



## Integrated Coastal Zone Management (P097985)

SOUTH ASIA | India | Environment, Natural Resources & the Blue Economy Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2010 | Seq No: 20 | ARCHIVED on 29-Jun-2020 | ISR40517 |

Implementing Agencies: The Republic of India, Society of Integrated Coastal Management

### Key Dates

#### Key Project Dates

Bank Approval Date: 15-Jun-2010

Effectiveness Date: 12-Aug-2008

Planned Mid Term Review Date: 07-Jan-2013

Actual Mid-Term Review Date: 28-Jun-2013

Original Closing Date: 31-Dec-2015

Revised Closing Date: 30-Jun-2020

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to assist Gol in building national capacity for implementation of comprehensive coastal management approach in the country, and piloting the integrated coastal zone management approach in states of Gujarat, Orissa and West Bengal.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

### Components Table

Name

National ICZM Capacity Building:(Cost \$87.11 M)  
Piloting ICZM Approaches in Gujarat:(Cost \$62.69 M)  
Piloting ICZM Approaches in Odisha:(Cost \$53.95 M)  
Piloting ICZM Approaches in West Bengal:(Cost \$53.98 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Highly Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Highly Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

### Implementation Status and Key Decisions

The project implementation performance has consistently improved over the past three years, with all 5 PDO indicators and 16 intermediate outcome indicators met or exceeded.

Achievement of the PDO indicators has contributed significantly to capacity building and supporting the ICZM approaches. More significant achievements of the project include: (a) policy reform – revised regulations related to coastal zone management and integrated island management in 2019, after a nationwide consultation that lasted more than a year; (b) establishment of institutions at national, state and district levels supportive of integrated coastal zone management; (c) creating substantive knowledge base needed for the country at both national and state levels, which are introduced for the first time in the country and, for several themes, for the first time in the region or globally; (d) establishment and operationalization of a world-class knowledge provider – the National Center for Sustainable Coastal Management (NCSCM) at Chennai – which is not only providing



cutting edge knowledge to the national and state governments, but has also started offering knowledge support to the Indian Ocean Rim Countries or to platforms such as the West Africa Coastal Alliance.

The project has supported establishing knowledge and planning benchmarks for integrated coastal zone management in the country. These include establishment of hazard line for the entire coast of India, mapping of Ecologically Sensitive Areas, and ongoing application of draft ICZM Planning guidelines for planning in several coastal parts of India. The Ministry of Environment, Forests, and Climate Change (MOEFCC) is currently using the data for coastal management aspects as well as for regulatory requirements. Integrated coastal zone management plans have been prepared for three pilot states of Gujarat, Odisha and West Bengal. The NCSCM is functioning as an autonomous center supporting research and knowledge management for sustainable coastal management: The NCSCM has set up seven Divisions of Excellence to carry out frontline research and establishing knowledge and planning base including setting up databases for coastal, marine biodiversity network, national GHG emission database for coastal ecosystems, baseline for coastal sediment cell delineation as benchmark with coastal maps, and futuristic research on marine and coastal areas.

In parallel, the implementation of the state-specific ICZM pilot activities have been completed contributing to achievement of PDOs. Some of the key results achieved include: (a) Coastal Conservation and Protection pilots relating to: mangrove plantation, infrastructure and research facilities for coastal wildlife protection, multipurpose cyclone shelters, technology demonstration for protection from coastal erosion, and demonstration of coral transplantation & regeneration, etc.; (b) pollution abatement pilots relating to: sewerage treatment plants for about 1 million population completed; household electricity in one island to minimize air pollution emissions; etc.; and (c) coastal livelihoods by establishing about 3300 SHGs/CBOs with improved income levels and facilitating long-term sustenance by integrating them into regular government programs.

(v) In addition, the project has leveraged the results achieved to initiate the preparation of Enhanced Coastal and Ocean Resource Efficiency Project (ENCORE) to scale up ICZM approaches to the rest of the coastal states and UTs.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Macroeconomic	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Sector Strategies and Policies	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Fiduciary	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Stakeholders	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

