



Annual Report 2023 - 24

Creating a difference in the lives of the poor in Sundarban



Joygopalpur Gram Vikash Kendra

Basanti, Sundarbans

West Bengal, India, Pin Code - 743312

www.jgvksundarban.org

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Message from the Secretary

Joygopalpur Gram Vikash Kendra (JGVK) completed 23 years on May'2024 of the development work for the poor, marginalized people of Coastal Sundarbans. During this period JGVK tried to provide and ensure food security among the poor people through better management of natural resources likes land, small animals and pisciculture. These also enhance their income. Through the establishment of pre-primary to high school, we are trying to provide inclusive and quality education among the deprived children of Coastal Sundarbans. Livelihood development of poor women through skill upgradation, assure support and linkage building ensures 2500 poor women to earn decent income through collective work.



Conservation and development of rich biodiversity and fragile eco-system of Coastal Sundarban are continuously one of the priority works. Sustainable use of rain water and underground water and adaptation to climate change is our commitment to ensure availability of natural resources like water for our future generation.

All our programmatic interventions are based on the local needs expressed and articulated by the women, farmers and youth groups. These are also link with national priorities and global goals. The approaches of our work are on direct work with the poor community, research ("Practitioners-Researchers-Engagement "PRE") with academic and research institution and interactions Dialogue with the Governing Institutions are the three pillars of our work. The women producers' group, farmer's family groups are now confidently dealing with different institution for their requirements and marketing of products.

Through the collaboration with the academic institutions, the villagers develop their skill for the preparation of bio-fertilizer, establish maintain and manage algae park. Establishment and maintenance of bio-diversity conservation and education park, improvement in the design, content of our training programmes and certification. Technical guidance for the development of our farm. The continuous data collection and its analysis on the availability of ground water, rain water, in the tube well, borewell etc. and consumption are another area of collaboration with academia. The mapping of vulnerable embankments of Sundarbans rivers, mapping of stagnant drainage channels and its analysis are other types of people centered, people managed research. The findings are regularly share with concerned administrative departments.

We deeply acknowledge the support, guidance we have received from our partners, supports and donors. I am deeply expressing my gratitude to IGF-Denmark, UBU-Denmark (the centre for sustainable development), Danish Technical University, Holdor Topsoe family of Denmark, Joy du Bengale - Paris for their continuous support and encouragement in our work. I am also thankful to government departments, governing institutions, academic institutions and individuals who are constantly supporting us. Finally, I appreciate the local villagers, community and my colleagues and volunteers of JGVK who are supporting and working for the organisation for creating a change in the lives of the poor in Sundarbans.

Thank you
September'2024

Biswajit Mahakur

About The Organisation, JGVK

Name of the Organisation Joygopalpur Gram Vikash Kendra (JGVK)

Address and contact person

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Vision: To secure basic livelihood and equal rights for all and sustainable development in the social, economic and environmental context.

Mission: To improve the quality of life of the poor and marginalized, by enhancing food and social security, through an empowered Civil Society in West Bengal and Odisha.

In practical terms, the six elements of this mission are:

1. Sustainable use/consumption and management of local natural resources.
2. Food security through promotion and practice of organic farming and use of nature-friendly technology.
3. Secure livelihood opportunities through access to and use of new skills.
4. Assured access to quality education, protected water supply, adequate health services, drainage and sanitation.
5. Develop strong village institutions whereby the entire community is involved in the planning, implementation and monitoring of development work.
6. Community based research on preparedness for disaster response and climate change.

Areas of Operation: The main operational areas of JGVK are the districts of North and South 24 Parganas of West Bengal State. The district of South 24 Parganas is comprised of 29 Development Blocks. Among them, JGVK's operations are primarily concentrated in the Basanti block, one of the poorest blocks in the district and in the Gosaba, Kultali blocks. In the district of North 24 Parganas, JGVK operates in a few selected Gram Panchayats – on its own as well as through partner organisations. JGVK also runs a home industry programme in the Birbhum district of West Bengal and in the Bhadrak and Balasore districts of Odisha.



Strategy of Operation: As a rule, the operations are channeled through organisations which are led, controlled and managed by women. JGVK used 50 women-run village committees and over 2500 women's groups with membership of over 30,000 women.

Legal Status: JGVK is a Society, registered under the Societies Registration Act of West Bengal, since May 2001. For receiving and using foreign funds, JGVK is registered under the Foreign Contribution Regulation Act (FCRA) of the Government of India, since 2005.

Governance: The Governing Board is the statutory body for the management of JGVK's affairs. The board consists of 7 members, among them four are women. The Governing Body performs the following functions:

- Making institutional policies for programmes, funds and human resource management, administration etc.
- Reviewing institutional performance periodically and take appropriate measures.
- Approving annual plan and budgets.
- Approving annual audits.

The Governing Body meets at least 4 times per year.

