

# ***ANNUAL REPORT*** ***(2011 – 2012)***



## **Paribesh Unnayan Parishad (PUPA)** **(COUNCIL FOR ENVIRONMENTAL DEVELOPMENT)**

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### **Rural Unit**

#### **AMARGRAM**

**Village : Phulbari, P.O. : Sagar Phulbari,**  
**Dist.: South 24 Parganas, W.B., INDIA**

# **ANNUAL ACTIVITY REPORT ( 2011 – 2012)**

**Paribesh Unnayan Parishad (PUPA)**  
(COUNCIL FOR ENVIRONMENTAL DEVELOPMENT)

## **Summary of Activities (2011 – 2012)**

1. Service provider scheme on organic farming (**under National programme on Organic Farming**) [Dept. of Agriculture, Govt. of West Bengal]
2. National Environment Awareness Programme (**NEAC-2011-12**)
3. **Biodiversity Conservation Park**
4. **Environmental Awareness programme** (during World Environment Day, World Earth Day, Forest Week, Wildlife Week etc.)
5. Vocational Training (Integrated Farming system, IFS for 6 months; Cutting & Sewing for 6 months; Food processing for 3 months) with support from **CDTP Scheme** of Jnan Chandra Ghosh Polytechnic, Kolkata.
6. Awareness programme (with support from **CDTP scheme**, Jnan Chandra Ghosh Polytechnic)
7. Miscellaneous activities (Pallisree Study Centre, Paryavaran Mitra Programme, Seed Bank, NCSC, Integrated Farm (model), etc.

## **REPORT**

### **Service provider on organic farming ( under National programme on Organic Farming)**

We have been selected as one of the service providers for promoting organic farming involving 1500 farmers from six villages of Sagar Island by State Agriculture Department under National programme on organic Farming.

#### **Purpose of the project:**

Empowering 1500 farmers (including women) of 6 villages of Sagar Island, S. 24 Parganas through proper mobilisation, motivation, behavioral change and skill development programme towards organic farming with emphasis on producing vermicompost, liquid manure, bio-pesticides and using/marketing with the idea of improvement of personal income and environmental conservation.

### Main objectives to meet the purpose:

- ⌚ Sensitizing the target farmers to the ill-effects of high external input agriculture (Chemical farming and the benefits of organic farming).
- ⌚ Exposing the targeted farmers to various awareness and orientation programmes related to organic farming;
- ⌚ Training in **Vermicomposting**, Heap composting, Bio-fertiliser, Livestock maintenance, Bio-pesticides, Amritpani, Beejamrita, Jeebamrita and other **Integrated organic Farming related activities**.
- ⌚ To help the farmers in initiating Integrated Bio-farming activities in their own land.
- ⌚ To establish some 'Demo Farms' of specific Crops (betel vine, vegetable and paddy)

### Detailed Summary of Activities

#### I. AWARENESS, TRAINING, etc.

Date	Progress as on date	Remarks
<b>Survey (Household)</b>		
1-15 Jan.,11	Survey of 1500 farming households from six villages completed within 15 January, 11.	Baseline report submitted on 16.01.11. During the survey, it was assumed that organic input could be effectively tried on betel vine yard, as most of the farmers agreed upon.
<b>Awareness programme</b>		
February	Awareness programme held with members of Pragati Farmers' Club held on 8.02.11 at Bamankhali Primary School, Paschim para	In the month of February Village-level Awareness Prg. were arranged on 07.02.11, <b>8.02.11</b> , 13.02.11, 14.02.11, 21.02.11, 22.02.11, 24.02.11, 29.02.11
March	Village-level awareness programmes were arranged for motivating the farmers and finding their needs.	In the month of March Village-level Awareness Prg. were arranged on 02.03.11, 04.03.11, 13.03.11, 15.03.11, 21.03.11, 27.03.11, 30.03.11, 31.03.11
<b>General remarks:</b> <i>In the first lot, 151 farmers</i> agreed to use vermicompost in their Betel vine yard on a trial basis. As they do not grow vegetables on a commercial scale, due to time constraint, use of organic inputs could only be possible in their Kitchen garden if organic inputs are supplied or techniques of preparation is taught.		
April -August	Emphasis was given on the supply of inputs (vermicompost, earthworms, Azophos, earthen pots, seeds of Sesbania, Sunhemp, etc) and also on the establishment of a Demo-Farm in the village Phulbari.	
24 Sept.,11	A public meeting was arranged at Mooriganga No-1 Gram Panchayat. Dr Dilip Kumar Das, BLDO attended and delivered a talk on livestock maintenance for sustaining the agricultural yield.	More than 60 farmers attended the meeting. Discussion was held on the importance of livestock on sustainable organic farming.

