



# Detailed Project Report

## Scuba Diving Project



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:**



The scuba diving project is a form of underwater diving that involves using a self-contained underwater breathing apparatus (scuba) to explore the ocean's depths. Scuba divers can explore coral reefs, shipwrecks, and underwater caves while experiencing a weightless environment and observing marine life up close. Participants require scuba diving certification, which involves completing a series of training sessions to learn the necessary skills and safety protocols. Scuba diving offers a unique perspective on the underwater world, allowing divers to experience a sense of adventure and discovery while immersing themselves in an entirely different ecosystem.

## **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.



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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**





## **Scuba Diving**

Scuba diving is an underwater sport that allows divers to explore the underwater world and experience the beauty of marine life. Scuba diving requires the use of scuba gear, including a tank filled with compressed air, a regulator to control the flow of air, a buoyancy control device, fins, and a mask.

Scuba diving can be done in a variety of locations, including oceans, lakes, and rivers, and at various depths, from shallow reef dives to deep sea dives. There are many different types of scuba diving, including recreational diving, technical diving, and cave diving.

Scuba diving is a popular activity that offers many benefits, including the opportunity to see and explore the underwater world, connect with nature, and enjoy physical activity and adventure. However, it is also important to follow safe diving practices and guidelines to ensure a safe and enjoyable experience.

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

- **Certification Courses:** Scuba diving certification courses are the main deliverable for scuba diving. These courses teach individuals the skills and knowledge needed to dive safely and enjoy the underwater environment.
- **Scuba Diving Gear:** Scuba diving gear, including tanks, regulators, buoyancy control devices, fins, and masks, are also important deliverables in the scuba diving market.



- **Dive Trips and Excursions:** Dive trips and excursions are popular deliverables in the scuba diving market, allowing individuals to experience the underwater world in a variety of locations and environments.
- **Instruction and Training:** Scuba diving instructors and training courses are also important deliverables, providing individuals with the skills and knowledge needed to dive safely and enjoy the underwater environment.

**Project Assumptions:** This model DPR for Scuba Diving Project 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		
Parameter	Value	
Assumed Capacity of the scuba diving sessions :	30 to 40/Month	
Utilization of capacity :	Year 1	Implementation
	Year 2	60%
	Year 3	70%
	Year 4	80%
	Year 5 ONWARDS	90%
Working days per year:	180 days	
Working hours per day:	8-10 hours	
Equipment cost and raw materials	Rs. 25000/ Oxygen Cylinder	
Average sale price of product	Rs. 25000 (5to 10 Team)	



## Machineries



**Kit Price-39000**

**Set Contains: Diving Suit,Diving Fin,Diving Mask,Scuba Cylinder,Diving Helmet,Back Pack,Stage Regulator**

**Material: Rubber, PVC, Plastic**

**Packaging Type: Box**

### Market Linkage

- ❖ Tourism
- ❖ Recreational Divers
- ❖ Technical Divers

- ❖ Dive centers and Resorts Bakeries
- ❖ Online Marketspaces



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

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

- 5 persons will be provide training
- 2 guards
- 3 persons for marketing

## **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

Sl. No.	Details	Cost in Rs.	Percentage
1	Bank Loan	3,64,500	90%
2	JLG contribution	40,500	10%
3	<b>Total</b>	<b>4,05,000</b>	<b>100%</b>

The proposed cost of the project is as follows:

Sl. No.	Details	Cost in Rs.
1	Machine Cost	3,10,000
2	Furniture	30,000
3	Working capital (Shed deposit, electric connection deposit, Miscellaneous and preoperative expenses)	65,000
	<b>TOTAL</b>	<b>4,05,000</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

- Growing awareness among entrepreneurs about the need for modernization, managerial and technical skill.





- **Unspoiled and less crowded diving sites** - The rural area provides a unique diving experience with pristine waters and a low density of divers, which results in a more serene and peaceful experience.
- **Natural beauty** - The rural area offers stunning landscapes and diverse underwater environments, providing divers with a breathtaking underwater world.
- **Affordability** - Scuba diving in a rural area is typically less expensive compared to popular tourist destinations, providing an opportunity for budget-conscious divers to experience the underwater world..
- The cluster members are having good coordination among themselves and are serious about resolving cluster problems.