The Governing Board is responsible to the General Body of members, consisting of 36 persons. The General Body of members and the Governing Board come together once a year at the Annual General Meeting (AGM) to review and approve the annual programmes, the annual plan and the audited accounts of the Society.

Total number of Staff and Volunteers (March'2024): 205

Accounting/Financial Management: The entire Financial Accounting is maintained on a double-entry book-keeping basis and follows the accounting principles laid down by the Institute of Chartered Accountants of India. The Accounting system is fully computerized and uses the TALLY Prime software.



Summary and Key Achievements

1. Successfully completed the project "Citizen's engagement in monitoring their water resource and consumption - A citizens participation interventions in Basanti Block".



2. Two new projects "Water and Adaptation to Climate Change in Sundarbans- Solutions to water Availability, Quality and Supply" and "Micro Water Management Toolkit for Sustainable Water Resource in Climate Vulnerable Coastal Belts of Basanti Block" have started from September'2023 covering 5 blocks, 12-Gram Panchayats and over 60 villages from January 2024.

3. Performance in the Madhyamik board examination'2023 was very good. Out of 34 students appeared for the examination 23 passed in the first division, with 9 students letter marks (received over 75% marks) and 3 students secured over 90% marks.
4. Swami Suddhatmananda Ji Maharaj joined as Principal of our school "Vivekananda Siksha Niketan".
5. A new collaboration started with Common Wealth Educational Media Centre for Asia (CEMCA) for skill development of local youths. Two 15 days each training was organised during April and May on Scientific Aquaculture and Organic agriculture followed by on-site guidance and follow-up support. 40 youths awarded with certificate jointly from Netaji Subhas Open University and CEMCA- New Delhi
6. JGVK was offered a space in the "Jaiba Hut" (market place for organic products) by the organic products promotion Board, Government of West Bengal. From October JGVK was sending fresh organic vegetables and other local products of local farmers to this hut.
7. In January JGVK team participated in the "India International Science Festival (IISF)" held at Faridabad, Haryana. JGVK team made a presentation and set-up a stall for sale of local handicrafts and other products.
8. A group of VSN student's along with their teachers were invited to perform in the Durga puja festival at Avisikta-1 Housing Complex, Kolkata.

Inclusive And Quality Education Programme

Spread of education among the children is still an important priority area of the organisation. The objective is to ensure inclusive and quality education through the establishment and functioning of model primary and high schools. Since 2003 the organisation established three primary schools and one high school one primary and one high school are located at Joygopalpur Village and two other primary schools are located at Bermajur-II Gram Panchayat of Sandeshkhali-II block and Amlamethi, Bali Gram Panchayat in Gosaba block respectively.



Vivekananda Shiksha Niketan, Joygopalpur: The important information and activities are as follows:

1. Student strength: The student strength during the beginning of the year and end of the year given in table below.

Table No. 1: VSN Student strengths Primary Section, 2023-24

Sl. No.	2023		2024
	Class	Students	Students
1	KG	19	34
2	LKG	49	46
3	UKG	44	58
4	I	53	53
5	II	29	58
6	III	38	37
7	IV	44	46
	TOTAL	276	332
	Teachers	18	23
	Non-teaching Staff	3	3

The above table shows student strength increased about 22%. The maximum increase is in the class-II. This shows parents are interested to admit their children right from the primary, pre-primary stage.

2. In the class-IV block level scholarship examination out of 30 students appeared, one secured ranked position in the block, 27 passed in first division.
3. Along with school curriculum, co-curricular and extra-curricular activities are important activities in the school. These include drawing, singing, dance, musical instruments, games and sports. Performing

different programmes, speech, recitation, writings etc. students participate in the celebration of various important days. They prepare themselves under the guidance of teachers.

4. Teachers training an important activity. In addition, regular discussion and trainings among the teachers, orientation by the senior teachers, principal, external trainers cum educators were also organized of related topic. Trainer from Denmark also conducted practical training with demonstration on how to manage class room.
5. Parents/guardians are also an important a stakeholder of the schools. Parent-teachers' meetings were held on quarterly basis. The class-wise attendance of parents on average was over 75% during the year.
6. New principal Swami Suddhatmananda Ji Maharaj joined in the school in November.
7. A separate school building for primary section to be constructed next year. All necessary preparations were completed.