<b>Training Programme (organised)</b>		
19 Feb.,11	A training workshop was organised with members of Phulbari Farmers' Club and selected members of villages Phulbari.	Dr. P.Ray, Retd. Scientist, RMNH, Bhubaneswar was the expert and talked on bio-farming. Sri Sudipta Bhattacharya, SAFE, Kolkata, demonstrated the soil testing kits for easy assessment of soil quality.
25-26 March,11	Training programme held on 25-26 March,11 at Phulbari Sitala High School (expert- Prof. Subhash Santra, Dept. of Environment, Kalyani University)	Project coordinators along with 15 interested farmers and nearly 18 students of Phulbari School were present during the 2-days' training programme
11-12 May,11	This 2-days' training was organised by Mr. Tapas Mandal, Trg. coordinator & Ms. Soma Ray, trainer, DRCSC, Kolkata.	25 farmers attended the training programme. The experts visited the fields on 12 <sup>th</sup> morning in the village Phulbari
20 May,11	Training cum Evaluation workshop held on 20 May,11 at PUPA's office (100/6 Sreerampur North, Kol-84) in the presence of executive members of PUPA and the project coordinators (5). The said workshop was supervised by Ms. Malabika Datta Saha & Sri Ashoke Ghosal, experts on organic farming.	. Ms. Radhika Singh, British Council was invited for getting help in promoting organic products (agricultural) expected to be produced at Sagar Island.
29 June,11	An 'Awareness cum Training programme' was arranged at Sagar Recreational Service, Bamankhali on 29 <sup>th</sup> June,11 at 3 to 5 p.m. The programme was coordinated by Dr.A. Misra and conducted by Sri Vivekanada Bag, ADA	The techniques of using local resources as manure after conversion were discussed in detail. Mr. Bag invited our coordinators to the Block Agriculture Farm, Rudranagar for further motivation.
24 Sept.,11	A programme on the overview of organic farming was conducted by Sri Debashish Halder, Tech. Assistant 'All India Coordinated project on Sunflower', Nimpith KVK	More than 30 farmers and 10 students of Phulbari School attended the training programmes. It was tentatively decided that a "FARM SCHOOL" may be opened and run jointly by Nimpith KVK & PUPA.
15-16 Oct.,11	Vermicomposting training organised at village Phulbari & Bamankhali with support from JCG Polytechnic (CDTP Scheme).	More than 60 farmers were exposed to the training imparted by Sri Amar Das, Ex-ADA, Sagar Block.
<b>Training Programme (attended)</b>		
10-13 March,11	Zero Budget Natural Farming by Sri Subhas Palekar at Rajbandh College, Durgapur	Three coordinators attended the training imparted by Sri Subhash Palekar at Durapur.
5-8 Sept.,11	Training on Ecological Agriculture (Asha Training) organised by DRDSC at Bolepur, Birbhum.	Sri Ardhendu Chatterjee, DRCSC, was the expert. Chief Coordinator (Dr. A. Misra) attended the programme and visited the nearby fields where organic inputs are used.
<b>Meet the Expert</b>		
19 August, 11	Four coordinators from Sagar Is. attended the seminar discussion on Organic Agriculture held at Baruipur Farm during Farmers' Day Celebration By 'Agricultural Experimental Farm' at Baruipur, Institute of	We discussed with <b>DR. P. Bhattacharya</b> , Former Director, Centre for Organic Farming, Gaziabad, <b>Dr Sukanta Dasgupta</b> and Mr <b>Anupam Pal</b> during the seminar.

