



# DETAILED PROJECT REPORT

## Medal Making Unit



By



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## **1. OVERVIEW OF THE JLG MEMBERS**

**Name of the JLG:**

**Number of the members.**

**Name of Gram Panchayat/Taluk:**

**Name of the District:**

**Account details of JLG:**

**Details of JLG members with Hierarchy;**

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

**KYC:**

**Aadhar/PAN/Photo:**



## **2. OBJECTIVES OF SVSY**

Under Yuva Niti 2022, the new Swami Vivekananda Yuva Shakti Yojana is proposed on the following grounds to achieve holistic development of 2.1 crore youth of the state and to bring about constructive social change by the youth in keeping with the India@2047 vision of the Hon'ble Prime Minister.

The current scenario of the state on various parameters is as follows:

- i. Political Representation:** Out of total 1,01,308 members in rural local bodies, 12,411 (12.25 per cent) youths and 360 youths (5.36 per cent) out of 6713 municipal councillors are political representatives.
- ii. Education:** Out of a total of 2.1 crore youth, 21.55 lakh (10.37 per cent) students are in high school, 11.75 lakh (5.65 per cent), 6.45 lakh (3.10 per cent) in general degree colleges, 1.51 lakh (2.72 per cent), 1.11 lakh in polytechnics. (0.53 per cent), 0.74 lakh (0.36 per cent) The total number of students studying in medical courses is 43.12 lakh, which is per cent of the total youth. 21 percent will be. Remaining 157.88 lakh youth have below 10th standard education.
- iii. Employment:** According to the National Skill Development Corporation report, out of the total 2.1 crore youth in the state, 82 lakh (41 per cent) youth are in the labour force. As the remaining 119 lakh youth (59 per cent) are not in the professional labour force, they need to be given skill training to make them self-reliant.
- iv. Skill Development:** Out of the total 82 lakh youth in the workforce, 16 lakh youth (20 per cent) have received skill vocational training. The remaining 66 lakh (80 percent) youth need to be given skill development training. Out of this, only one lakh youth are being trained by the NLRM department every year. Therefore 65



lakh untrained rural youth need skill training. To achieve this every school needs to provide vocational education from class 6 onwards.

- v. **Internship:** According to the 6th Economic Census, there are a total of 28.80 lakh enterprises in the state, out of which 78,022 enterprises employ more than 8 people. About 30 lakh youths can be trained in skills by undertaking the internship program for a period of three months in local industries related to agriculture and agri-based/MSME/self-employment/service sector.
- vi. **Migration Control:** Rural people have migrated from various districts to urban areas for job opportunities, of which 40 lakh (20 percent) youth are in Bangalore city. Therefore, there is a need to provide more employment opportunities at the village level.
- vii. **Consolidation of programs for rural employment:** In total there are 27,395 revenue villages in the state and it is proposed to form Swami Vivekananda Self Help Groups, one in each village, on the model of Women's Self-Help Groups to provide self-employment to the unorganized workers in these. There are about 15 to 20 youth in each group, and 5.50 lakh youth in 27,395 self-help groups have received Rs. 1.5 lakh to provide margin money estimated at Rs. 410 crores will be required.
- viii. **Bank Linked Schemes:** Coordination and inclusion of Yuva Shakti schemes with schemes linked to 25 banks. There are 35000 shelves of projects under the Mudra loan scheme, and steps will be taken to select the financial activities of the self-help societies based on these models.
- ix. **Training:** Skill development training will be imparted to the youth under the National Entrepreneurship Mission under the 18 programs being implemented by



various departments under this scheme. Training for agriculture and other activities will be provided through the Rural Development Self Employment Training Institute (RUDSETI).