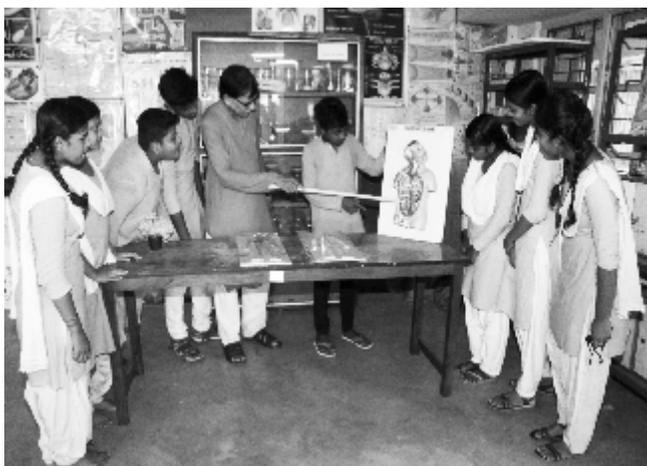
High school section:

1. The following tables provide the class-wise students strengths during the years.

Table No.2: VSN Student strength during 2023 and 2024

CLASS	BOYS	GIRLS	TOTAL
V	27	24	57
VI	27	16	43
VII	39	15	54
VIII	20	17	37
IX	19	12	31
X	7	12	19
TOTAL	132	84	216

CLASS	BOYS	GIRLS	TOTAL
V	49	37	86
VI	27	30	57
VII	42	20	62
VIII	36	24	60
IX	19	19	38
X	18	11	29
TOTAL	191	141	332



2. Like primary section, extra-curricular and co-curricular activities are also important in the high school as well. Students plan, prepare and perform cultural programmes in the school, participate in the outside events like sub-divisional level drawing, singing competition and received prizes.
3. Students' performance in the Madhyamik examination during 2023 and 2024 are satisfactory. The following tables provides the performance of students in the examination and subject specific performance.

Table No. 3: Results of VSN students in Madhyamik Examination 2023 and 2024

Sl. No.	2023		Sl. No.	2024	
	Students secure marks (in %)	No. of student		Students secure marks (in %)	No. of student
1	90 & Over 90%	3	1	90 & Over 90%	0
2	80 & Over 80%	6	2	80 & Over 80%	0
3	75 & Over 75%	3	3	75 & Over 75%	4
4	60 & Over 60%	11	4	60 & Over 60%	9
5	45 & Over 45%	10	5	45 & Over 45%	6
6	Below 45%	1	6	Below 45%	0
		34			19

Table No.4: Subject-wise performance of students in Madhyamik Examination 2023 and 2024

Sl. No.	Subject	Obtained marks			
		2023		2024	
		(90 & Over 90%)	(75 & Over 75%)	(90 & Over 90%)	(75 & Over 75%)
1	Bengali	3	12	1	1
2	English	0	9	0	1
3	Mathematics	5	3	0	1
4	Physical Science	12	7	0	4
5	Life Science	8	8	0	9
6	Geography	14	8	9	6
7	History	2	6	2	2
	Total	44	53	12	24

4. The school set-up science laboratory for practical learning, computer lab learning for their access to websites and expand their knowledge base.
5. Parent/guardian teachers' meetings were held during each quarter. The participation of guardian was over 75% in the meetings. Guardians provide suggestions and these are followed-up. In addition, school management committee meets twice in a year and discuss, decide on important issues. The teacher's council's along with Secretary, principal manage the day-to-day functioning.
6. Trainings of teachers, orientation of new teachers are important ongoing activities. In addition to in-house study group, orientation planned. Trainings are also organized, outside educators including trainer from Denmark Mr. Erland R. Andersen, an educator from Denmark conducted training programme on "teaching process of Mathematics" and on Electricity during May 27-31 and August 12- 16th. respectively.

Sundarban Holdor Topsoe Education, Tourism Centre

This centre developed with financial support from the Holdor Topsoe family fund. The third-floor extension part were constructed with support by a Calcutta based business family. The objectives of this centre are:

- School, college and university students linking their theoretical curriculum learn practical exposure and experience from the field level situation and on unique eco-system of coastal Sundarbans
- The resource generated through the visit are being utilized for the running expenditure for the Vivekananda Shiksha Niketan.
- Provide high quality facilities and service to the tourists visiting the centre, rivers and forests of Sundarbans.

The three-storied building with 12 rooms with triple occupancy and 2 dormitories with 14 beds can accommodate 50 persons. All rooms are with AC, running hot water facilities. The centre has one well-equipped meeting room, one archeological museum having collection of exhibits of historical significance of Sundarban.

During the year over 400 students and teachers visited this centre. In the coming years more promotional work to be undertaken to attract more students and tourists as well.



Sustainable Water Resource Management Programme

The project "Water and Adaptation to Climate Change in Sundarbans" started from September 2023.

The overall goal of the project: To prepare the population for the changed giving conditions resulting from water-related hazards that is intensified by climate change. The project intervention areas are given in the table below.

Table No.5: Project intervention area

District	Block	No. Gram Panchayats
South 24 Parganas	Basanti	8
	Gosaba	1
	Kultali	1
North 24 Parganas	Sandeshkhali	1
	Hingalgunj	1
Total		12

Objectives of the Project:

- Villagers and authorities keep their area flood protected
- Villagers and institutions use groundwater sustainably.

