

## DBI INTERVENTIONS AT NAYAGARH DISTRICT, Odisha

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- *A narrative report by Madhyam Foundation  
(For Feb,2013,-Jan,,2014)*

### 1. Summary:

SDTT( Jamsetji Tata Trust) had sanctioned an amount of Rs 32.98 lakh to Madhyam Foundation to construct 6 Diversion based irrigation structures over a period of three years( Feb,2012-Jan,2015). The project would be implemented in 6 sites; Bandhamunda,Routraypur, Bramhankumbhi and Tavadi villages in Bandhamunda GP, Kantajhiri village of Patia GP and Bandhapalla village of Mahatpalla GP in Ranpur block of Nayagarh district in Odisha In the first year of the project( Feb,2012-Jan,2013), Madhyam Foundation was to construct two DBI structures at Rautraypur( Bandhamunda GP) and Kantajhiri village( Patia GP) with a grant of Rs 10.95 lakh.Both. The structures had since been completed. In the second year of the project,( Feb,2013-Jan,2014) another two DBI structures were to be set up at Bandhamunda village and Brmhankumbhi village of Bandhamunda GP with a grant of Rs 11.30 lakh. During the reporting period( Feb,2013-Jan,,2014), these two DBI structures were completed at Bandhamunda village on 5th June,2013 and at Bramhankumbhi on 28<sup>th</sup> Jan,14 as planned.

### 2. Background of the project:

On 1<sup>st</sup> September, 2008, Madhyam Foundation was invited by SDTT, Mumbai to participate in a Consultation at Bhubaneswar to explore the potential of launching projects in Odisha for providing irrigation facilities through gravitation based structures. NGOs such as PRADAN, Gram Vikas and Harsha Trust shared their experiences of such projects already undertaken in their respective operational areas. Realizing the need of such project, Madhyam Foundation started exploring opportunities in Bandhamunda and Patia GPs with the help of Village Development Committees. Subsequent to field survey and technical feasibility, Madhyam Foundation submitted a proposal for constructing three DBI structures and SDTT sanctioned an amount of Rs 13.55 lakh for this.

In view of the significant value additions observed during the 1<sup>st</sup> phase of the Project, Madhyam was encouraged to undertake the second phase of the project for constructing six DBI structures at six new sites. The villages are Bandhamunda, Routraypur, Bramhankumbhi and Tavadi villages in Bandhamunda GP, Kantajhiri village of Patia GP and Bandhapalla village of Mahatpalla GP. The project aims to provide irrigation facilities to 212 acres of land benefitting 146 households in the above six villages

**The objectives of the project are:**

- To provide round the year irrigation facilities to 212 acres of land of 6 villages benefitting 146 households.
- To expand livelihood options in farm sector for the above households
- To promote food security and increase household income

**3. Program Findings:****3a. Fulfilment of Objectives:**

Objectives	Activities Planned	Achievement	Rating
To provide round the year irrigation facilities to 53 acres of land belonging to 32 households in Bandhamunda and Bramhankumbhi village.	Design, provision for approach road, site clearance	Completed	Very Satisfactory
	Construction of water storage pond & canals	Completed	Very Satisfactory
	Construction of intake structure	Completed	Very Satisfactory
	Laying of PVC pipes	Completed	Very Satisfactory
	Formation of Farmers committee through VDC	Completed	Very Satisfactory
To expand livelihood options in farm sector for the above households	Demonstration of multi cropping	Completed	Satisfactory
	Developing intercropping system	Demonstrated	Satisfactory
	Promotion of Vegetable cultivation and SRI	Promoted at Bandhamunda village. Will be taken up soon in Bramhankumbhi village soon as the DBI was completed only on 28 <sup>th</sup> Jan,14	Very Satisfactory

To promote food security and increase household income	Promotion of seed bank	Ongoing	Satisfactory
	Introduction of organic manure & pesticides	Demonstrated	Satisfactory
To promote food security and increase household income	Training of progressive farmers	Completed	Satisfactory
	Exposure of farmers to other DBI sites	Completed	Satisfactory
	Revolving fund to farmers committee at all two villages	Revolving fund of Rs 20,000 each has already been given to the VDC of Bandhamunda and Bramhankumbhi	Satisfactory

### 3b. Project design and implementation:

The entire project was implemented through the village committee of the village. After clearance of approach road to the site, technical survey was undertaken by an engineer from Rural Work Department, Nayagarh who was hired by the project. The design of the site were shared with the villagers and a work plan for digging the canals was finalized. The Project co-ordinator of the project co-ordinated all the activities. The Executive Director of Madhyam visited the sites number of times while work was going on. A team from Livolink Foundation also visited the site.

During construction phase, community contributions are ensured from the villagers by the way of voluntary labour for digging the canals and pipe laying. The activities like training of farmers, monitoring and interface with technical experts and Government officials were facilitated by Madhyam Foundation Central office located at Bhubaneswar.