## Results

### PDO Indicators by Objectives / Outcomes



Institutional, knowledge, pilot implementation, and beneficiaries				
<b>▶ Direct project beneficiaries (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,705,000.00	17,803,373.00	1,000,000.00
Date	15-Dec-2010	31-Jan-2019	19-Jun-2020	30-Jun-2020
Comments:	The total beneficiaries include 13,500,000 tourists			
<b>□ Female beneficiaries (Percentage, Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	51.00	51.00	51.00
<b>▶ National and State level technical capacity established for ICZM planning with supporting technical staffing according to defined criteria (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Jun-2010	30-Apr-2019	19-Jun-2020	30-Jun-2020
<b>▶ Implementation of demonstrable ICZM pilot activities carried out (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Jun-2010	06-Mar-2017	19-Jun-2020	30-Jun-2020
<b>▶ Knowledge and planning base in integrated coastal zone management established according to defined criteria (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020
<b>▶ Institutional structure at National, and State level supportive of integrated coastal zone management established according to defined criteria (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Jun-2010	06-Mar-2017	19-Jun-2020	30-Jun-2020

Intermediate Results Indicators by Components



National ICZM Capacity Building				
<b>► Kilometer of mainland coastline for which coastal sediment cell, hazard line and ecologically sensitive areas are mapped and delineated (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,800.00	7,800.00	5,500.00
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020
<b>► ICZM knowledge outputs generated by National Center for Sustainable Coastal Management (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	118.00	200.00	13.00
Date	15-Jun-2010	06-Sep-2019	19-Jun-2020	30-Jun-2020
Comments:	The expected criteria for establishing knowledge base to facilitate sustainable coastal development is met with more than 200 knowledge outputs. These, established at NCSCM are functional and already facilitating coastal management			
<b>► Skilled staff in ICZM planning and implementation at National level (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	119.00	245.00	75.00
Date	15-Jun-2010	06-Sep-2019	19-Jun-2020	30-Jun-2020
<b>► Plan for institutional structure at National, and State level supportive of integrated coastal zone management prepared and submitted to Government for approval (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Jun-2010	06-Mar-2017	19-Jun-2020	30-Jun-2020
Piloting ICZM Approaches in Gujarat				
<b>► Pilot investment projects in Gujarat ICZM (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	6.00
Date	15-Jun-2010	06-Mar-2017	19-Jun-2020	30-Jun-2020



▶ Area restored or re/afforested (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	16,570.00	19,500.00	12,000.00
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020
□ Area re/afforested (Hectare(Ha), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	16,570.00	16,500.00	12,000.00
Date	15-Jun-2015	06-Sep-2019	19-Jun-2020	30-Jun-2020
▶ Industrial and municipal waste disposal capacity created under the project (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	80.00	80.00	80.00
Date	15-Jun-2010	06-Mar-2017	19-Jun-2020	30-Jun-2020
▶ 'Skilled staff in ICZM planning and implementation in Gujarat State (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	20.00
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020
▶ ICZM plan for Gulf of Kachchh prepared using the designed participatory process, and submitted for approval to Government of Gujarat (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	1.00
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020

Piloting ICZM Approaches in Odisha				
▶ Skilled staff in ICZM planning and implementation in Odisha State (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	20.00
Date	15-Jun-2015	06-Mar-2017	19-Jun-2020	30-Jun-2020



▶ Pilot investment projects in Odisha (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8.00	8.00	9.00
Date	15-Jun-2010	26-Sep-2019	19-Jun-2020	30-Jun-2020
Comments:	The pilot investment relating to Paradeep Integrated Solid Waste Management is currently implemented by Odisha State Government utilizing the central funds			
▶ Coastline and freshwater under biodiversity protection (km) (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	400.00	400.00	400.00
Date	15-Jun-2010	06-Mar-2017	19-Jun-2020	30-Jun-2020
▶ ICZM plan for Paradip-Dhamra and Gopalpur-Chilika prepared using the designed participatory process, and submitted to approval by Government of Odisha (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	1.00
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020

Piloting ICZM Approaches in West Bengal				
▶ Pilot investment projects in West Bengal (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	6.00
Date	15-Jun-2010	01-Jun-2018	19-Jun-2020	30-Jun-2020
▶ Skilled staff in ICZM planning and implementation in West Bengal State (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	14.00	15.00	15.00
Date	15-Jun-2010	06-Sep-2019	19-Jun-2020	30-Jun-2020
Comments:	All the 15 skilled positions have been recognized. Out of these, 9 staff resigned and these positions are currently filled up			
▶ ICZM plan for West Bengal Coast prepared using the designed participatory process, and submitted for approval by Government of West Bengal (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	1.00	1.00	1.00
Date	15-Jun-2010	06-Sep-2019	19-Jun-2020	30-Jun-2020