Areas of intervention:

1. Advocacy to reduce groundwater irrigation in the dry season
2. Support farmers to grow other crops in dry season
3. Promote more rain water harvesting in ponds for irrigation
4. Solutions to reduce water losses in piped water systems and water waste from roof top reservoirs
5. Mapping of blockages in the drainage system by SHG members



6. Advocacy with owners and authorities to remove blockages by SHG members and CBOs
7. Campaign for "stop plastic" and other waste by SHG members and CBOs and involvement of school children in cleaning and campaigning.

Major activities carried out:

1. Training of Project staff (both technical and social) on the overall Project implementation process
2. Hand Mapping the River Embankments with GPs in 12 intervention GPs
3. GIS mapping of River Embankments with GPs in 12 intervention GPs
4. Identifying the vulnerable spots of river embankments (in all 12 intervention GPs)
5. Carrying out GP level Advocacy Meetings with PRI authorities in 12 GPs in Basanti Block
6. Volume of water lifted from various sources within the intervention area in 12 GPs in Basanti Block
7. Quantity of land irrigated with ground water through shallow pumps in 12 GPs
8. Training of all 41 Project staff on embankment protection by Dr. D. Maity, Professor of Botany, University of Calcutta, Dr. Subhash Acharya, Member, Sundarban Development Board
9. Survey of drainage system in all 12 intervention GPs has started Surveying the status of Water Users' Groups, Village Committees, Village Disaster Management Committees in 12 intervention GPs
10. Advocating with Forest Department for leveraging support mangrove nursery and plantation.



The Project 'MICRO WATER MANAGEMENT TOOLKIT FOR SUSTAINABLE WATER RESOURCE IN CLIMATE VULNERABLE COASTAL BELTS OF BASANTI BLOCK'



Project Objectives: About 45 to 50 IoTs (Internet-of-Things) low-cost water sensors, which are exported by DRYP and E & S, Denmark, are to be installed in suitable and feasible groundwater wells, rivers together with rain-gauges in Basanti Island. Data will be transmitted to a cloud server for quality assurance, analysis and presentation to users on mobile phones and PCs for monitoring and decision making on water management. Water users and the local authorities are responsible for water resource management.

Project Activities undertaken during January to March 2024: Five sets of Tool-kits (Sensors with Hubs) in 1st Lot were received from DRYP/ E&S, Denmark during end of February, 2023. One set of the Tool-kits was installed in a Tube Well at JGVK Campus on 14.03.2024; and another set of Tool-kit was installed in a Water Tank in the office building on 16.03.2024. These were installed by JGVK staff with a limited technical knowledge. The data were retrieved through the specified APP for the two Sensors.



A BRIEF TECHNICAL REPORT ON 'CITIZENS ENGAGEMENT IN MONITORING OF GROUND WATER RESOURCE AND CONSUMPTION' IN BASANTI BLOCK'



A Project, named as 'Citizens Engagement in Monitoring of their Ground Water Resource and Consumption' in all the 13 GPs of Basanti Block was implemented by JGVK. The Project Period was from 1st May, 2023 to 31st January, 2024. The main aim of this Project is to motivate or engage a class of the Citizens/Dwellers of Basanti block area to monitor or assess by themselves, the quantum of ground water extraction/withdrawal through all types of ground water abstraction structures in the area.

Over all purpose of the Project:

- Sustainable use and management of the Ground water resources in the area by the Citizens and the local Authorities
- Impart Training to the Citizens (preferably Members of SHG, if not all) of the area for regular monitoring of ground water withdrawal from all ground water-points.

The project approach:

1. Citizens (mainly women) keep collecting data on water consumption from each and every water-point
2. Reliable data are produced
3. Results are shared with authorities and the public.

The activities: 1. Register all water extraction points in 13 GPs of Basanti block 2. Measure regularly the water use from each extraction point 3. Water use is reported in an app we develop 4. Water web app app.jgvksundarban.org/dashboard 5. Results are visible to anyone on the internet 6. Results are shared with the local authorities and Govt. bodies.



Different Types of Water Extraction Points: (1) Hand Pump Tube Wells- Private/ Public/ Institutional (2) Motorized Pump Tube Wells (with or without roof top tank) Private/Public/ Institutional (3) PHE Operated Tube Wells (Pump Houses with pipeline supply)- Public (4) Irrigation Tube wells (popularly known as 'Shallow/ House')- Private.

The main outcomes of this Project: (1) Preparation of Data Base of all Ground Water Abstraction Structures (a Total of 4502 Tube wells) in all the 13 GPs of Basanti Block, through a developed net-

based APP (2) Analyses of generated data reveal that, a huge amount of ground water (say 65% of total ground water resource) is withdrawn through Irrigation Wells in uncontrolled and illegal way (3) General observation regarding pipe-line water supply through PHE pumps indicates that, the distribution systems are not properly controlled and the wastage of ground water is about 40% to 50% due to holes in pipes; destroyed & careless-running Taps; illegally pouring of piped-water into ponds etc. and due to which, people at the tail-end do not get minimum required water.