- x. Formation of State Level Committee:** It is proposed to constitute a committee under the chairmanship of the Minister of Youth Empowerment and Sports at the State level for implementation and monitoring of the programme. RDPR, Commerce and Industry, Labour, Skill Development and Bank representatives will be members of this committee.
- xi. District Level Committee:** It is proposed to constitute a District Level Committee under the Chairmanship of the Chief Executive Officer of the Zilla Panchayat for the implementation and supervision of the program at the district level. The members of this committee are the officers of Rural Development and Panchayat Raj, Commerce and Industry, Labour, Skill Development Departments and District Lead Bank Managers.
- xii. Village level stewardship:** The village level stewardship of this program will be handled by Rural Development and Panchayat Raj Departments and Youth Empowerment and Sports Departments.

### **3. ABOUT VKF**

VKF is a Think Tank of Community Change Champions who are from various walks of Social Spaces with diverse backgrounds and specialists from their domains.

VKF is a platform that enables as a think tank to evolve an aggregation of the social impact service providers and entrepreneurs for bringing about a transformational



movement of social Change that is measurable on the lines of the Strategic Sustainable Development Goals (SSDG) of United Nation (UN).

VKF's is primarily focused on the development of Karnataka state in collaboration and co-creation initiatives.

VKF is a platform that enables as a think tank to evolve an aggregation of the social impact service providers and entrepreneurs for bringing about a transformational movement of Social Change that is measurable on the lines of the Strategic Development Goal of UN.

VKF's strong focus is on enhancing the rural mass entrepreneurship development clubbed with rural livelihood options. In this direction, VKF team is working with the rural livelihood SHGs members and handholding them to elevate themselves to newer socio-economic status and uplifting the whole geography of the cluster by setting up of CFCs.

VKF's experience spans across conceptualizing, cluster mapping, conducting baseline surveys, awareness creation, trust building activities, capacity building, design thinking activities etc., to enhance capabilities of the artisans and livelihood SHGs in the clusters.

VKF also indulges in facilitating Common Facility Centres, Preparation of DPR, Govt. liaising, market linkage activities, brand awareness, branding initiatives, value addition of the products produced by clusters etc. In this, regards we have collaborated and working with MSME, ESTC, IDEMI, Tribes India, NRLM and WCD to support rural masses in terms upgrading their livelihood opportunities.





#### **4. NAME OF PRODUCT AND TECHNOLOGY**

##### **Medal Making Machine:**

A medal making machine is a type of equipment that is specifically designed to produce medals. It uses various techniques such as stamping, engraving, and moulding to create medals in various shapes, sizes, and designs. The machine can be automated or manually operated, and it typically includes features such as a feeder, a press, a cutter, and a polishing unit. The feeder is used to supply the raw material (usually metal) to the machine, while the press is used to stamp the design onto the metal. The cutter is then used to cut the medal to the desired shape, and the polishing unit is used to give the medal a smooth, shiny finish.

Medal making machines are commonly used by manufacturers, sports organizations, and military and government agencies to create custom medals for various purposes, such as awards, commemorations, and ceremonies.

#### **5. DELIVERABLES AND MARKET OF THE PRODUCT**

The primary deliverables of a medal making machine are the medals themselves. The machine is able to quickly and accurately create the design and output the finished product in a matter of minutes. This makes it a great choice for those who are looking for a fast and easy way to create unique and impressive medals.

Another deliverable of a medal making machine is the ability to customize the medals. The machine is able to quickly and accurately create custom designs, allowing you to create a unique and memorable medal that is sure to stand out from the crowd.





**Project Assumptions:** This model DPR for Medal Making Machine Unit is basically on certain assumptions that may vary with capacity, location, raw materials availability etc. An entrepreneur can use this model DPR format and modify as per requirement and suitability. The assumptions made in preparation of this particular DPR are given in Table. Therefore, land and civil infrastructures are assumed as already available with the entrepreneur.