	Agricultural Science, CU.	
11 Sept.,11	Our coordinators interacted with <b>Humaun Kabir</b> , Atghara Sanghati Kendra, Atghara, who has earlier experience of implementing a similar project last year.	Techniques of motivating the farmers and some easy tips for organic input production & use was learnt.
20 August, 11	Our coordinators visited Nitro Fix Lab. and interacted with Dr. Mrinal Bose.,Dirctor of the Lab., for getting technical assistance.	Knowledge about Biofertilisers are essential, because these are important components in organic farming in addition to compost. We received more than 200 packets of Azophos foruse in the betel vine yard at Sagar Island.

## II. MATERIAL SUPPORT

1. Vermicompost Hatchery (bricks, polythene sheer & **composting earthworms**... ..... **four**
2. Vermicomposting pits (polythene sheet, **composting worms**) ..... **125 farmers**
3. Earthen Pots (50 litre capacity, for liquid manure) .....**110 farmers**
4. Vermicompost & biofertiliser (Azophos).....**3 tons (approx.)**
5. Ingredients for liquid manure (molasses, pulse four, etc.) ..... **more than 100 farmers**

## Results:

### I. Capacity Building

Considering the importance of motivation (changing mind-set) & capacity building of the community members on **organic agriculture**, which enables members of a community to draw on the skills and resources they need to take control and improve their farming activities, we organised awareness programmes, training programmes, regular field visits, expert meet, exposure visit, weekly meetings for coordinators. All these were arranged with an aim to ensure capacity building, an empowering experience for communities engaged in agricultural activities, so that their capacity is sustained after the programme ends.

**Table I : Capacity Building**

Programmes (organised)			Training/seminar (participated)		
Name of the Programme	No.of Programme	No. of Participants	Name of the Programme	No.of Programme	No. of Participants
Awareness	8	450 +	Seminar (Baruipur)	1	5

Programmes (Sagar)					
Training programmes (Sagar)	4	60 +	Training workshop (Durgapur & Bolepur)	2	5
Expert meet (Garia & Baruipur)	2	10 +			
Exposure visits (Bolepur & Patharpratima)	2	3			
Regular Field visits (Six villages)	Several (weekly visit)	Several			
<b>Total</b>	<b>16 +</b>	<b>523 +</b>		<b>3</b>	<b>10</b>

More than 16 in-house programmes were organised involving a large number of participants, and 3 programmes organised by outside agencies were attended by 10 participants.

## **II. Vermicomposting (Vermi pits & Vermi hatchery)**

The bad effect of excessive use of chemical fertilizer to grow more and more food is well known. The time has come to use organic fertiliser for the sake of maintaining soil fertility and crop production sustainability. The preparation of organic manure (compost) is an age-old system in our country. However, the use of earthworms in enhancing this composting process is now-a-days practiced by some of the farmers.

The objective of the vermicomposting activity is to popularize and propagate the on-farm production of Vermicompost for use in the kitchen garden & betel vine yard.

Initially, farmers selected in a group of 15 in each villages with a leader selected by themselves. The leader was supported for constructing a Vermi-Hatchery and received 1000 worms from the implementing agency, which has taken care of training the groups in culturing the worms. The practitioner has agreed to return 50% extra worms in addition to the worms given to him within six months to their fellows at reduced cost. These worms again will be distributed among other members of the group with the same principle as per the decision taken by their group.

### **Immediate benefits received by the participants:**

1. 15 to 30 villagers from each village (nearly 200 farmers) were involved and guided in Vermicomposting.
2. Improved economic status and soil condition of the practitioners and users.