Sustainable Agriculture Programme

Activities:

- Empowerment: Establish, strengthen and consolidate farmer's organization and production in the FFGs.
- Seeking political influence: Make the farmers in the FHGs able to advocate their problems to the duty bearers of national programs on farming and dikes.
- Political change: Makes the authorities accountable for the national programs in relation to farmers.



Total targeted farmers – 800 Model farmers – 226

Coverage: The project coverage details are given below:

Table No.6: Coverage

Village names	No. of farmers	Village names	No. of farmers	Village names	No. of farmers	Village names	No. of farmers
Birinchi Bari	38	Joygopalpur	31	Ram Gopalpur	43	Maheshpur	39
Hiranmoypur	40	Jyotishpur	35	Ram Krishnapur	40	4 no. Bharatgarh	40
Bidhan Pally	37	Hare Krishnapur	40	Godkhali	40	Jhup Khali	41
Nehru Pally	38	Ranigarh	41	Sadhupur	37	Kalidaspur	38
Radharanipur	40	Purandar	40	Banikhali	40	Chotto Mollakhali	34

The strategy:

- Formation of farmers group (farmers producers' group). In each of the 20 project villages two groups covering 20 farmers were formed. Both husband and wife in the family are the members.
- Groups to function independently with co-operation among the members. The group members to work collectively. They meet at regular intervals to plan their activities, review the work, share experiences.
- Formation of farmers producers' group to sale their products collectively.
- Each family to cultivate two bigha of land (approximately 0.70 acres) of their agricultural land through organic/natural farming process.



- Maintain regular contact with respective gram panchayets and related government departments.

Major activities

1. Introduction of new crops: After successful experiment and demonstration in the farm, different varieties of pulses and oil-seeds are introduced in the farmers land. This was done after the harvesting of paddy. When moisture also available in the soil. Potato also a new crop introduced in the area.
2. New method of cultivation: Includes leafy vegetables with fruit trees, aquaculture with animal rearing (duckery) and paddy/vegetables along the pond sides. Gradually more and different methods are being introduced with emphasis on maximum utilisation of land and increase production.



3. Collaboration with other programme: In collaboration with sustainable water resource management programme, more areas are being covered under the SRI method of paddy cultivation, minimum use of underground water in paddy and vegetable cultivation.
4. Collaboration with academic institution: Under the guidance of Prof. Ruma Pal, Department of Botany, Calcutta University an "Algae Park" is develop in the JGVK campus. The use of different varieties of algae for fertilizer is now use by the farmers. Dr. Krishnendu Acharya of same department develops another lab for the experiment of bio-fertilizer, pesticides and insecticides at the demonstration Farm. Based on the successful experiment now

production also started. (2) In collaboration with the Netaji Open University, classes for diploma course of organic farming and Horticulture were conducted at JGVK. During the year two one-year course are conducted by the staff of agriculture programme. One batch started from January 2023 and another batch from June 2023. The coverage of students are 42 (6 female) and 28 (2 female) respectively.

5. Collaboration with government departments: (1) State bio-diversity board provided technical and financial support for renovation of "Seed Bank" at the farm and establish five other "Seed Bank" at the village level. The purpose of Seed Bank is to promote and use traditional varieties of paddy, pulses, oil seeds and vegetable seeds. Local villager's women in particular collect seed from these banks and return after the use so more and



more people use these seeds in their land. During the year 157 farmers collected paddy and other seeds, 75% of them already return same quantity seed along with 10% extra (2) In collaboration with department of science and technology and department of environment trial for traditional paddy/rice varieties were conducted. 10 progressive farmers with 2 bighas of land are undertaken for trial. Detail documentation was done throughout the cultivation period (3) In September 2023 organic products promotion board, government of West Bengal, JGVK was offered a space (shop) in the newly built "Jaiba Hut" (organic market) at Rajarhat. The vegetables, rice, pulses, animal and fish products from the farmers of project villages, producers' group are being collected by JGVK and supplied and sold through this shop (4) Collaboration established with the block level ADO offices of Basanti, Gosaba, Sandeshkhali-II



blocks. Model and other project farmers collect various certified seeds, fertilizers and other agricultural inputs from these offices. Agriculture office of Basanti block decided to collaborate with JGVK to develop Joygopalpur Village as "organic village". Necessary trainings of farmers and other activities are also planned jointly.



6. Trainings and exposure: The 30 team members and model farmers regularly train by the external experts like Dr. Anupam Paul, Dr. Krishnendu Acharya, Dr. Ruma Pal, eminent scientist, experts on the subjects, local agriculture officers and others including senior staff of JGVK. The areas include functioning of farmers group and how to perform various functions, collection

process and analysis of soil, crop cycle, introduction of new crops and new methods, collection and maintenance of regular information (coverage production etc.) are also covered. The staff in turn conduct orientation, information sharing meetings with the project farmers, model farmers. Farmers also participate in the workshops to share experiences and learn from each other's, introduce new learnings in their field. Farmer's conference is an important activity during the year. During the year four conferences are organized. In these conference farmers listen to the experts, specialist and interact with the experts on their problems.