### 3c. Project output and dissemination:

Apart from the usual physical work involved in the DBI structures, several activities were accomplished during the reporting period. Multi cropping demonstration, promotion of vegetable cultivation, introduction of organic manures and pesticides, two farmers trainings are some of the project activities completed, the details of which are given in the rating table above. The local Member of Parliament and MLA also visited the site. Completion of the both the DBI structures was reported by SAMBAD, largest circulated Odia daily newspaper

### **3d. Capacity Building:**

Farmers training and demonstration at both the villages were organised followed by experts visit from time to time to ensure the impact of the program. Both men and women farmers participated in the program.

During 19<sup>th</sup> and 20<sup>th</sup> March, 2013, Mr Subrat Kumar Singhdeo, Executive Director, Madhyam Foundation and Mr Satyajit Ray, Co-ordinator, DBI project participated in the SDTT DBI partner NGOs Meet at Konark, Odisha. Both of them also attended a workshop on Carbon credit, organized by SDTT for its project partners at Bhubaneswar on 18<sup>th</sup> June, 2013.

### **4. Project Management:**

The project was implemented through the active participation of village committees. The work plan of the project was prepared in consultation with the village committee looking in to their local situations. All the plan, design, budget and contribution were explained to the community members prior to the project implementation and was resolved in the community meeting. Work monitoring was done on daily basis. Reporting was done by project office on a monthly basis. The financial review and monitoring was done by Madhyam central office as per the project guidelines. Progress monitoring was done by all stakeholders – from VDC to central office of Madhyam Foundation.

The activities like training of farmers, monitoring and interface with technical experts and Government officials were facilitated by Madhyam Foundation Central office located at Bhubaneswar.

### **5. Impact:**

The DBI structures were completed on 5<sup>th</sup> June, 2013. And 28<sup>th</sup> Jan, 14 respectively. Both the DBI sites have the potential to irrigate 53 acres of land. We would capture the impact during submission of next annual progress report. During the reporting period, Madhyam was able to mobilize Rs 9,66,000 from Australian High Commission, New Delhi under its Direct Aid Programme to construct additional 2 DBI structures at Hatibadi village (Surkabadi GP) and Sirikuti village (Bandhamunda GP). Such a support clearly demonstrates the impact of our DBI programme launched with SDTT support in the area. Both these structures would provide irrigation facilities to 63 acres of land belonging to 38 households.

### **6. Overall Assessment:**

The project was implemented smoothly as per the time line envisaged in the action plan without any problem. The project is also fulfilling the objective as outlined in the proposal. The overall assessment of the program is satisfactory. The communities are very cooperative and there is a clear understanding of the project goal among the community members. The DBI structures would open up a lot of possibilities to undertake crops round the year, thereby contributing significantly towards income enhancement and food security of the targeted households.



**Satyajit Ray, Co-ordinator, DBI Project, conducting a meeting with villagers.**



**Technical survey in progress**





**Villagers digging the canals**





**Villagers testing the water flow after completion of pipe connection**



**Villagers escorting Executive Director of Madhyam Foundation for inauguration of DBI structure.**





**Executive Director, Madhyam Foundation reviewing progress of the project**



**Inauguration of DBI site by the village priest at Bandhamunda**





DBI INAUGURATION AT BRAMHANKUMBI

# ତିବିଆଇ ପ୍ରକଳ୍ପର ଶୁଭ ଉଦ୍‌ଘାଟନ

ରଣପୁର, ୭।୬ (ଇମିସ): ରଣପୁର  
ବ୍ଲକ୍ ଅଧୀନ ବନ୍ଧମୁଣ୍ଡା ପଞ୍ଚାୟତରେ  
ଗତକାଲି ଅଗ୍ରଣୀ ସ୍ୱେଚ୍ଛାସେବୀ  
ଅନୁଷ୍ଠାନ ମାଧ୍ୟମ ଫାଉଣ୍ଡେସନ୍  
ପକ୍ଷରୁ ଏକ ତିବିଆଇ ପ୍ରକଳ୍ପର ଶୁଭ  
ଉଦ୍‌ଘାଟନ କରାଯାଇଛି । ଏହି  
ଅବସରରେ ସଂସ୍ଥାର କାର୍ଯ୍ୟନିର୍ବାହୀ  
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ଏହି ପ୍ରକଳ୍ପକୁ ଉଦ୍‌ଘାଟନ କରିବା  
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ଫାସଲ ପାଇଁ ସହାୟତା  
ପାଇପାରିବେ ବୋଲି କହିଥିଲେ ।  
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କାର୍ଯ୍ୟାଳୟର ବିଜୟରାମ  
ସେନାପତି, ଚିତ୍ରଙ୍ଗନ ପରିଡ଼ା,  
ପ୍ରକଳ୍ପ ସଂଯୋଜକ ସତ୍ୟଜିତ ରାୟ,  
ବିରେନ୍ ରାୟ, ଯନ୍ତ୍ରନ୍ ବେଗମ୍,  
ସ୍ଥାନୀୟ ସରପଞ୍ଚ ରେବତୀକାନ୍ତ  
ବେହେରା ।, କାର୍ଯ୍ୟାଳୟ  
କର୍ମଚାରୀଙ୍କ ସହ ଶତାଧିକ  
ଗ୍ରାମବାସୀ ଉପସ୍ଥିତ ଥିଲେ ।