

## Annual Report 2020-21

### Odisha Integrated Irrigation Project for Climate Resilient Agriculture (OIIPCRA)

#### A. Background & Concept of the Project

OIIPCRA aims at converging the activities of three departments of the Government i.e Department of Water Resources (DoWR), Agriculture and Farmers' Empowerment (A&FE) and Fisheries and Animal Resources Development (FARD) Departments for augmenting the capacity and income of the farmers in the project area.

The project will demonstrate climate smart agriculture in irrigation command of about 56,400 hectares of command area under 538 minor irrigation projects and about 70,000 Ha of rain-fed under the influence area of these Minor Irrigation Projects identified in four river basins namely Rushikulya, Budhabalanga, Baitarani & Tel- sub basin.

The project will be implemented over a period of six years. World Bank has accepted the project & DEA (Department of Economic Affairs, GOI) has approved the project with cost sharing @ 70:30 by the Centre and State. The Central share will be provided by GoI through IBRD Loan. The Loan agreement has been signed and the project was made effective during December' 2019.

#### B. Project Profile:

##### 1. Project Area

- 4 (Four) River Basins (Rushikulya, Budhabalanga, Baitarani & Tel-Sub Basin) in 15 Districts of Odisha (Balangir, Balasore, Bargarh, Bhadrak, Boudh, Gajapati, Ganjam, Jajpur, Kalahandi, Kandhamal, Nawarangpur, Mayurbhanj, Keonjhar, Nuapada & Subarnapur)
- Total No. of Blocks : 98 Blocks
- Total MIPs : 538 Nos
- Irrigation Command : 56,293 Ha (Minor Irrigation Projects)
- Rain-fed Command : 70,000 Ha. (approx)

2. Original Project Cost : US \$ 235.50 million (INR 1,683 Cr. approx)

3. Centre : State Sharing : 70:30 (Central Assistance through IBRD Loan)

4. Central Assistance : US \$ 165.00 million (INR 1,179 Cr. approx.)

5. Counterpart Funding : US \$ 70.50 million (INR 504 Cr approx)

6. Project Period : 6 Years (2019-2025)

#### C. Project Development Objective (PDO)

Project Development Objective under OIIPCRA is to intensify and diversify agricultural production, and enhance climate resilience in selected districts of Odisha.

Proposed PDO level indicators include: (i) increase in productivity of selected agricultural commodities supported by the project (percent); (ii) increase in

productivity of water use at tank level (percent); (iii) share of non- paddy products in total production in project areas (percent); (iv) farmers adopting improved agricultural technology (number); and (v) share of target beneficiaries with rating “satisfied” or above on process and impact of project interventions (percent).

Table - 1

OIIPCRA Project Components: (Amount in US\$ Million)

Sl. No.	Project Components	Project Cost	IBRD Funding	Counterpart Funding
1	Climate-Smart Intensification and Diversification of Production	74.60	52.22	22.38
2	Improving Access to Irrigation and Water Productivity	137.90	96.53	41.37
3	Institutional Capacity Strengthening	9.70	6.79	2.91
4	Project Management	12.93	9.05	3.88
5	Contingent Emergency Response	0.00	0.00	0.00
Total Project Cost		235.13	164.59	70.54

#### D. Progress made under OIIPCRA

##### i. Climate-Smart Intensification and Diversification of Production

The project took up Crop diversification & demonstration of climate resilient crops- Chick Pea through ICRISAT in Kalahandi, Nuapada and Nabarangpur districts and Integrated Nutrition Management through Promotion of Organic Clusters in the districts of Bargarh, Bolangir, Gajapati, Ganjam, Kalahandi, Keonjhar and Mayurbhanj. The project also conducted demonstration in hybrid vegetable cultivation in all 15 Project Districts.

##### ii. Improving Access to Irrigation and Water Productivity

In order to ensure desired quantity of water for irrigation, the tanks needed repair and improvement of their head works, distribution systems and prepare for construction of Command Area Development. The improvement of civil works in 119 tanks with an agreement amount of Rs. 187.15 Cr is in progress since January 2020. An amount of Rs. 24.41 Cr has been spent by March' 2021. The project has provided with improved irrigation and drainage services to 2,250 Ha to each 1-ha sub-command through Command Area Development during the year.

Preparation of detail DPRs for taking up civil work in another 200 tanks are in progress which is targeted to be tendered in September 2021.

The State Dam Safety organization, Odisha has been engaged through an MOU with OIIPCRA to make periodical dam safety advisory services through DSRP team to the large dams taken up under OIIPCRA.

A 3rd Party Monitoring & Evaluation consultancy has been engaged to monitor and evaluate the initiatives, strategies & performances and progress of different of

OIIPCRA field activities and compliances to the project objectives.

### iii. Institutional Capacity Strengthening

To instill better quality control while executing the civil works in the tanks and ensure building of capacity on Quality Control and Quality Assurance (QC&QA), 150 field engineers of Minor Irrigation organization were selected for a specialized training on QC&QA. The training was conducted through the leading national level institute “National Council for Cement and Building Materials (NCCBM)” and 107 Minor Irrigation Engineers were provided the training during Jan-Mar, 2021. Further, 43 more Engineers will be provided training on QC&QA during May 2021.

Support Organisations have been selected through open NCB procurement to act as social mobilisers between the project objectives and grass root level project stake holders in 5 - project zones covering the districts of Zone-1 Ganjam (Beguniapada, Chhatrapur, Ganjam, Hinjili , Kabisurya Nagar, Khallikote, Kukudakhandi, Purusottampur, Sanakhemundi, Seragada blocks., Zone-3 (Gajapati, Kandhamal & Boudh Districts), Zone-5 (Bargarh, Bolangir & Sonapur Districts), Zone-6 (Mayurbhanj District ) & Zone-7 (Keonjhar, Balasore, Jajpur & Bhadrakh Districts).

Steps are being taken to engage two more Support Organisations to the project areas in the districts of Ganjam (Zone-2 for Aska, Bellaguntha, Bhanjanagar, Buguda, Dharakote, Jagannath Prasad, Polasara, Sorada Blocks) and Zone-4 in Kalahandi, Khariar & Nabrangpur Districts.

### iv. Project Management

Sl.	Budgeted Activity	As on 31.3.2021 (in Lakh Rs.)		
		Budget	Expdr.	Remarks
1.	Climate Smart Intensification & Diversion of Agriculture	15.01	8.72	
2.	Major Work & Water Sector Reforms	40.88	26.109	
3.	Capacity Building	-	-	
4.	Consultancy Services and project management	1.23	2.75	
5.	GCF Project (Budget from State Share)	0.10	-	
<b>Total Amount:</b>		<b>57.22</b>	<b>37.58</b>	

### v. Project Photographs



**Paddy seed distribution under OIIPCRA project at Udala Block of Mayurbhanj District**



**Nursery grown organically by farmers under guidance of Kanak Bioscience under OIIPCRA-INM in Mayurbhanj District**



**Meeting with farmers in Ostapal Gp of Danagadi Block regarding selection of farmers for hybrid vegetable in Mushroom Cultivate: Date 20.04.2021**



**6. Hajabandha Madhabijhara MIP in Aska block of Ganjam District**





**8. Kalabhutinala MIP at Mariapalli in Buguda Block of Ganjam District**



**SE-OIIPCRA inspection of Matigudiaghahi MIP of Sanakhemundi Block of Ganjam District- Ganjam-I Division**