Pre-Feasibility Study Jewellery Polishing Unit





Pakistan Gems and Jewellery Development Company A subsidiary of Pakistan Industrial development Corporation Ministry of Industries & Production, Government of Pakistan A Company setup under section 42 of Companies' Ordinance 1984



Gems & Jewellery Training and Manufacturing Centre Plot No. 15, Street No. SB-5, Opp Bliss Shopping Centre, Zaib-un-Nisa Street, Saddar, Karachi. Phone No. 021-35220294-5 E-mail: gjtmc-khi@pgjdc.org

<u>Gilgit</u>

Gems & Jewellery Training and Manufacturing Centre Zakir Complex, Shahrah-e-Quaid-e-Azam, Opp. New Secretariat, Gilgit Baltistan 15100, Jotial Gilgit Tel: 05811-920537-9 E-mail: gjtmc-glt@pgjdc.org

<u>Lahore</u>

Gems & Jewellery Training and Manufacturing Centre 3rd Floor, Rana Centre, 18 Jamaluddin Afghani Road, Maclagan Road, Lahore Tel: 042-37248515-16 E-mail: gjtmc-lhr@pgjdc.org

Peshawar

Gems & Jewellery Training and Manufacturing centre Opposite Imperial Store, Saddar, Cantt Bazaar, Peshawar Phone No: 091-5286115-6 E-mail: gjtmc-pwr@pgjdc.org

<u>Quetta</u>

Gems &Jewellery Training and Manufacturing centre Malik Plaza 1st Floor, Main M.A Jinnah Road, Quetta Phone No: 081-2824221-23 E-mail: gjtmc-qta@pgjdc.org

Sargodha

Gems & Jewellery Training and Manufacturing Centre 98-A, Bahadur Shah Zafar Road, Opp. Jamia Girls School, Sargodha. Phone No.: 048-3724451-2

<u>Muzaffarabad, AJK</u>

Gems & Jewellery Training and Manufacturing Centre Khawaja Plaza near Darbar Shah Inayat, Muzaffarabad, AJK Phone No.: 058-22923166



Table of Contents

| 1. DISCLAIMER | |
|---|----|
| 2. PURPOSE OF THE DOCUMENT | 4 |
| 3. INTRODUCTION TO PGJDC | 4 |
| 4. INTRODUCTION TO SCHEME | |
| 5. EXECUTIVE SUMMARY | 5 |
| 6. BRIEF DESCRIPTION OF PROJECT & PRODUCT | 5 |
| 7. CRITICAL FACTORS | |
| 8. INSTALLED AND OPERATIONAL CAPACITY | 5 |
| 9. GEOGRAPHICAL POTENTIAL FOR INVESTMENT | 6 |
| 10. POTENTIAL TARGET MARKETS | 6 |
| 11. PRODUCTION PROCESS FLOW | 6 |
| 12. PROJECT COST SUMMARY | |
| 12.1. PROJECT ECONOMICS | 7 |
| 12.2. PROJECT FINANCING | 7 |
| 12.3. PROJECT COST | 7 |
| 12.4. SPACE REQUIREMENT | 8 |
| 12.5. MACHINERY AND EQUIPMENT | 8 |
| 12.6. CONSUMABLES AND RAW MATERIAL | |
| 12.7. FURNITURE AND FIXTURES | |
| 12.8. HUMAN RESOURCE REQUIREMENT | 9 |
| 12.9. REVENUE GENERATION | 9 |
| 12.10. OTHER COSTS | 9 |
| 13. KEY ASSUMPTIONS | 10 |
| 14. ANNEXURE | |
| 14.1. INCOME STATEMENT (ANNEXURE 1) | |

14.2 STATEMENT OF CASH FLOW (ANNEXURE 2)

14.3 BALANCE SHEET (ANNEXURE 3)

1. Disclaimer:

This information memorandum is to introduce the subject matter and provide a general idea and information on the subject. Although, the material included in this document is based on data/information gathered from various reliable sources; however, it is based upon certain assumptions which may differ from case to case. The information has been provided on, as is where is basis, without any warranties or assertions as to the correctness or soundness thereof. Although, due care and diligence has been taken to compile this document, the contained information may vary due to any change in any of the concerned factors, and the actual results may differ substantially from the presented information. PGJDC, its employees or agents do not assume any liability for any financial or other loss resulting from this memorandum in consequence of undertaking this activity. The contained information does not preclude any further professional advice. The prospective user of this memorandum is encouraged to carry out additional diligence and gather any information which is necessary for making an informed decision; including taking professional advice from a qualified consultant/technical expert before taking any decision to act upon the information.