7. Development of agriculture farm: JGVK in addition to seed bank, "Algae Park", production of organic fertilizer, pesticides, insecticides, maintenance of bio-diversity conservation and education park, experiments are conducted through trials of new varieties of paddy, vegetables and fruits trees. These are shared with the model farmers and others. This demonstration process has also created a positive impact. All the farmer's trainings, workshops have compulsory sessions of the farm visit. In fact, most of the training is conducted at the farm.

Sustainable Management of Aquaculture

Villages of Sundarban and Coastal areas in particular are covered with small and medium size ponds. Every household having at least one small or medium size pond. However, most of these ponds are utilised for bathing, washing and cleaning purposes. Piscicultures in these ponds are minimum and more so in Basanti block than few other development blocks in Coastal Sundarban. Therefore, 2007-08 JGVK decided to develop fish farming through scientific management of pond thereby improve the income and nutrition security among the poor people. For this JGVK through IGF-Denmark receive technical guidance from Danish Technical University, Bangladesh Technical University and few other institutions including international fisheries forum. JGVK also established a hatchery for production of good quality fish juveniles for the local fish farmers. Since then, aquaculture was improved and the income among the local farmers also enhanced.

During the year, programme focus on the following three objectives:

- Guidance to the local farmers of pond preparation to different aspects of fish farming, thereby improve their income.
- Production and supply of good quality fish juveniles from the nursery ponds and sale of different varieties of fish to the local farmers and buyers.
- Conservation of small and local fishes.

Actives undertaken during the year:

1. Guidance and hands-on support provided to the thirty fish farmers to develop their pond as a nursery pond. All of them earned Rs.25,000 to 30,000 within three months by the sale of finger links.
2. All the targeted 800 farmers were supported on scientific preparation of pond like de-watering of water, cleaning/removal of mud, use of various materials etc. Then during the pond preparation, production of fish, maintenance of water quality like Ph, CoD, BoD are measured on a regular basis. In addition, proper feeding of fishes are maintained. In this process fish production also increased.
3. Production: During the year: (1) 10 hatching produce 400 bati of fish spawn. Out of total production 223 bati was sold to the 36 local farmers at a subsidized rate. Balance 177 bati placed in the five nursery ponds in the campus. (2) Total 445 kig. of good quality fingerlings sold to the 69 local farmers at a no profit no loss basis (3) In the 14 ponds in the campus produce 760 kg. of fish and sold in the market
4. New initiative: During the year experimental hatching was done for Mangur fish and shortly hatching will be done in a commercial basis. In addition, production started for cat fishes as well.
5. Conservation and production of small and indigenous fishes: During the year with technical guidance and financial support from the State Bio-diversity board, set-up a "Abhay Pukur" (conservation of small indigenous fish species) on experimental cum demonstration pond in the campus. Similar initiative also



Scientific Management of Animal Husbandry Programme

undertaken. In each of the 13 panchayats in the Basanti block. In some of the gram panchayats more than one "Abhay Pukur" also develops. In addition, 20 natural habitats were created for the breeding ground of small fishes. In the coming period more such ponds will be developed.

After registration in 2001, this was one of the first interventions JGVK started in 2003 covering six villages. Since then JGVK continued to support local villagers particularly among the poor women to undertake better management of animal rearing. The main purpose continues to enhance income and nutritional security among the poor families, children and women in particular.

During the year programme objectives are as follows:

- To extend regular guidance and support to the women for improved management of animal resources like poultry birds, duck rearing, goat and pig rearing.
- To provide exposure and training through our experimental, demonstration, production and extension farm. Also provide animals at a subsidized rate.
- Production of small animals in the farm.

Based on the above objectives following major activities are undertaken.

1. All the targeted farmers covering 20 villages were provided training on better management of animal resources. These include proper construction and cleaning of animal room (habitat), immunisation at appropriate time, proper feeding etc. In addition, they receive all the necessary immunisation, medicines from the BLDO office. JGVK teams facilitate this linkage.
2. Organaised regular exposure cum demonstration visit in the farm. The women receive practical exposure.
3. Provided small poultry birds, duck and piglets among the targeted women. In addition, small hatching machine in the farm extended facilities among the women to hatch their poultry eggs and carry back the chicks.
4. The farm also produces multiplier the animals like pigs, different varieties of poultry birds and duck. Also played an important role in procuring high quality small animals to provide production at the household level. This also fetches high return as well. On average every household earn Rs.3,000/- per month by just maintain few small animals.
5. New development: Few women now developing medium sized poultry unit.
6. JGVK regularly maintaining contact with BLDO office. BLDO as well as their field staff extend all the available facilities among the villagers through regular visit at the household. BLDO also visit JGVK farm twice in a month and provide necessary suggestions.