## II. Weakness

- **Limited infrastructure** - The rural area may not have the same level of dive centers, equipment rental, and transport services as popular tourist destinations, making it difficult for divers to access and prepare for their dives.
- **Lack of qualified dive instructors** - The rural area may have limited resources in terms of qualified dive instructors and certified dive schools, making it challenging for divers to receive proper training.
- **Limited marine life** - The rural area may not have the same level of marine life diversity as popular tourist destinations, providing a less exciting diving experience for some divers.

## III. Opportunities



- **Ecotourism** - Scuba diving in a rural area can help promote sustainable ecotourism and support local communities.
- **Diversifying dive experiences** - The rural area provides the opportunity for divers to experience different underwater environments, such as shipwrecks, caves, and lagoons.
- **Raising awareness** - Scuba diving in a rural area can help raise awareness of the importance of protecting the underwater world, and help promote conservation efforts. There is huge scope for cluster product diversification and for value added product development that can be achieved through training the cluster members.
- Modern process machinery that can give better productivity and quality as well as special features for the final products are available globally.

#### 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 to this industry is due to lower price at the beginning and JLG members need to work hard.
- **Environmental degradation** - Poorly managed and unregulated diving activities can result in environmental degradation, which could impact the quality of the dive experience and harm marine life.



- **Health and safety risks** - The rural area may not have the same level of health and safety measures as popular tourist destinations, and divers may be exposed to higher risks.
- **Limited marketing and promotion** - The rural area may not have the same level of marketing and promotion resources as popular tourist destinations, making it difficult for divers to find out about the area and plan their diving trips.

## **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 RESULTS**



## 13. FINANCIALS

### CASH FLOW STATEMENT

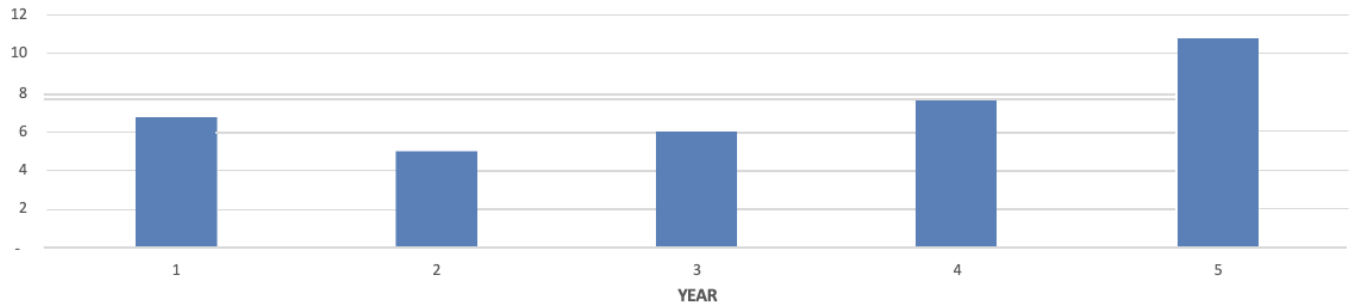
Particulars	Year				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b><u>REVENUE FROM SCUBA DIVING TRAINING AND EVENTS</u></b>					
No. of Months in a Year	12	12	12	12	12
Less : Off Season months	6	6	6	6	6
No. of Working months in a Year	6	6	6	6	6
Events For Families and Friends (Rs.25,000 per Event)	6,00,000	6,60,000	7,92,000	9,90,000	12,87,000
Training for students (Rs 5,000 per Student per month)	18,00,000	19,80,000	23,76,000	29,70,000	38,61,000
Summer and Winter Camp (Rs.10,000 per student)	2,50,000	2,75,000	3,30,000	4,12,500	5,36,250
<b>Gross Revenue earned per annum - A</b>	<b>26,50,000</b>	<b>29,15,000</b>	<b>34,98,000</b>	<b>43,72,500</b>	<b>56,84,250</b>
<b><u>EXPENDITURE</u></b>					
Salaries and Wages	9,00,000	9,90,000	11,88,000	14,85,000	19,30,500
Instructors salaries	10,80,000	11,88,000	14,25,600	17,82,000	23,16,600
Equipment Maintenance	50,000	55,000	60,500	66,550	73,205
Medical and Food Expenses	21,000	23,100	25,410	27,951	30,746
Advertising and Marketing	60,000	66,000	72,600	79,860	87,846
Miscellaneous Expenses	36,000	39,600	43,560	47,916	52,708
<b>Total Expenditure - B</b>	<b>21,47,000</b>	<b>23,61,700</b>	<b>28,15,670</b>	<b>34,89,277</b>	<b>44,91,605</b>
<b>Net Profit before Interest /Cash Flow (A-B)</b>	<b>5,03,000</b>	<b>5,53,300</b>	<b>6,82,330</b>	<b>8,83,223</b>	<b>11,92,645</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	5,03,000	5,53,300	6,82,330	8,83,223	11,92,645
Loan Repayment					1,05,450
Interest on Term Loan	36,965	79,389	87,268	95,929	5,505
	37,750	31,566	23,687	15,025	
<b>Debt to be Served</b>	<b>74,715</b>	<b>1,10,954</b>	<b>1,10,954</b>	<b>1,10,954</b>	<b>1,10,954</b>
Debt Service Coverage Ratio	7	5	6	8	11
<b>AVERAGE DSCR</b>	<b>7</b>				