For more information on services offered by PGJDC, please visit our website: www.pgjdc.org.



2. Purpose of the Document:

The objective of the pre-feasibility study is primarily to facilitate potential entrepreneurs in project identification for investment. The project pre-feasibility study may form the basis of an important investment decision and in order to serve this objective, the document/study covers various aspects of project concept development, start-up, production, marketing, finance and business management.

The purpose of this document is to facilitate potential investors in setting up a Jewellery Polishing Unit by providing them a general understanding of the business with the intention of supporting potential investors in crucial investment decisions.

The need to come up with pre-feasibility reports for undocumented or minimally documented sectors attains greater imminence as the research that precedes such reports reveals certain thumb rules; best practices developed by existing enterprises by trial and error, and certain industrial norms that become a guiding source regarding various aspects of business set-up and it's successful management. Apart from carefully studying the whole document, one must consider critical aspects provided later on, which form basis of any Investment Decision.

3. Introduction to PGJDC:

Pakistan Gems and Jewellery Development Company (PGJDC) was established in 2006 as a subsidiary of Pakistan Industrial Development Corporation, working under the Ministry of Industries & Production, Government of Pakistan. The charter of the Company is to enhance the value chain productivity of gems and jewellery industry of Pakistan from Mine to Market. The Company aims to enhance exports through facilitation, technology up-gradation, skill development and marketing/branding initiatives. Its aim is to establish Pakistan as a high value added, internationally competitive, world class hub for precious stone cutting and jewellery manufacturing by means of supporting the value chain and ancillary trades.

PGJDC has designed this pre-feasibility study to facilitate the entrepreneurs related to Gems & Jewellery sector of Pakistan by providing technical advice to them so that they could establish their Gems & Jewellery related businesses.

4. Introduction to Prime Minister's Youth Business Loan Scheme:

'Prime Minister's Youth Loans' Scheme, for young entrepreneurs, with an allocated budget of Rs. 5.0 Billion for the year 2013-14, is designed to provide subsidized financing at 8% mark-up per annum for one hundred thousand (100,000) beneficiaries, by designated financial institutions, initially through National Bank of Pakistan (NBP) and First Women Bank Ltd. (FWBL).

Loans from Rs. 0.1 million to Rs. 2.0 million with tenure up to 8 years inclusive of 1 year grace period, and a debt: equity of 90: 10 will be disbursed to SME beneficiaries across Pakistan, covering; Punjab, Sindh, Khyber Pakhtunkhwa, Balochistan, Gilgit Baltistan, Azad Jammu & Kashmir and Federally Administered Tribal Areas (FATA).

5. Executive Summary:

The most ideal locations for setting up a Jewellery Polishing Unit are the Jewellery hubs of the Country, such as, Karachi, Lahore, Hyderabad, Sukkur, Multan, Faisalabad, Peshawar, Quetta, Sargodha and Islamabad/Rawalpindi, however, these units can also be established in smaller cities, towns and villages. The Jewellery markets of these areas will offer maximum consumption of the polishing services offered through these units.

The proposed unit will offer services in terms of Jewellery Polishing and will have the capacity to polish approximately 600,000 grams of jewellery articles per year at the rate of Rs. 2 per gram. In the first year of operation, the unit would run on 60% of the total production capacity. The total cost of the project is Rs. 0.300 Million, with capital cost of Rs. 0.156 Million and yearly operating expenses of Rs. 0.144 Million. The success of the project will depend mainly on the following:

- Craftsmanship and expertise of the polishing workers.
- Regular orders from customers.
- Delivery of orders on time.
- Quality of Polishing.

6. Brief Description of Project and Product:

- **Technology:** The proposed unit will require latest polishing equipment including buff polishing machines, drum polishing machines etc.
- Location: The most ideal locations for setting up a Jewellery Polishing unit are the Jewellery hubs of the Country including Karachi, Lahore, Hyderabad, Sukkur, Multan, Faisalabad, Peshawar, Quetta, Sargodha and Islamabad/Rawalpindi, however, these units can also be established in smaller cities, towns and villages.
- **Product:** The unit will produce polished jewellery articles as per the customer requirement.
- **Target Market:** The potential target markets are the jewellery hubs of the country.
- **Profitability:** The proposed unit will be able to earn profit from the first year of its operation.
- **Marketing:** The finished products can be marketed through different means of conventional as well as online marketing. Websites, E-Commerce portals and social media platforms will be the ideal tools for marketing the finished products.

