



**A P P E N D I C E S**

**APPENDIX - I****LIST OF THE UNITS SURVEYED****A) Diesel Engine Manufacturing Units**

- 1) August Engineering Works
- 2) M/s. B.S.P. Engineering Works
- 3) Doshi Diesels
- 4) E.D.Steel Private Ltd.
- 5) Gadre Industries
- 6) Gajendra Industries
- 7) Golden Engineering Works
- 8) Kolhapur Auto Works
- 9) Laxmi Industries
- 10) New Star Engineering Corporation
- 11) New Ganesh Engineering Works
- 12) Rocket Engineering Corporation Private Limited
- 13) Sawant Oil Engines
- 14) S.M. Karajgar Engineering Works
- 15) Vishwas Oil Engine Works
- 16) Vijaya Engineering Works
- 17) Vijan Industries

**B) Diesel Engine Component Manufacturing Units :**

1. Alfa Industries
2. Ashok Engineering Works
- 3) A.H. Momin and Sons
4. Amit Engineering Works
5. Anand Engineering Works
6. Budhale and Budhale
7. Bharat Engineering Works
8. Bharat Cam Industries
9. B.B. and K. Engineering Works
10. Crank Enterprises
11. D.B. and Sons
12. Deepak Industries
13. Eloquent Engineering Design Private Limited
14. Gajendra Industries
15. Jai Bhawani Industrial Works
16. Jinendra Industries
17. Krishna Industries
- 18 K.B.K. Engineering Works
19. Metalurgy Collaboration
20. Mukund Industries
21. Mangal Engineering Works
22. Moghe Engineering Works
23. M. Kumar Engineering Works
24. Padmawati Engineering Works
25. P.K. Enterprises
26. Pol Metal Industries

27. Pragati Metal Works
28. Patil Enterprises
29. R.R. Metal Works
30. Rajendra Industrial Works
31. Satwekar Engineering Works
32. Sacheen Enterprises
33. Sultane Engineers
34. Sarnaik Engineering Works
35. Shivaji Industrial Works
36. Trimurti Industries
37. Trio Enterprises
38. Udyam Engineering Works
39. Unity Metal Works
40. Vandana Industrial Agency
41. Verstatile Engineers
42. Vilas Engineering Works
43. Vishal Industries

QUESTIONNAIRE FOR THE UNITS TO BE SURVEYED

I. Primary Information :

1. Name of the unit :
2. Date of establishment :
3. Name of the owner :
4. Organisation :

No.	Original Organisation	First change in organisation (in year)	Reason for change	Second Chance in organisation (In year)	Reason for change
1.	Proprietary				
2.	Partnership				
3.	Family Partnership				
4.	Private Limited				
5.	Public Limited				

5. Educational Qualification :

No. Qualification

1. Uneducated
2. Primary
3. S.S.C.
4. 11/12th
5. Engineering Diploma
6. Engineering Graduate
7. ITI
8. Any other special qualification

II. Production :

1) Machinery used

No.	Name of Machine	Batala type	Rajkot type	Kirloskar type	HMT type	Other
1.	Lathe					
2.	Milling Machine					
3.	Shaping Machine					
4.	Plating Machine					
5.	Cylindrical surface grinder					
6.	Drilling Machine					
7.	Radial drilling machine					
8.	Power press					
9.	Hydraulic press					
10.	Boring machine					
11.	Special purpose machine					

2) Raw Material :

Sr.No.		Quantity required per month	Supplier
1.	Mild steel		
2.	Casting		
3.	Forging		
4.	Sheet Metal		
5.	Hardware		
6.	Others		

## 3) Problem in getting Raw Material :

Problems	Priority	Reasons
1. Shortages		
2. High cost		
3. Uncertain supplies		
4. Poor quality		
5. Other Problems (Specify)		
6.		
7.		

III Finance :

1)	At year of establishment	At Present
----	--------------------------	------------

Capital invested

Fixed Assets.

Variable assets.

2)	Source of Finance	Percentage
----	-------------------	------------

1. Own
2. From friends and/or relatives
3. From sale of Assets
4. Profit Ploughed back.
5. Banks.

## 3) Financial Problems

Priority

- 
- i) Inadequate funds  
 ii) Lack of knowledge of financial assistance provided by banks and Government.  
 iii) Difficulties in getting loans.
  - a) High rate of Interest
  - b) High <sup>er</sup> security
  - c) Late sanction
  - d) Inadequate working capital
- iv) Overdue payments.
- 

## 4) Cost of Production

---

Year	Value of Engines produced
1970	
1975	
1980	
1985	
1986	
1987	
1988	

---



5) Cost of good (In 1987/88) Percentage

---

1. Iron
  2. Machine charges
  3. Melting expenses
  4. Labour charges
  5. Transport
  6. Overheads
  7. Sundry
  8. Advertisement
  9. Others
  10. Profit
- 

IV. Market

1. Annual Sale (Value)	Type of Engine	Capacity
---------------------------	----------------	----------

---

2. Market sale outlet	Percentage
-----------------------	------------

---

Sole

Agent

Dealer

Stockist

Direct

Sale

3) Value of sale in 87-88

1. Within Kolhapur
2. State
3. National level
4. Foreign

4) Problems Priority

---

1) Competition

Poor design

Lack of standardization

Lack of service after sales

Poor Quality

Ignorance of potential

Market

Unremannuriative price

Late payment

Other Problems

---

V. Labour

1. Number of labour employed :

Type of labour	Year 1987-88
	Actual Number
	Wages per month
A) Skilled	
B) Semi-skilled	
C) Un-skilled	

---

2) Problems

---

1) Absenteesm

Late reporting

Low speed

---

VI)

1) Future Plan :

1. Capacity enhancement

2. New market

3. Change in production.

2) Suggestions :