**DEBT SERVICE COVERAGE RATIO**



### **BREAKEVEN ANALYSIS**

Investment Value Including Margin Rs. 450000

	Year 1	Year 2	Year 3	Year 4	Year 5



Year ended	Projected	Projected	Projected	Projected	Projected
Cash Flow as per Statement of Income	5,03,000	5,53,300	6,82,330	8,83,223	11,92,645
Less : Interest on Loan	37,750	31,566	23,687	15,025	5,505
Less : Estimated Drawings/Personal Expenses	2,51,500	2,76,650	3,41,165	4,41,612	5,96,323
<b>Net Cash Flow</b>	<b>2,13,750</b>	<b>2,45,084</b>	<b>3,17,478</b>	<b>4,26,586</b>	<b>5,90,818</b>
<b>Cumulative Cash Flow</b>	<b>2,13,750</b>	<b>4,58,834</b>	<b>7,76,313</b>	<b>12,02,899</b>	<b>17,93,717</b>
<b>Break Even Investment (in years)</b>		<b>1 Year and 11.6 Months</b>			

## DETAIL REPAYMENT SCHEDULE

Year	Quarter	Loan Installment	Principal Payment	Loan Outstanding	Interest at 9.5%	Cumulative Interest
1	1	9,619	-	4,05,000	9,619	37,750
	2	9,619	-	4,05,000	9,619	
	3	27,739	18,264	3,86,736	9,475	
	4	27,739	18,701	3,68,035	9,038	
2	1	27,739	19,149	3,48,887	8,590	31,566
	2	27,739	19,607	3,29,280	8,132	
	3	27,739	20,076	3,09,204	7,662	
	4	27,739	20,557	2,88,647	7,182	
3	1	27,739	21,049	2,67,598	6,690	23,687
	2	27,739	21,553	2,46,045	6,186	
	3	27,739	22,069	2,23,976	5,670	
	4	27,739	22,597	2,01,379	5,141	
4	1	27,739	23,138	1,78,241	4,601	15,025
	2	27,739	23,692	1,54,549	4,047	
	3	27,739	24,259	1,30,290	3,479	
	4	27,739	24,840	1,05,450	2,899	
5	1	27,739	25,434	80,015	2,304	5,505
	2	27,739	26,043	53,972	1,695	
	3	27,739	26,667	27,305	1,072	
	4	27,739	27,305	(0)	433	
<b>Total</b>		<b>5,18,533</b>	<b>4,05,000</b>		<b>1,13,533</b>	<b>1,13,533</b>





**VISION  
KARNATAKA FOUNDATION**

**Designated Contact Details for this project**

Email ID : [contact@vkfoundations.org](mailto:contact@vkfoundations.org)  
Mobile : 9845938269 / 9986024478 / 9902256304  
Website: [vkfoundations.org](http://vkfoundations.org)