3. Knowledge about solid waste management.
4. On-farm vermicomposting practices make the farmers who are practicing integrated farming, self reliant and provide readily available eco-friendly **organic manure**.
5. Providing a scope for other livelihoods like Livestock development.

**Immediate benefits received by the Community:**

1. A Vermi-hatchery was developed at village Phulbari ( in addition to the one already exists), one at Kashtala, another two at Sapkhali and one at Champatala. to sustainably support the interested villagers in organic farming.
2. High Organic input and gradual reduction of Inorganic input in the farm lands.
3. Revival of Natural fertility of soil.
4. Enrichment of soil biodiversity.
5. Reduction in the cost of production leading to increased socio-economic status.
6. Availability of healthy food.
7. Scope for other alternate livelihoods development.

Impact: **Healthy environment, Healthy food and improved socio-economic status of the community.**

**III. Liquid Manure**

Earthworms play an important role in converting organic wastes into manure. Some other practices are also adopted by the farmers to achieve the goal of successful crop production in organic agriculture. One of such practices that are principally aimed at enriching the soil microflora is the use of JEEVAMRUTA (liquid manure).

**Jeevamruta** – Cow dung 10 kg, cow urine 10 lit Jaggary 2 kg, any pulse grain flour 2 kg and live good soil 1 kg in 200 lit water. The mixture was fermented for 5 to 7 days. The solution was stirred regularly three times a day.

**Amritpani** – Two kg Cow dung was mixed with 10 lit of water, 1 lit of cow urine and 100-200 gm of molasses thoroughly with turning two to three times per day. Then the mixture was spread in the field.

***Case Study:***

**Experiment: Anima Das**, a member of farming community started the following activity for preparing **Jeevamruta**. It is a product of naturally available farm wastes like cattle dung and cattle urine along with other ingredients like jaggery, pulse flour, water and fertile soil. As per advice of the guide teacher and other science teachers of our school, we prepared the jeevamruta formulation (**cattle dung: 5 kg, cattle urine: 5 litre, jaggery: 1 kg, pulse flour: 1 kg, water: 100 litre and one handful of fertile soil**) for our experiment. The mixture of different ingredients was kept in a dark place and

stirred well twice daily. This fermented liquid was applied uniformly after 3 days in the field (5' X 4') of our **community kitchen garden**, covered with cattle shed waste and straw (**mulching**), finally covered with polythene sheet. Polythene sheet was used to protect the field from rain and sun. The covered area was regularly inspected to see that excess water might not flood the experimental field.

**Result:** After opening up of the polythene sheet on 13<sup>th</sup> day, it was observed that the straw and cattle shed wastes were partially decomposed and mixed with soil, and the population of **local species of earthworms** grows profusely along with their juveniles. The experiment was continued for one month, when it was observed that the decomposition of the mulched material was almost complete. Earthworms were found to be reduced on the surface. Then the field was utilized for growing vegetables (tomato and brinjal) keeping some of the saplings outside the experimental field as control. The growth of the vegetable saplings in the experimental field was found to be better than that in the control field.

#### **IV. Kitchen garden:**

The objective of this activity is to make the interested local farmers to cultivate the vegetables in their backyard with **organic inputs** (locally prepared) for their consumption as well as conservation of local varieties of vegetables.

Selected farmers are supplied with the seeds of locally available and suitable varieties of vegetables and vermicomposts and Azophos. The practitioner has agreed to preserve and return double the number of seeds she/he has taken after harvesting, which in turn will be distributed among the other members of the group with the same principle.

#### **V. Model Farm** (integrated Farming model for small & marginal farmers with high organic input)

**One Model Farm** was initiated with the **objective** of projectin it as a model of integrated, sustainable farming with high organic input (mostly on farm) which could be emulated by others. Ultimately, with the addition of organic input the important resources like soil, water and associated fauna and flora will be conserved. Seven Demo-farms are established in village Phulbari.