Livelihood development programme through development of cottage and home-based industry

Plan: JGVK will procure a higher capacity hatching machine which enable more production (2) Promote more bigger size poultry farm through producers group like one being develop at Maheshpur village.

This programme is one of the important initiatives of the organisation and going on since 2008. The primary emphasis of this programme is to develop skills and improve existing skills for the poor rural women on home based and hand-made products, provide guidance for procurement of raw materials, equipment's, organise them in, groups (producers groups) and extend marketing linkage. In the past 18 years. Over 2500 rural

women of coastal Sundarban provided trainings on soft toy making, hand and machine embroidery, woollen garment, stitching garments from Tasar and cotton fabric etc. The basic focus of this programme is to increase income among the rural poor women through skill upgradation and other related support and allow them to function independently.



Important activities during the year - the activities include the following:

1. **Training:** Three trainings were organised includes one under the guidance of two Danish garment designers.
2. **Participation in festivals:** JGVK women participate with their products in different exhibitions. These includes exhibition cum sale outlet at India International Science Festival (IISF) held at Faridabad, Haryana during January 16 – 21'2024. The team also participated in the Canning Sub-divisional Festival.
3. **Production training:** Men and children's dress, woollen garments and other utility materials like different types of bags. This unit supply 80% of the school uniform of Vivekananda Shiksha Niketan. The spinning unit in collaboration with Khadi board also produces thread from raw cotton supplied by khadi board and they collect the finished product.
4. **Basundhara Udyog:** The production of different types of spices (turmeric, chilly and many other spice powder) and other materials processed, packed and sold in the local market. This activity is going on since 2015-16.
5. **Sale outlet:** The products of are being sold through a sale outlet located just outside the campus. In addition, the products are also sold through local shops in different markets in the area and wholesale buyers as well.
6. **Sundarban mangrove women's Co-Operate Society Limited:** This society formed and registered in 2021. The 105 (now extended to 109) engaged in women dress making and sold in the local markets during puja festival season. They are planning to start higher scale garment production unit. In the coming period these women to function as an independent entity.
7. **Other support:** The programme continued with regular guidance and support related to procurement of raw materials at a competitive price and good quality of raw materials, repairing of machines, equipment's, procurement of new machines, support in bulk marketing, build linkages with other facilities.

Social Health Programme

The Sundarban Social Health Project (2008 to 2020) has created a positive impact on the women and children health of 20 villages in Basanti block. The impact includes reduce infant mortality rate, almost 100% institutional delivery, improved quality services of ICDS centres and sub-centres, improved health care for infants, almost 100% coverage of immunization etc.



From 2021 "Arogya Sutra Diagnostic centre" and OPD clinic started functioning. In this centre different diagnostic test like X-ray, ECG, USG, Pathological tests etc. are conducted at an affordable price. The pathology laboratory attached to the centre provides blood and other tests for local population. The OPD clinic attended by general physicians and specialists Doctor like eye, child, gynecology and dentist. Few more specialist doctors will join the clinic shortly. These include USG specialist also. The pharmacy attached with the clinic provides medicine and medical products among the villagers. One general physician stays in the campus for five days in a week.

This centre developing with a support and donation from people and well-wishers of the organisation. These include purchase of different machines and equipment's. The 200 strong staff members and local volunteers also contributed. It is expected that the clinic and OPD will achieve financial sustainability shortly. These facilities provide immense support and benefit to the local villagers which includes children, women and elderly as well.



Model Village Programme

The concept of "Model Village" emerged in 2016. Through all the above-mentioned activities being cover in different villages/areas of Sundarbans. To develop a particular village model has also created. However, in the natural process, through ongoing interventions different infrastructure and facilities are developed/developing in Joygopalpur Village. These includes more primary and high school, experimental cum demonstration agriculture farm, fish prawn hatchery unit, cottage industry training cum production centre. These facilities directly benefiting Joygopalpur villagers and nearby villages as well.



During the year in collaboration with Commonwealth Media Centre for Asia (CEMCA), New Delhi under the concept of "Skill as a Driver of growth" two systematic planned skill development trainings were organised. These are 15 days trainings on sustainable fish farming and sustainable agriculture. These trainings were held during the month of April and May. The course curriculum was developed in collaboration with the Netaji Subhas Open University. 42 village youth undergo these trainings. They are all from Joygopalpur Village. After the trainings they were also supported for project preparation and guidance for access support. To attract and encourage other youth in the village intensive campaign was organise through wall writings, drawing, sketches highlighting the "Animal rearing" and "solar technicians" are also

importance of these initiative. Two more trainings planned.



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JGVK – JDB Partnership

- Comfortable reading, writing and on simple calculation among the middle-aged low literate women.
- Conduct three-month duration "women community school" for middle-aged literate women from poor families to develop leadership skills, orient them on various facilities available for them from the government, other institutions and process of its access.
- Support to women entrepreneurship initiative, under these programmes financial as well as production and marketing support being provided to the women.
- Student sponsorship programme: The main objective is to provide all round support to the poor children for continue their education.