Table: Detailed Project Assumptions		
Parameters	Value	
Assumed Capacity of the Medal making machine:	100	
Utilization of capacity:	Year 1	70%
	Year 2	75%
	Year 3	80%
	Year 4	85%
	Year 5	90%
Working days per year:	300 days	
Working hours per day:	8-10 hours	
Average price of raw material:	Rs. 25/piece	
Average sale price of Final product:	Rs. 100/piece	

**Machineries:**



<b>Mild steel Electric 3 in 1 Gold Casting Machine</b>
<b>Crushing capacity: 50-60 kg 8 Hour (Approx)</b>
<b>Material: Mild Steel</b>
<b>Jeweltech Jewel Equipments</b>
<b>Location: Chandni Chowk Delhi</b>



## **Market Output:**

### **Market Linkage**

- ❖ **Schools**
- ❖ **Colleges**
- ❖ **Sports Shop**

- ❖ **E-Commerce**
- ❖ **Sports Complex**

## **6. ROLE OF EACH OF THE JLG MEMBERS**

### **How JLG will participate:**

3 persons will be used to procurement

2 persons for production

1 person for sales & marketing

2 persons for logistics

## **7. SOFT INTERVENTION**

The following are the soft interventions to be arranged:

- Awareness on financial inclusion will help in getting the assistance from Government and other sources.
- Export promotional orientation for the JLG members.
- Awareness/ training programme on product quality, handling practices.
- Capacity Building activity



- Trust Building activities
- Programmes on technical skill enhancement to unit owners.
- Programmes on Business and entrepreneurship skill enhancement to unit owners
- Mass entrepreneurship development program in the JLG eco system.

## **8. ESTIMATED COST OF THE PROJECT AND THE IMPLEMENTATION SCHEDULE**

The proposed cost of the project is as follows:

<b>Sl. No.</b>	<b>Details</b>	<b>Cost in Rs.</b>	<b>Percentage</b>
1	Bank Loan	3,15,000	90%
2	JLG contribution	35,000	10%
3	<b>Total</b>	<b>Rs.3,50,000/-</b>	<b>100%</b>

<b>Sl. No.</b>	<b>Details</b>	<b>Cost in Rs.</b>
1	Machine Cost	1,80,000
2	Furniture	40,000
3	Working capital (Shed deposit, electric connection deposit, Miscellaneous and preoperative expenses)	1,30,000
	<b>TOTAL</b>	<b>Rs.3,50,000/-</b>



The proposed project implementation schedule is as follows:

Sl. No.	Project Component	Schedule
1	Shed for the project on rental basis	Identified
2	Electricity and Water facility Installation	Present
3	Arrival of Machinery	Within 1 months of Order
4	Erection of Machinery	Within 5 days of arrival
5	Commissioning	Within 2-4 days of erection
6	Commercial Usage	Within 2 months from approval

## **9. LAND/SHED STATUS:**

The JLG has already identified the shed required for the project within the project area.

## **10. SWOT ANALYSIS OF THE PROJECT**

### **I. Strength**

- JLG members are very young and has aware of medals manufacturing has profitable in the upcoming market as well as the local markets.
- The source of raw material procurement is very convenient to the JLG members.
- The JLG members are having good coordination and co-operation among themselves and are serious about providing solutions to the community.
- Low production costs: Medals manufacturing involves low raw material and labor costs, making it a profitable business.



- Scalability: The business can be scaled up or down depending on demand.

## II. Weakness

- Competition: The Medal manufacturing industry is highly competitive, with many established players.
- Seasonal demand: Demand for medals may be seasonal, which can affect cash flow.
- Dependent on raw material availability: The business relies on a steady supply of raw materials.
- The JLG members have poor access to national and international markets. This will affect initially the profitability of the JLG members.
- There is no branding for the product.

## III. Opportunities

- Expansion: The business can be expanded by increasing production capacity, entering new markets, or diversifying into related products. Demand in schools, colleges, offices etc.,
- Innovation: The business can leverage technology to improve production efficiency or develop new product lines.
- Growing demand for eco-friendly products: The increasing focus on sustainability presents an opportunity for the business.