#### **Activities includes:**

1. Land shaping;
2. Rain water harvesting;
3. On-farm vermicomposting;
4. Bio-pesticide preparation;
5. Diversified horticulture and agriculture;
6. Paddy-duck-cum-fish culture;
7. Livestock maintenance (Backyard poultry rearing);
8. Kitchen garden;
9. Nursery raising;
10. Herbal Garden;
11. Azolla cultivation;
12. Cultivation on "AIL" land for a better economic return.



On-field trainings to the coordinator and the beneficiary of the model farm, were regularly made by the expert trainers from DRCSC (Development, Research, Communication and Service Center), and local agricultural expert. The activities related to integrated farming (Land shaping, Vermiculture, Liquid manure preparation, Mixed Cropping, Living hedge, Rotational cropping, Nursery raising, Kitchen Garden, Backyard poultry rearing, fish-duck culture etc.) are in progress.

A small area excavated during land shaping have received and stored much more rain water. This stored water is being used for fish and duck culture in the rainy season and the excess water would be utilized for second cropping during winter season. Dhaincha & Sunhemp was cultivated for seed production to be used in next season as green manure.

### **Activities planned:**

#### **I. Integration of Livestock (Poultry, dairy, goatary & fishery):**

The objective of integration of all these activities, as proposed by several experts, is primarily to create an environment so that self-dependency may be established within the farming system. The other objectives are also to inculcate the habit of the members of the farming community to depend on multiple activities which are very much interrelated and help in sustaining the process. This will also help in generating extra fund for the families practicing it.

**II. Support for More demo farms, Kitchen Garden, Live Stock development, green manure and training for integrated farming system with organic input.**

#### **1. National Environment Awareness Programme (NEAC, 2011-12)**

A mass awareness programme on agro-biodiversity conservation at Sagar island, S 24 Parganas for sustainable livelihood practices was organized. Important activities undertaken were : two workshops, one Sit & Draw competition, one Exhibition and one Medicinal plant Garden was also established at Bamankhali Village.

#### **2. Biodiversity Conservation Park**

The primary objective is to promote Food & Nutritional security by **bringing back of traditional local varieties of paddy and vegetable seeds** and **Awareness generation for Conservation & Sustainable utilization of local Agro-bio-resources**. This would be achieved through On-firm conservation of indigenous biodiversity, by establishing a network of informed local groups of people (SHGs, Farmers Clubs & Eco-Clubs).

A model Farm is being established having several subsystems, viz., kitchen garden with rain water harvesting facilities, nursery of varieties of plants, butterfly garden, paddy cum fish culture, azola cultivation, solar energy trapping system, maintaining rare varieties of plants, etc.

### **3. Environmental Awareness programme ( World Environment Day, World Earth Day, Forest Week, Wildlife Week etc.)**

i) **World Environment Day** was celebrated during 4-5 June, 2011 at Sagar Island.

**Name of the programme:** Activity oriented awareness programme on World Environment Day involving school students and community members at Sagar Island, Sundarban

**Material Received from ZOO OUTREACH:** WED education Kit- A3 poster with the colourful WED logo on it and some information on the back, a folder about forests and other WED facts, Stickers, etc.: 100  
In addition, **Biodiversity Loss & Climate change related Education packet-** 50

**Duration of the program and venue:** 4<sup>th</sup> June, 11 (2 to 5p.m.)  
and 5<sup>th</sup> June, 11 (9 to 3 p.m.)

**Name of the participating Schools:** 1. Phulbari Sitala High School, Phulbari and  
2. Vivekanada Vidyaniketan High School, Sibpur

#### **Target groups, resource person and**

**dignitaries (if any ) :** Students of Class VII & VIII, Community members (Parents of some of the students)

- Dignitaries:**
1. Ms. Radhika Singh, Programme officer, British Council along with 6 International Climate Champions attended and interacted with students on both the days.
  2. Rtn. Dr. Dilai Datta & Rtn. Amal Saha (President-elect, R.C.Calcutta Mid City) along with three other Rotarians attended the programme on 5<sup>th</sup> June,11 and donated 14 solar lamps to the children of PUPA.s STUDY CENTRE, Sagar islans.
  3. Dr, Santanu Mitra (Professor, Economics), along with five teachers of Kolkata colleges attended on 5th June,11.