7. Critical Factors:

Regular orders from customers will be the main factor for the successful running of the polishing unit. In order to make the business successful, following factors must be kept in mind:

- Delivery in time as per the entire satisfaction of customers.
- Quality of polishing.

8. Installed and Operational Capacity:

The installed capacity shall be 600,000 grams of jewellery articles per year. The project will run with approximately 60% capacity in first year of its operations with annual increase of 3% in production.

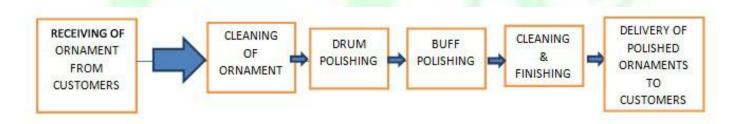
9. Geographical potential for Investment:

The jewellery polishing unit is proposed to be set up near the Jewellery hubs of the Country, so that close interaction could be developed with the Jewellery manufacturers and shops. Jewellery markets in the cities of Karachi, Lahore, Islamabad/Rawalpindi, Hyderabad, Sukkur, Multan, Sargodha, Peshawar, Quetta and Faisalabad are ideal locations for setting up this business, however, these units can also be established in smaller cities, towns and villages.

10. Potential target Markets:

The services of jewellery polishing by the proposed unit will be offered to the local Jewellery manufacturers and shops. The customer demand will be fulfilled by processing their orders as per their requirements.

11. Production Process Flow:



Jewellery Polishing Unit will basically provide services to Jewellery Manufacturing industry. Jewellery made out of Gold and Silver will be polished and finished by using various polishing equipment at this unit.



12. Project Cost Summary:

This section outlines the financial model to analyze the commercial viability of the jewellery polishing unit. It contains various cost and revenue related assumptions along with their results.

12.1 Project Economics:

It is estimated that around 600,000 grams of jewellery articles per year will be polished by the proposed jewellery polishing unit at the rate of Rs. 2 per gram. The Internal rates of Return (IRR) and Payback period are shown in the following table:

| Description | Details |
|-------------------------------|---------------|
| Internal rate of Return (IRR) | 23.39% |
| Payback period (years) | 02 years |
| Net Present Value (NPV) | Rs. 1,125,324 |

Table 1: Project Economics

The commercial viability of this project will depend upon the expertise and skill of the workers. Regular orders from customers will play a vital role in sustainability of the project. Quality of Polishing and delivery of orders on time will add to the credibility of the business.

12.2 Project Financing:

Details of the equity required and variables related to bank loan are as follows:

| rubic 2.1 roject i maneing | | |
|---|-------------|--|
| Description | Details | |
| Total Equity (10%) | Rs. 30,000 | |
| Bank Loan (90%) | Rs. 270,000 | |
| Markup to the Borrower (Percentage / annum) | 8% | |
| Loan Tenure (years) | 08 years | |
| Grace Period (years) | 01 year | |

Table 2: Project Financing

12.3 Project Cost:

Following requirements have been identified for operations of the proposed business.

Table 3: Capital Investment for the project

| Cost description | Total Cost (Rs.) |
|-----------------------------------|------------------|
| Machinery & Equipment | 95,000 |
| Furniture /Fixture | 31,000 |
| Pre-operational Expenses | 30,000 |
| Total Fixed Cost | 156,000 |
| Consumable Inventory | 50,000 |
| Upfront Building Rent (12 Months) | 72,000 |
| Cash | 22,000 |
| Total Project Cost | 300,000 |

12.4 Space Requirement:

The project is proposed to be set-up in a rented building. In this way, the initial capital cost of the project will be far less.

| Table 4: Space Requirement | | | |
|----------------------------|--|--|--|
| Sq.ft | | | |
| 100 | | | |
| | | | |
| 100 | | | |
| | | | |