#### **IV. Threats**

- Due to poor market access the profitability of the JLG members may fall bit low level. This may discourage initially to JLG members.
- Main attributed to less profitability of the business is due to lower price at the beginning and JLG members need to work hard.
- Fluctuations in raw material prices: The cost of raw materials can be volatile and affect profit margins.
- Changes in regulations: Changes in environmental or labor regulations can affect the business.
- Economic downturns: Economic downturns can affect consumer spending on disposable products.

### **11. YOUTH EMPOWERMENT IMPACT OF THE PROJECT ON ECOSYSTEM**

We have surplus youths in the state, graduate, undergraduate etc. supporting them to create self-employment will motivate to become entrepreneurs, they will live independent life.

Entrepreneurship will greatly impact the lifestyle of the youths, if businesses work along with their involvement of all the members towards creating awareness and promoting positive impacts on others.



## 12. THE END PRODUCTS PRODUCED WITH THE UNIT



## 13. FINANCIALS:

### CASH FLOW STATEMENT

Particulars	Year				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b><u>REVENUE FROM SALE OF MEDALS</u></b>					
No. of working days in a Year	300	300	300	300	300
Less : Days for off Season	-	-	-	-	-
No. of Machine Running days in a Year	300	300	300	300	300
Capacity of the machine in Piece per day	100	100	100	100	100
Production in Piece	100%	100%	100%	100%	100%
Utilisation of the Capacity (%)	70%	75%	80%	85%	90%
Production during the year (in Articles)	21,000	22,500	24,000	25,500	27,000
Rate per Article	100	110	121	133	146
<b>Gross Revenue earned per annum - A</b>	<b>21,00,000</b>	<b>24,75,000</b>	<b>29,04,000</b>	<b>33,94,050</b>	<b>39,53,070</b>
<b><u>COST OF RAW MATERIALS</u></b>					
Consumption of Raw Materials	21,000	22,500	24,000	25,500	27,000
Rate per Piece	25	28	30	33	37
<b>Total Cost of Raw Material per annum - B</b>	<b>5,25,000</b>	<b>6,18,750</b>	<b>7,26,000</b>	<b>8,48,513</b>	<b>9,88,268</b>
<b><u>EXPENDITURE</u></b>					
Salaries and Wages	8,40,000	9,66,000	11,10,900	12,77,535	14,69,165
Electricity Charges	1,44,000	1,58,400	1,74,240	1,91,664	2,10,830
Rent	1,56,000	1,71,600	1,88,760	2,07,636	2,28,400
Transportation and Travelling	48,000	52,800	58,080	63,888	70,277
Packaging and Promotion Expenses	60,000	66,000	72,600	79,860	87,846
Miscellaneous Expense	25,000	27,500	30,250	33,275	36,603
<b>Total Expenditure – C</b>	<b>12,73,000</b>	<b>14,42,300</b>	<b>16,34,830</b>	<b>18,53,858</b>	<b>21,03,121</b>
<b>Net Profit before Interest /Cash Flow (A-B-C)</b>	<b>3,02,000</b>	<b>4,13,950</b>	<b>5,43,170</b>	<b>6,91,680</b>	<b>8,61,682</b>