During the year, following activities are carried out:

1. Women community school organised with 25 women at Radharanipur Village of Jyotishpur Gram Panchayat. Classes were held every Saturday and Sunday for three hours. During the three months total 20 classes were held on different aspects of leadership building, so they can play an active, forward-looking role for village development. Also provide basic information on various government scheme, how to access these facilities etc. Staff from JGVK as well as local government officials like – BLDO, Agriculture officers, Gram Panchayat Officials etc. also oriented the participants.
2. Three women were supported with Rs.20,000/- each from the revolving fund to supplement their business. In addition, guidance also provided to them for marketing linkage. This guidance also extended to few other women as well.
3. Thirty-nine students, majority of them are girls were supported for their education. Some of them are receiving the support for the last 10 years, like Shreya Maity, Mita Roy, Latika Mondal, Riya Bain are going to complete their graduation level studies. While others are studying in different classes at school levels. The support includes tuition and coaching fees, books and other learning materials, uniforms etc. This support contributes immensely to the poor families to continue their children's education, particularly girl child's education.

This partnership also develops linkage with other individuals and organizations. For example, Mr. Sourav Mathur, introduced by JDB, supporting 16 school students for their education. One business group from Germany introduced by JDB shown interest in our clean and green energy initiative. Through this partnership preparation for a documentary film is being plan to document the work of JGVK and the partnership. This film to be utilised for raising fund to further strengthen the partnership.

Future Direction and Plan

2. To start higher secondary courses in the coming year from 2020-21 academic session.
3. To convert our entire campus from thermal energy to solar energy.
4. Completion of third floor of Sundarban Holdor Topsoe Education – Tourism Centre enabling to accommodate more outside students, teachers, researchers, tourists to stay.

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- Srma Matritirtha Mahila Samity
- Bermajur Janakalyan Samity
- Birinchibari Manab Kalyan Samity
- Kalidaspur Banani Society
- Kisholoy Taruntirtha, Gaighata
- Gramajyoti Voluntary Organisation (GJVO), Odisha
- Birinchibari Agragami Samaj Kalyan Samity
- Kendula Susthayi Tantu Samabay Samity, Birbhum

Summary of Financial Report

JOYGOPALPUR GRAM VIKASH KENDRA

CONSOLIDATED INCOME & EXPENDITURE ACCOUNT : 1 st APRIL 2023 - 31 st MARCH 2024

EXPENDITURE	Rs.	INCOME	RS.
Cost of Running Diff. Programmes	75,96,853	Cost recovery from diff. Programmes	68,80,170
General Expenses	6,17,614	Donations,Subscriptions	17,40,772
Repairs & Maintanance	1,56,430	Other Income	2,18,722
Depreciation on Assets	5,18,731	Depreciations trf, To Property Funds	5,18,731
Excess of Income over Expenses	5,37,805	Bank Interest	73,285
Bank Charge	4,247		
Expenses : FC Projects		Grant-in-Aid:FC Projects:	
Education	1,12,81,843	Education	1,12,28,396
Const. of Girls Hostel	24,54,764	Const. of Girls Hostel	23,19,348
SILFPS	55,86,851	SILFPS	48,47,085
CE.CCAM,DGBP	60,66,937	CE.CCAM,DGBP	58,17,733
Social Welfare	15,85,840	Social Welfare	19,32,576
Joy du Bengalle	5,06,027	Joy du Bengalle	0
Papri Paul & Calynn Dowler)	1,16,770	Calynn Dowler	82,090
TDS Deducted By Bank	11,200	Bank Interest	63,775
Total	3,70,41,912	Total	3,57,22,683
		Unutilized Balance : Add Prev.Year	58,86,872
		Less: This Year	45,67,643
		Total	3,70,41,912
Deprecciations on Asses	23,39,033	Depreciation trf. To Property Funds	23,39,033
Total	3,93,80,945	Total	3,93,80,945

CONSOLIDATED BALANCE SHEET : AS ON 31 st MARCH 2024

LIABILITIES	Rs.	ASSETS	Rs.
General Fund	2,10,309	Fixed Assets : NFC	1,04,35,921
Properties Fund : NFC	1,04,35,921	FC	7,02,19,834
FC	7,02,19,834	TDS & other Receivable	58,183
Small Entrepreneurs Devt. Prog.	8,30,549	Fixed Deposits	36,39,862
TCH Prog.	19,33,424	Project Advance	110899
Education- VSN Fund	27,96,922	Cash & Bank Cl. Balance : NFC	29,61,074
Sanitation Fund	5,43,525	FC -	45,67,643
Unutilized Grant : FC	46,25,826		
SETC Fund	3,67,106		
Expenses Payble	30,000		
Total	9,19,93,416	Total	9,19,93,416



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