Table 4: Space Requirement

12.5 Machinery and Equipment:

Following equipment is required for jewellery polishing unit to polish approximately 600,000 grams of jewellery articles per year. Approximate prices are given below;

| Machinery / Equipment Description | Qty | Per Unit Total Cost | |
|---|-----|---------------------|--------|
| | | Price | |
| Buff polishing machine | 1 | 5,000 | 5,000 |
| Drum polishing machine with polishing media, ball, pins etc | 1 | 60,000 | 60,000 |
| Beakers and steel containers set | 1 | 5,000 | 5,000 |
| Ultrasonic machine | 1 | 20,000 | 20,000 |
| Heaters | 2 | 2,500 | 5,000 |
| Total | | | 95,000 |

12.6 Consumables:

The details of the consumables required per year are as under:

Table 6: Consumables

| Description of Items | Unit | Quantity | Price | Cost |
|---|------|----------|-----------------------|--------|
| Cynic Acid, Sulphuric Acid, Hydrochloric acid | Set | 1 | 36 <mark>,</mark> 000 | 36,000 |
| Ball brush, Brass brush, | Set | 1 | 12,000 | 12,000 |
| Cloths | Set | 1 | 1,000 | 1,000 |
| Wood dust | Kgs | 1 | 1,000 | 1,000 |
| TOTAL | | | | 50,000 |

12.7 Furniture and Fixtures:

| Table 7: Lis | t of Furniture | & Fixture |
|--------------|----------------|-----------|
|--------------|----------------|-----------|

| Description of Items | Qty | Per unit cost | Total | | |
|------------------------|-----|---------------|--------|--|--|
| Buff polishing cabinet | 1 | 15,000 | 15,000 | | |
| Chairs | 2 | 3,000 | 6,000 | | |
| Table | 1 | 5,000 | 5,000 | | |
| Lighting & wiring | 1 | 5,000 | 5,000 | | |
| Total | | | 31,000 | | |

12.8 Human Resource Requirement:

| Table 8: Human Resource Requiremen |
|------------------------------------|
|------------------------------------|

| Description | No. of employees | Salary per person | Per Month Salary (Rs) | Annual Salary (Rs) |
|------------------|---------------------|----------------------|--------------------------|-----------------------|
| Polishing labour | 2 | 10,000 | 20,000 | 240,000 |
| Total | | | | 240,000 |

12.9 Revenue Generation:

Table 9: Revenue Generation (60% production capacity for first year)

| Product/ Service | Service price per gm in Rs. | First Year service output in gms | First Year Service Revenue (Rs.) | |
|-----------------------------|--------------------------------|--|--|--|
| Drum polishing of ornaments | 2 | 360,000 | 720,000 | |
| Total Sales Revenue | | | 720,000 | |

12.10 Other Costs:

Approximately 100 sq.ft of office space will be required to setup this Jewellery Polishing unit. Monthly rent is estimated up to 6,000 /-per month (5% yearly increase) and utility charges @ 5,000 per month (10% yearly increase). In year 1, the total rent cost amounts to Rs. 72,000. Similarly, utility expense is estimated to be about Rs. 5,000 per month which comes to Rs. 60,000 per annum.

| 13. KEY ASSUMPTIONS | | |
|-------------------------------------|------------------------|---------------|
| PRODUCTION ASSUMPTIONS | | |
| Maximum Capacity Utilization | | 100% |
| Maximum Capacity Utilization (Year- | -1) | 60% |
| | | |
| Name of the Product: Jewellery Poli | ishing Unit | |
| Drum Polishing of Ornaments (gms) | (100%) | 600,000 |
| Drum Polishing of Ornaments (gms) | $(1^{st} year) (60\%)$ | 360,000 |
| Polishing in (gms) per day | | 1,200gms/ day |
| | | |
| OPERATING ASSUMPTIONS | | |
| Annual Capacity | | 100% |
| Total Capacity (Year 1) | | 60% |
| Growth Rate in Production (15.5%) | OR (times) | 1.155 |
| Hours operational per day | | 8 |
| Days operational per month | | 25 |
| Days operational per year | | 300 |
| ECONOMY-RELATED ASSUMPT | TIONS | |
| Electricity growth rate (10%) | OR (times) | 1.1 |
| Pay roll growth (10%) OR (times) | | 1.1 |
| CASH FLOW ASSUMPTIONS | | |
| Accounts receivable cycle (in days) | | 30 |
| Accounts payable cycle (in days) | | 30 |
| WIP (Days) | | 01 |
| Finished Goods (Days) | | 07 |
| Raw Materials Inventory (Days) | | 30 |
| Cash in Hand | | Rs. 22,000 |
| | | |
| | | |
| | | |