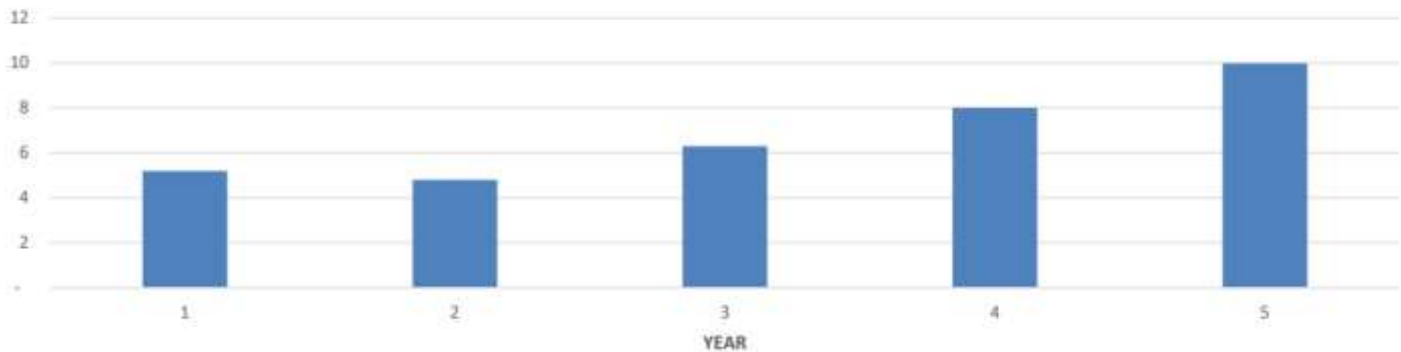




### PROJECTED TERM LOAN DSCR STATEMENT

	Year 1	Year 2	Year 3	Year 4	Year 5
	Projected	Projected	Projected	Projected	Projected
Profit available to service the debt	3,02,000	4,13,950	5,43,170	6,91,680	8,61,682
Loan Repayment	28,750	61,747	67,875	74,611	82,016
Interest on Term Loan	29,361	24,551	18,423	11,686	4,281
<b>Debt to be Served</b>	<b>58,111</b>	<b>86,298</b>	<b>86,298</b>	<b>86,298</b>	<b>86,298</b>
Debt Service Coverage Ratio	5	5	6	8	10
<b>AVERAGE DSCR</b>	<b>7</b>				

### DEBT SERVICE COVERAGE RATIO



### BREAKEVEN ANALYSIS

Investment Value Including Margin Rs. 350000

Year ended	Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected	Year 5 Projected
Cash Flow as per Statement of Income	3,02,000	4,13,950	5,43,170	6,91,680	8,61,682
Less : Interest on Loan	29,361	24,551	18,423	11,686	4,281
Less : Estimated Drawings/Personal Expenses	1,51,000	2,06,975	2,71,585	3,45,840	4,30,841
<b>Net Cash Flow</b>	<b>1,21,639</b>	<b>1,82,424</b>	<b>2,53,162</b>	<b>3,34,153</b>	<b>4,26,560</b>
<b>Cumulative Cash Flow</b>	<b>1,21,639</b>	<b>3,04,063</b>	<b>5,57,225</b>	<b>8,91,378</b>	<b>13,17,938</b>
<b>Break Even Investment (in years)</b>	<b>2 Year and 2.2 Months</b>				



**DETAIL REPAYMENT SCHEDULE**

Year	Quarter	Loan Installment	Principal Payment	Loan Outstanding	Interest at 9.5%	Cumulative Interest
1	1	7,481	-	3,15,000	7,481	29,361
	2	7,481	-	3,15,000	7,481	
	3	21,574	14,205	3,00,795	7,369	
	4	21,574	14,545	2,86,250	7,029	
2	1	21,574	14,893	2,71,356	6,681	24,551
	2	21,574	15,250	2,56,107	6,325	
	3	21,574	15,615	2,40,492	5,960	
	4	21,574	15,989	2,24,503	5,586	
3	1	21,574	16,371	2,08,132	5,203	18,423
	2	21,574	16,763	1,91,368	4,811	
	3	21,574	17,165	1,74,203	4,410	
	4	21,574	17,576	1,56,628	3,999	
4	1	21,574	17,996	1,38,632	3,578	11,686
	2	21,574	18,427	1,20,205	3,147	
	3	21,574	18,868	1,01,336	2,706	
	4	21,574	19,320	82,016	2,255	
5	1	21,574	19,782	62,234	1,792	4,281
	2	21,574	20,256	41,978	1,319	
	3	21,574	20,741	21,237	834	
	4	21,574	21,237	-	337	
<b>Total</b>		<b>4,03,303</b>	<b>3,15,000</b>		<b>88,303</b>	<b>88,303</b>



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