

## **R & D SCHEMES (PORT SECTOR) COMPLETED DURING LAST FEW YEARS**

Sl No.	Name of the scheme	Cost (Rs. In lakh)	Project proponent	Date of completion
1	Design of Coastal Defence Works.	2.17	IIT Chennai	May 1997
2	Different types of berthing structures and development of standard designs.	6.77	IIT Chennai	June 2001
3	Problem of siltation in estuarine ports.	29.00	CWPRS, Pune & Cochin Port	April 2002
4	Hydrodynamic behaviour of floating Breakwater.	11.75	IIT Chennai	April 2002
5	Role of shipping activity and ship fouling in TBT pollution in some harbour of West Coast of India.	24.08	NIO Goa	Sep 2003
6	Development of Marine Flyash Concrete and evaluation of its performance wrt physio chemical and biological factor in marine water.	17.27	NIO Goa	October 2004
7	Study of the impact of alluvial meanders & tributaries on the Bhagirathi Hugli River system.	19.88	Kolkata Port	August 2009
8	Improving durability and strength of plain and reinforced concrete structure with addition of ground-granulated blast furnace slag (GGBFS).	6.00	IIT Roorkee	Sep 2010
9	Interaction of ships with basin entrance and approach channels.	32.77	IIT Chennai	June 2012
10	FRP Laminated Sandwich panels for bridges/walkways of Marine Structures.	24.43	IIT, Roorkee	Sep 2014
11	Durability and Strength Enhancement of Reinforced Concrete Columns using Unplasticised Poly Vinyl Chloride (UPVC) Tubes in Ports, Harbours and Off-Shore Structures	20.28	IIT, Roorkee	July 2015
12	Geo-Hydro-Morphological studies of three tributaries and their impact on sedimentation with respect to some critical stretches in Hooghly River and	46.43	Kolkata Port Trust	Nov 2015

	Estuary.			
13	Use of Dredged Material during Maintenance Dredging in the Hugli Estuary.	30.00	Kolkata Port Trust	March 2016
14	Implementation of Pilot Project in connection with Short-Term and Long Term measures for improvement of draft in the Hooghly estuary by WAPCOS Ltd. in association with HR Walling Ford, UK and CWPRS, Pune.	910.00	Kolkata Port Trust	June 2016
15	Studies on siltation and optimal ameliorative measures at Cochin Port.	1073.00	Cochin Port Trust	March, 2017