#### **Objective:**

**The primary objective** is to find the possibilities of working together on some pilot projects on adaptation to climate change at Sagar Island with a view to achieve ‘Community Development through Schools’ (CDTS).

**Immediate objective** is to involve the rural students so as to participate in global environmental movements keeping the local needs in mind.

It is also aimed to select some students who may be designated in the long run as the “YOUNG GREEN CHAMPIONS OF SAGAR ISLAND”.

#### **ACTIVITIES:**

1. **Sit & Draw Programme** Total students : 45 Children of P.K.Ray Memorial Rural Study Centre, Sagar island (Class IV-VI) were involved with this sit & draw programme on 5<sup>th</sup> June,11.
2. **Drama:** A drama was instantly staged by the students of the Village Kachuberia (Phulbari Sitala High School), facilitated by Ms. Bipasyee Ghosh, International Climate Champion of BCL, informing the environmental problems of their own village.
3. **Interaction with students:**
  - i) Informing the students about the current environmental problems, particularly Climate Change related issues and motivating them in some local actions
  - ii) Selection of leaders (group of students) who will be motivated and given responsibility of continuing the activities in future.
4. **Interaction with the Community members:**  
Interaction was made with the parents of the selected students keeping local environmental problems in mind.
5. **Training & installation of 14 Solar Led Lamp** ( 2.5 Watt capacity of the plate, 7 sets in number) on 5th June,11.[ solar sets were donated by Rotary Club of Calcutta MidCity]
6. Sapling distribution among the students of STUDY CENTRE, PUPA.

**We are thankful to the following organization for various support:**

1. Rotary Club of Calcutta Midcity
2. International Climate Champion, British Council, Kolkata
3. Sundarban Gramin Bikash Kendra, Sagar island
4. Phulbari Sitala High School
5. Vivekanada Vidyaniketan High School, Sibpur
6. ZOO OUTREACH ORGANISATION

**(ii) Forest Week & Wildlife Week (2-8 October, 2010)**

Awareness programmes and sapling distribution were arranged in 2 schools during second week of July,11 and also wildlife week was observed in the month of October with material support from ZOOOUTREACH Three hundred eighteen students directly took part in the classroom interaction.

7. Vocational Training (Integrated Farming system, IFS for 6 months; Cutting & Sewing for 6 months; Food processing for 3 months) with support from **CDTP Scheme** of Jnan Chandra Ghosh Polytechnic, Kolkata.
  - ⌚ **Tailoring** (cutting & designing): 22 women & girls (students) are being trained for a period of six months from November,11. Smt. Sulekha Pahari was selected as the trainer.

- ⌚ Diversified **Integrated Farming System (IFS)** : a six month long training programme involving more than 30 candidates from all over Sagar Island started on 15 November, 11. Sri Subhendu Das was selected as the *training Coordinator*. Professional expertise help from Service Centre would be available for this Training programme. Moreover, Nimpith Krishi Bignan Kendra (KVK) was agreed to open a Farm School for providing regular training support for our candidates.
- ⌚ Another Training programme on **FOOD PROCESSING** was started from 15 December, 11 with 19 candidates for a period of three months at Village Phulbari. Miss Tara Rani Sardar was selected as the trainer.