| REVENUE ASSUMPTIONS | | |
|---|-----------------------------|--------|
| | (1 st) | 02 |
| Drum Polishing of Ornaments/ (gms) | (1 st year) | 02 |
| Sale price growth rate (15.5%) | OR (times) | 1.155 |
| | | |
| EXPENSES ASSUMPTIONS | | |
| Electricity Expenses Per/Year (Rs) | | 60,000 |
| Equipments/ Machine maintenance Cost /year | (% of total machinery cost) | 2.% |
| Growth in maintenance cost (3%) | OR (times) | 1.03 |
| Pre-paid rent (12 months) | | 72,000 |
| Raw material | | 0.00 |
| Consumables cost | | 50,000 |
| Rent growth rate | | 5% |
| COST OF GOODS SOLD ASSUMPTIONS COGS Growth Rate (21%) | OR (times) | 1.21 |
| Financial Assumptions | | |
| Project Life (Years) | | 08 |
| Debt | | 90% |
| Equity | | 10% |
| Interest Rate on Long term debt | | 8% |
| Debt Tenure (Years) | | 8 |
| Debt payments per years | | 12 |
| Grace Period (Year) | | 1 |



ANNEXURE 1

14.1 Income Statement

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | | | | |
| SALES | | | | | | | | | | |
| Drum Polishing | 720,000 | 831,600 | 960,498 | 1,109,375 | 1,281,328 | 1,479,934 | 1,709,324 | 1,974,269 | 2,280,281 | 2,633,725 |
| | | | | | | | | | | |
| | 720,000 | 831,600 | 960,498 | 1,109,375 | 1,281,328 | 1,479,934 | 1,709,324 | 1,974,269 | 2,280,281 | 2,633,725 |
| | | | | | | | | | | |
| COST OF SALES | | | | | | | | | | |
| Consumables-Polishing | 50,000 | 60,500 | 73,205 | 88,578 | 107,179 | 129,687 | 156,921 | 189,875 | 229,749 | 277,996 |
| | | | | | | | | | | |
| Cost of Good Sold | 50,000 | 60,500 | 73,205 | 88,578 | 107,179 | 129,687 | 156,921 | 189,875 | 229,749 | 277,996 |
| Admin & General Expenses | | | | | | | | | | |
| Electrcity Expenses | 60,000 | 66,000 | 72,600 | 79,860 | 87,846 | 96,631 | 106,294 | 116,923 | 128,615 | 141,477 |
| Internet Charges | - | - | - | - | - | - | - | - | - | - |
| Repair & Maintanance Charges-Machine | 1,900 | 1,957 | 2,016 | 2,076 | 2,138 | 2,203 | 2,269 | 2,337 | 2,407 | 2,479 |
| Payroll Expense (All staff) | 240,000 | 264,000 | 290,400 | 319,440 | 351,384 | 386,522 | 425,175 | 467,692 | 514,461 | 565,907 |
| Depreciation Expense | 6,300 | 5,985 | 5,686 | 5,401 | 5,131 | 4,875 | 4,631 | 4,400 | 4,180 | 3,971 |
| Computer Maintanance Expenses | - | - | - | - | - | - | - | - | - | - |
| Rent Expense | 72,000 | 75,600 | 79,380 | 83,349 | 87,516 | 91,892 | 96,487 | 101,311 | 106,377 | 111,696 |
| Amortization of Preliminary Expenses | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | - | - | - | - | - |
| Total Operating Expenses | 386,200 | 419,542 | 456,081 | 496,127 | 540,016 | 582,123 | 634,855 | 692,663 | 756,040 | 825,530 |
| Earnings Before Interest & Taxes | 283,800 | 351,558 | 431,212 | 524,670 | 634,133 | 768,124 | 917,548 | 1,091,732 | 1,294,493 | 1,530,199 |
| Financial Charges on Long Term Loan | 21,600 | 19,569 | 17,376 | 15,007 | 12,449 | 9,687 | 6,703 | 3,480 | - | - |
| Profit Before Tax | 262,200 | 331,989 | 413,835 | 509,663 | 621,683 | 758,438 | 910,845 | 1,088,251 | 1,294,493 | 1,530,199 |
| Income Tax | 15,732 | 26,559 | 41,384 | 61,160 | 87,036 | 121,350 | 163,952 | 217,650 | 284,788 | 367,248 |
| Profit After Tax | 246,468 | 305,430 | 372,452 | 448,503 | 534,648 | 637,088 | 746,893 | 870,601 | 1,009,704 | 1,162,951 |
| Retained Earning at the beginning of year | - | 246,468 | 438,889 | 669,809 | 943,396 | 1,264,184 | 1,640,066 | 2,073,264 | 2,569,507 | 3,134,941 |
| Dividend (15-20) | - | 113,009 | 141,532 | 174,916 | 213,859 | 261,206 | 313,695 | 374,358 | 444,270 | 523,328 |
| Retained Earning at the end of year | 246,468 | 438,889 | 669,809 | 943,396 | 1,264,184 | 1,640,066 | 2,073,264 | 2,569,507 | 3,134,941 | 3,774,564 |