**Overall Comments**

Refer final Aide Memoire for details on results achieved

**Performance-Based Conditions**

**Data on Financial Performance**

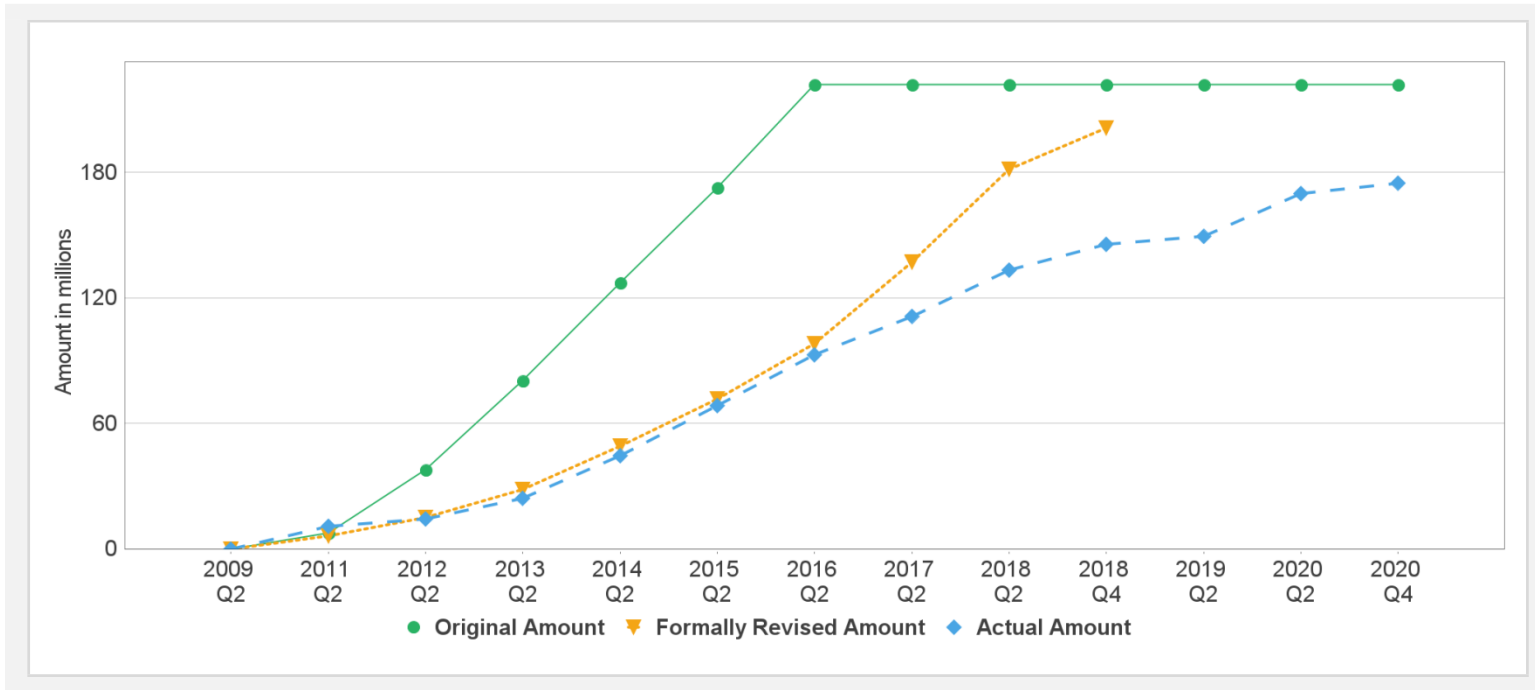
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P097985	IDA-47650	Effective	USD	221.97	189.97	32.00	175.00	3.83	98%
P097985	TF-91901	Closed	USD	0.10	0.01	0.09	0.01	0.00	100%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P097985	IDA-47650	Effective	15-Jun-2010	22-Jul-2010	22-Sep-2010	31-Dec-2015	30-Jun-2020
P097985	TF-91901	Closed	12-Aug-2008	12-Aug-2008	12-Aug-2008	30-Jun-2009	30-Jun-2011

**Cumulative Disbursements**



**PBC Disbursement**

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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**Restructuring History**

Level 2 Approved on 16-Dec-2015 ,Level 2 Approved on 21-Dec-2017 ,Level 2 Approved on 21-Dec-2018 ,Level 2 Approved on 25-Mar-2020 ,Level Approved on 31-Mar-2020 ,Level 2 Approved on 09-May-2020

**Related Project(s)**

There are no related projects.