8. **Awareness programme** (with support from CDTP scheme, Jnan Chandra Ghosh Polytechnic)

Biodiversity awareness programme, Vermicomposting camp, Solar led lamp repairing camp, Crop protection centre-inauguration, Village Development Planning training programme

## 9. Study Centre

This centre is being run with support from various sources, particularly individual help from Dr. Dipali Ray, Dr. Aparna Raichaudhuri, Dr. Santanu Mitra, Smt. Prathama Ray, Dr. Pragati Bhowmik, Dr. Rina Chakraborty and others). Particularly, the help from Miss Anima Das as teaching assistant is noteworthy to mention. The students' strength is now 49 with a group of seven girls and one boy in class VII. This group is being exposed to various field-based activities and was also allowed to visit ZOO & Science City, Kolkata.

The above-mentioned **group of seven students** were involved in an action Research project on "**Improving the soil fertility organically**" and one student presented the same at district, state and finally in the **National Children Science Congress**, held at Jaipur during 23 to 28 Dec., 11.

4. **Paryavaran Mitra programme:** This is an action-oriented awareness programme of the Ministry of Environment & Forests, Govt. of India, facilitated by Centre for Environment Education, Kolkata. We involved 20 schools of Sagar Island and the programme started from September, 11. Selection of teachers and students were completed. As a part of this programme one teacher along with 2 girl students from Dhablat Lakshman Parabesh High school and one teacher and 2 boys from Phulbari Sitala High School (H.S.) were selected for a **national School Meet at Goa** during last week of December, 11.

## Miscellaneous:

1. A project entitled "*Socio-economic upliftment of SC community in identified villages of Sagar Island, South 24 Parganas, West Bengal through skill enhancement and livelihood intervention*" was

submitted to the Vivekananda Institute of Biotechnology, Nimpith for recommendation and forwarding to the Dept. of Sci. &Tech., Govt. of India. It was approved in principle by the Department of Sci. & Tech.

2. Mr. P.S. Sodhi, National Coordinator, UNDP/SGP visited our area in the month of June,11 and advised us to submit the Scaling –up proposal involving 2 to 3 other NGOs of Sundarbans. We have contacted and selected
  - i) **Panarhat Sneho**, Panarat, Ps –Ramnagar Bhadura Haridas GP, Kalatalahat,DiamondHarbur -2 (Secy.: Mr. Indranath Kanji);
  - ii) **Vivekananda Welfare Society**, Haripur GP, Namkhana (Secy. : Dr. S.Bera); and
  - iii) **Society for Durbachati Social Action & Transformation**, Durbachati- Tritiya Khanda, Patharpratima ( Secy. : Sri Sudhansusekhar De)
3. **World Bank supported programme**: Expression of interest was submitted to Institute of Environmental Studies & Wetland management for working as service provider (Consultant) for Livelihood Improvement at Sagar Island on 15<sup>th</sup> December, 11.
4. **Model Eco-school programme of WWF**: we are the partner organization for facilitating the Eco-school programme of WWF at two schools of Sagar Island.
5. **Miscellaneous programme**:
  - a. Document prepared & submitted for Meghnad Puraskar, Bangla Bignan Congress, organized by DST,W.B. proposed to be organized on 28<sup>th</sup> & 29<sup>th</sup> Feb.,12.
  - b. *Biodiversity Conservation Park in Farmers' Field*, a concept of establishing the said park in farmer's field is designed and it has been initiated at village Phulbari, Sagar Island and is under consideration to support by W.B. Biodiversity Board.
6. **Dr. Prabir Lahiry**, an eminent haematologist approached us for implementing a 'project on Iron-deficiency' involving 40 -45 students for iron deficiency test at Sagar Island and it was implemented

### **Acknowledgements**

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Memorial Fund, Sagar Recreational Service, Bamankhali, Sagar Island, Sundarban Gramin Bikash Kendra (Rural Unit of Rotary Club of Calcutta Mid City) and several other organizations, schools and individuals (Dr.Aparna Raichaudhury, Dr. Dipali Ray, Dr. Santanu Mitra, Dr. P. Ray & Mr Dipankar De) for their personal interest and support in continuing our activities.