ANNEXURE 2

Project Cash Flow Statement

| - | Year 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Operating Activities | [| | | | | | | | | | |
| Net Profit | | 262,200 | 331,989 | 413,835 | 509,663 | 621,683 | 758,438 | 910,845 | 1,088,251 | 1,294,493 | 1,530,199 |
| Add: | | | | | | | | | | | |
| Depreciation | | 6,300 | 5,985 | 5,686 | 5,401 | 5,131 | 4,875 | 4,631 | 4,400 | 4,180 | 3,971 |
| Amortization (Pre Operational Costs) | | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | - | - | - | - | - |
| Net Profit Before Working Capital Changes | - | 274,500 | 343,974 | 425,521 | 521,064 | 632,815 | 763,313 | 915,476 | 1,092,651 | 1,298,672 | 1,534,170 |
| Working Capital Changes | | | | | | | | | | | |
| Upfront Building Rent | (72,000) | (7,200) | (7,920) | (8,712) | (9,583) | (10,542) | (11,596) | (12,755) | (14,031) | (15,434) | (16,977) |
| Polishing Consumables | (50,000) | 45,000 | (1,050) | (1,271) | (1,537) | (1,860) | (2,251) | (2,723) | (3,295) | (3,987) | (4,825) |
| W.I.P | | (167) | (35) | (42) | (51) | (62) | (75) | (91) | (110) | (133) | (161) |
| Finished Goods Stock | | (1,167) | (245) | (296) | (359) | (434) | (525) | (635) | (769) | (930) | (1,126) |
| Accounts Payable | | 4,167 | 875 | 1,059 | 1,281 | 1,550 | 1,876 | 2,270 | 2,746 | 3,323 | 4,021 |
| Accounts Recievable | | (60,000) | (9,300) | (10,742) | (12,406) | (14,329) | (16,550) | (19,116) | (22,079) | (25,501) | (29,454) |
| Income Tax Paid | | (15,732) | (26,559) | (41,384) | (61,160) | (87,036) | (121,350) | (163,952) | (217,650) | (284,788) | (367,248) |
| Working Capital Changes | (122,000) | (35,099) | (44,234) | (61,388) | (83,815) | (112,713) | (150,472) | (197,003) | (255,188) | (327,451) | (415,769) |
| Cash provided by/used in operation | (122,000) | 239,401 | 299,740 | 364,134 | 437,249 | 520,102 | 612,841 | 718,473 | 837,463 | 971,221 | 1,118,400 |
| FINANCING ACTIVITIES | | | | | | | | | | | |
| Long term Loan | 270,000 | - | (25,384) | (27,415) | (29,608) | (31,977) | (34,535) | (37,297) | (40,281) | (43,504) | - |
| Owner's Equity | 30,000 | - | - | - | - | - | - | - | - | - | - |
| Dividend Paid | - | - | (113,009) | (141,532) | (174,916) | (213,859) | (261,206) | (313,695) | (374,358) | (444,270) | (523,328) |
| | | | | | | | | | | | |
| Cash provided by/used in financing activities | 300,000 | - | (138,393) | (168,946) | (204,524) | (245,836) | (295,741) | (350,992) | (414,640) | (487,774) | (523,328) |
| INVESTING ACTIVITIES | | | | | | | | | | | |
| Capital Expenditure | (156,000) | - | - | - | - | - | - | - | - | - | - |
| Cash provided by/used in investing activities | (156,000) | | | | | | | | | | |
| Net Cash Flow | 22,000 | 239,401 | 161,347 | 195,187 | 232,725 | 274,266 | 317,100 | 367,480 | 422,823 | 483,448 | 595,072 |
| Cash balance B/F | - | 22,000 | 261,401 | 422,748 | 617,935 | 850,660 | 1,124,926 | 1,442,027 | 1,809,507 | 2,232,331 | 2,715,778 |
| Cash Balance C/F | 22,000 | 261,401 | 422,748 | 617,935 | 850,660 | 1,124,926 | 1,442,027 | 1,809,507 | 2,232,331 | 2,715,778 | 3,310,850 |

