PROJECT PROFILE ON MOBILE PHONE REPAIRING CENTRE

SERVICE CAPACITY : 7,000 Units (Per annum)

Value : Rs. 19,00,000/-

YEAROF PREPARATION : 2020-21

PREPARED BY :

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1. INTRODUCTION

With the advancement of technology, varieties of Mobile Phones with a lot of features are being introduced in the market every day and more and more Multi-national companies are entering this field. Mobile set are now a day's considered as integral part of human life cycle. The responsibility to provide after sale service lies with the supplier. However, adequate facilities are not available in many Urban or Remote areas for servicing of these electronic products. The mobile repair centre is a profitable venture to cater to the need of the public.

2. MARKET POTENTIAL

Consumer electronic industries constitute the largest part of the electronic hardware sector. Now that the consumer electronic technology has changed the society to such a way that there is no person even in the remote area without an electronic product like mobile set. These Mobile Phones are prone to damage due to fluctuation in electricity, in proper handling and failure of component etc.. The service facility from the supplier is not adequate. Therefore, the Mobile Phone Repairing Centre has a good market potential to serve people.

3. BASIS AND PRESUMPTIONS

i. The Scheme is prepared on the basis of single shift working 300 days in a year on 75% efficiency. However calculations are made on 100% efficiency.
ii. Maximum one-year period is envisaged for achieving full capacity Utilization.
iii. Wages are based on the prevailing wages in the Delhi State.
iv. Interest on loan is taken as 13% on an average.
v. Margin money is taken as 25%.
vi. Estimated life of the project is about 7 } ears and the normal loan repayment period is about 5 years.
vii. Cost of the machine has been taken on the biqsis of current market rate at the Anne of preparation of Scheme.
viii. Prices of raw materials are taken on the basis of current market rate at the time of preparation of Scheme.
ix. Rental charges have been considered as per rates prevailing in the area of Delhi.

4. IMPLEMENTATION SCHEDULE

Six Months are required from the project preparation to actual commercial. Activities for the provisional registration with Commissioner of Industries/ DIC & others.

5. TECHNICAL ASPECTS

5.1. Modalities of Services

As there is not any defined procedure for repairing of mobile hand set available at present. The repairing of mobile hand set usually depends on the brand k model no. of handset due to different design concept used by companies in manufacture and fast technological changes in era of mobile technology. Minor fault may be rectified with little experiences however major fault repairing require knowledge and experience both. The repairing basically consists of hardware & Software repairing. Hardware faults may rectified either by replacing the PCB module in which fault occurred or by identify the section inside the PCB module where the fault occurred and replace the faulty SMD components / Chips/ Microprocessor. The software fault may rectified by using standard software CD for particular brand and model no., cable & a complete computer with appropriate software package.

5.2. Quality Specifications

Quality of a product plays a vital role in survival and growth of an industry. Quality control in the repairing of mobile phone in view the risk involved in using the substandard items.

5.3. Service Capacity

S.No	Repair Details	Repair / Year (Annum)	Approx. Rate (Rs.)	Value (Rs.)
1.	Minor repair	4,000	150/-	6,00,000
2.	Small repair	2,000	250/-	5,00,000
3.	Major repair	1,000	800/-	8,00,000
	Total	**7,000**		**19,00,000**

5.4. Approximate Power Requirement: 5 KW

5.5. Pollution Control

The Repairing/ Servicing Process of mobile phones do not pose any problems for pollution hence there is no need to install the pollution control equipments.

5.6. Energy Conservation

The following steps may help for conservation of electrical energy:

i. Adoption of energy conserving technologies, Repairing/Servicing aids and testing facilities.
ii. Efficient management of Repairing/ Servicing Process and systems, QC and

testing equipments for yielding maximum Energy Conservation.

iii. Optimum use of electrical energy for heating during soldering process can be obtained by using efficient temperature controlled soldering and de soldering stations.

iv. Use switching on-off of the lights; use of compact fluorescent lamps wherever possible etc.

6. FINANCIAL ASPECT

6.1. Fixed Capital

Land & Building: Built up area of 100 Sq. meters on Rent A As. 100/- per Sq. meter Rs.10,000 P/M

6.1.1. Machinery and Equipments

S.No.	Description	Quantity (Nos.)	Value (Rs.)
1.	Soldering Iron	02	400
2.	Micro Iron With Temp Controller	02	400
3.	Stencils Sets	01	400
4.	Lamp With Magnifier	01	500
5.	Screw Driver Sets	02	500
6.	SMD (Hoko Machine)	01	3,300
7.	Cutter	02	100
8.	Blade Handle	02	100
9.	Blades - Surgical	01	100
10.	Supply Machine	01	2,500
11.	Digital Multimeter	02	1,400
12.	PCB Holder	02	100
13.	Mobile Opener	01	200
14.	Power Supply	02	2,000
15.	Mobile Software Box (Assorted)	02	80,000
16.	Miscellanies Tools & Leads	LS	20,000
	Sub Total	**1,12,000**	

Electrification & Installation charges @ 10% of the cost of Tools/ Machinery & Testing Equipments	11,200
Cost of Office equipments, furniture, working Table & Computer/ Laptop etc.	1,50,000
Pre-operative expenditure	29,000
Total	**3,02,200/-**

