kg/mm ²	Brinell Hardness	Application
A) General Engineering	I.S. 210 Grade	GE	4	20	170 & upwards	Bed plates, Machine Frames.
	20	GD	6	25	180 & upwards	Pump Bodies, Crank cases.
	25	GC	8	30	195 & upwards	Machine tool parts, Pipes, Cylinders
	30	GB	10	35	220 & upwards	Cylinders, Pistons, Valves.
B) Heat Resisting type	I.S. 3355	Special ME	5	21	170-190	Suitable for Thermal shock machinable.
	For 600° C	MD	8	25	230 & upwards	Difficult to machine Resists corrosion.
	For 800° C	MR	10	28	350 & upwards	Unmachinable except for Heavy Sections, Resists corrosion chemical plant parts.
C) Corrosion Resisting types.		CBX	12	30	200-230	Acid contact parts, Highly corrosion resistant.
		WBC	10 mm	35	450 & above in chilled area	The base metal is cast against chill. Mill Liners, Jaws, Dies.
D) Wear Resisting type	Chilled	WA	10 mm	32	230 & upwards	Higher Hardness can be achieved by Heat treatment Slurry pipes, Rollers, Wheels, Drums.
	Unchilled					

Spare Parts of Different Industries :

- (i) Sugar mills
- (ii) Chemical Industries.
- (iii) Machine Tools.
- (iv) Printing Machinery.

Sugar Mill Pumps :

- 4"x4" Molasses pump.
- 6"x6" Molasses pump.
- 6"x6" Magma pump.
- 9"x9" Magma pump.

FINANCIAL RESULTS :

The company has earned a net profit of Rs.1,05,067.43 during the year under review after providing for depreciation Rs.1,45,137.84, investment allowance Rs.66,813.00 minimum remuneration & perquisites for the Managing Director Rs.32,854.60 for taxation Rs.1,12,000.00 & for Bonus to workers & staff Rs. 1,71,856.65.

	Current year.	Previous year.
Net profit as above	Rs. 1,05,067.43	Rs. 87,513.50
Adding thereto		
1. Balance brought forward.	Rs. 10,651.81	Rs. 10,728.31
	<hr/>	<hr/>
	Rs. 1,15,719.24	Rs. 98,241.81
2. Less: Short provision for taxation.	Rs. 5,631.00	Rs. 22,242.81
	<hr/>	<hr/>
	Rs. 1,10,088.24	Rs. 98,241.81
	<hr/>	<hr/>



From which the Direction recommend the following distribution.

1. For General reserve	Rs. 20,000-00	Rs. 15,000-00
2. For payment of Dividend @ 30% p.a. on 21,036 Equity shares of Rs.10/- each subject to deduction of tax for the year 31st December 1982.	Rs. 63,108-00	Rs. 52,590-00
3. Reserve for bad & doubtful debts.	--	Rs. 20,000-00
4. Balance carried forward to next year's account	Rs. 26,980-24	Rs. 10,651.81
	<hr/>	<hr/>
	Rs. 1,10,088-24	Rs. 98,241.81
	<hr/>	<hr/>

PRODUCTION AND SALES :

The current gross sales of the company are Rs.58,84,851.59 as against Rs. 43,27,863.07 in the preceding year And workshop Receipts are Rs.2,60,109-00 as against Rs. 2,33,648.35 in preceding year.

MACHINERY PURCHASED DURING THE YEAR :

During the year under Report the Company has purchased M.K.Make Bombay Lathe, Crane. Laddle,

**Portable Blower Core Hardness Tester & Hardness
Testing Machine.**

RESEARCH AND DEVELOPMENT :

There is much progress in the development & research of medium size machine tools of international standard made by M/s Mechanical Engineering Research & development organisation, Pune. All the designs are now ready & are at the final stage.

Board of Directors :

Shri. M.B. Lohia, Kolhapur, Chairman

Shri. V.M. Ghatge, Kolhapur.

Shri. M.A. Kariger, Solapur.

Smt. R.R. Samani, Kolhapur.

Shri. H.R. Samani, Kolhapur.
M.D.

Shri. K.M. Shah, Ichalkaranji.

Mrs. N.H. Samani, Kolhapur.

ORGANISATION CHART (Chart No.3)

Yashwant Iron & Steel Co.Ltd.