ANNEXURE 3

14. 3 Balance Sheet

| | Year 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|--------------------------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ASSETs | | | | | | | | | | | |
| Current Assets | | | | | | | | | | | |
| Cash & Bank Balance | 22,000 | 261,401 | 422,748 | 617,935 | 850,660 | 1,124,926 | 1,442,027 | 1,809,507 | 2,232,331 | 2,715,778 | 3,310,850 |
| Polishing Consumables | 50,000 | 5,000 | 6,050 | 7,321 | 8,858 | 10,718 | 12,969 | 15,692 | 18,987 | 22,975 | 27,800 |
| W.I.P | | 167 | 202 | 244 | 295 | 357 | 432 | 523 | 633 | 766 | 927 |
| Finshed Good Stock | | 1,167 | 1,412 | 1,708 | 2,067 | 2,501 | 3,026 | 3,661 | 4,430 | 5,361 | 6,487 |
| Recievables | | 60,000 | 69,300 | 80,042 | 92,448 | 106,777 | 123,328 | 142,444 | 164,522 | 190,023 | 219,477 |
| Upfront Building Rent | 72,000 | 79,200 | 87,120 | 95,832 | 105,415 | 115,957 | 127,552 | 140,308 | 154,338 | 169,772 | 186,749 |
| Total | 144,000 | 406,935 | 586,831 | 803,081 | 1,059,743 | 1,361,237 | 1,709,334 | 2,112,135 | 2,575,242 | 3,104,675 | 3,752,290 |
| | | | | | | | | | | | |
| TOTAL CURRENT ASSETS | _ | | | | | | | | | | |
| Fixed Asset | | | | | | | | | | | |
| AT Cost less: Depreciation | 126,000 | 119,700 | 113,715 | 108,029 | 102,628 | 97,496 | 92,622 | 87,990 | 83,591 | 79,411 | 75,441 |
| Intangible Assets | | | | | | | | | | | |
| Pre-operational Expenses Worth | 30,000 | 24,000 | 18,000 | 12,000 | 6,000 | - | | | | | |
| TOTAL ASSETS | 300,000 | 550,635 | 718,546 | 923,111 | 1,168,371 | 1,458,733 | 1,801,956 | 2,200,126 | 2,658,833 | 3,184,087 | 3,827,731 |
| LIABILITIES AND EQUITY | | | | | | | | | | | |
| Current Laibilities | | | | | | | | | | | |
| Accounts Payable | | 4,167 | 5,042 | 6,100 | 7,382 | 8,932 | 10,807 | 13,077 | 15,823 | 19,146 | 23,166 |
| TOTAL CURRENT LIABILITIES | | 4,167 | 5,042 | 6,100 | 7,382 | 8,932 | 10,807 | 13,077 | 15,823 | 19,146 | 23,166 |
| Non Current Liabilities | | | | | | | | | | | |
| Long term Loan | 270,000 | 270,000 | 244,616 | 217,201 | 187,593 | 155,617 | 121,082 | 83,785 | 43,504 | | |
| EQUITY | | | | | | | | | | | |
| Paid Up Capital | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Retained Earnings | | 246,468 | 438,889 | 669,809 | 943,396 | 1,264,184 | 1,640,066 | 2,073,264 | 2,569,507 | 3,134,941 | 3,774,564 |
| Total Equity | 30,000 | 276,468 | 468,889 | 699,809 | 973,396 | 1,294,184 | 1,670,066 | 2,103,264 | 2,599,507 | 3,164,941 | 3,804,564 |
| TOTAL LIABILITIES AND EQUITY | 300,000 | 550,635 | 718,546 | 923,111 | 1,168,371 | 1,458,733 | 1,801,956 | 2,200,126 | 2,658,833 | 3,184,087 | 3,827,731 |
| | | | | | | | | | | | |