6.2. Working Capital (per month)

6.2.1. Personnel

Sl.No	Designation	No.	Total Salary (Rs.)
1.	Skilled Workers	2	42,000
2.	Semi- Unskilled workers(Helper)	1	19,000
3.	Accountant cum Office Assistance-Part Time	1	6,000
		Sub Total	**67,000**

Perquisites @ 15% of the salary 10,050

Total 77,050

Say Rs. 77,000/-

6.2.2. Raw Materials

Sl. No.	Items	Qty.	Rate (Rs.)	Value (Rs.)
1.	Tin Soldering Wire	5	120	600
2.	Desoldering Wire	4	100	400
3.	Jumped Wire (Pack= l0Nos)	5	40	200
4.	PPD Paste (Pack=l0Nos)	5	120	600
5.	White Paste (Pack= l0Nos)	5	100	500
6.	White Petrol (Pack—10 Nos)	10	200	2,000
7.	Min Cream (Pack=l0Nos)	5	100	500
8.	Lamination Sheet (Pack —10 Nos)	5	100	500
9.	Charging Jack (Pack — l0Nos)	5	200	1,000
10.	Ear Phone Jack (Pack= 10 Nos)	5	200	1,000
11.	Speaker Universal (Pack= 10 Nos)	5	200	1,000
12.	Ringer Universal (Pack= 10 Nos)	5	200	1,000
13.	Integrated Circuit - IC (Pack= 10 Nos)	5	200	1,000

14.	Display	10	400	4,000
15.	Mic (Pack=10nos)	5	120	600
16.	Touch	10	500	5,000
17.	Books/Magazine for Latest Technology	2	200	400
			Total	**20,300**

6.2.3. Utilities

a) Power: 200 Units A Rs. 8 / Unit + Other fixed charges Rs. 5,000
b) Water Rs.1000

Total **Rs. 6,000**

6.2.4. Other Contingent Expenses

1. Rent Rs. 10,000
2. Postage & Stationery Rs. 2000
3. Telephone/ Internet/ Mobile Rs. 3,000
4. Advertisement, Publicity & Sales expenditure Rs. 3,000
5. Consumable Stores Rs. 2000
6. Transport Charges Rs.3,000
7. Miscellaneous Expenses Rs. 3,000

Total **Rs. 26,000**

6.2.5. Total Recurring Expenditure (per month) **Rs. 1,44,300/-**

6.3. Total Capital Investment

Total Fixed Capital **Rs. 3,02,400**
Total Working Capital (for 3 months) **Rs. 4,32,900**

Total **Rs. 7,35,300/-**

8. FINANCIAL ANALYSIS

7.1. Cost of Operation (per annum)

Sl. No.	Descriptions	Value (Rs.)
1.	Total Recurring Cost	7,35,300
2.	Depreciation on Machinery & Equipment A 10%	29,000
3.	Interest on capital investment A 13 % P A	95,600
	Total	**Rs. 8,60,000/-**

7.2. Turnover (per annum)

Sl.No	Repair Details	Repair/ Year	Approx. Rate (Rs)	Value (Rs.)
1.	Minor repair	4,000	150/-	6,00,000
2.	Small repair	2,000	250/-	5,00,000
3.	Major repair	1,000	800/-	8,00,000
	Total	**7,00019,00,000**		

7.3. Net Profit (per annum)

= Turnover - Cost of Operation (19,00,000 - 8,60,000)

= Rs. 10,40,000/-

7.4. Net Profit Ratio

$$= \frac{\textbf{Net profit per year}}{\textbf{Turnover per year}} \times 100$$

= 54.7 %

7.5. Rate of Return

$$= \frac{\textbf{Net profit per year}}{\textbf{Total Capital Investment}} \textbf{ X 100}$$

= 141.5%

7.6. Break-even Point

Sl.No.	Fixed Cost (Per Annum)	Value (Rs.)
1.	Depreciation on Machinery & Equipment	11,200
2.	Rent	1,00,000
3.	40% of Salaries	3,84,000
4.	Interest on total investment	95,600
5.	40% of Contingent Expenses	76,800
		Total 6,31,600/-

B.E.P

$$= \frac{\textbf{Fixed Cost}}{\textbf{Fixed Cost + Net Profit}} \textbf{X 100}$$

= 22.5 %

Name & Addresses of Machinery & Equipment and Raw-Material Suppliers:

1. M/s. Noble Electronics,

   354, Lajpat Rat Market, Delhi – 110006.

2. M/s. Krishna Telecom, Ganpati Plaza,

   Karol baugh New Dellu – 110005.

3. M/s Sai Telecom, S

   Shop no-4, Bawa Plaza, Opp MCD Market, Karol Bagh, N.D -5

4. M/s Accessoroes Point,

   13/ 35 Shop no- 19, Gr Flr, Opp gaffer Market, Karol bagh, New Delhi – 110005.

5. M/s. Modern Electronic Works

   E-5, E-6, DSIDC Complex, Welcome Colony, Seelampur – III, New Delhi – 110053.

6. M/s. VistelCompnents

   40, Gali No.- 13, Railway road, Samaypur, New Delhi – 110042.

7. M/s. Royal Telecom

   B – 11, Reagent Mall, Gaffar Market, Karol bagh, New Delhi – 110005.

8. M/s. Arora Mobile Solutions

9. G-8, Reagent Mall, Gaffar Market, Karol bagh, Ne**w Delhi – 110005**