

**National Technology Centre for Ports Waterways and Coasts
Indian Institute of Technology, Madras
Chennai – 600 036**

PROJECT MONITORING COMMITTEE - MINUTES OF THE MEETING

Date: 24 June, 2019

Time: 11:30 -12:30 Hrs

Venue: National Technology Centre for Ports, Waterways and Coasts, New Academic Complex, 6th Floor, IIT Madras

AGENDA

Members present

Prof R Sundaravadivelu, Ocean Engineering	Chairman
Prof V Kamakoti, Associate Dean, IC&SR	Member
Prof B S Murthy, Civil Engineering	Member
Prof K Murali, Ocean Engineering	Member Secretary and Team Leader
Prof SA Sannasiraj	Invitee

Chairman Project Monitoring Committee welcomed the members and the following topic were discussed:

1. The progress update on various project activities from Feb – May 2019 was presented to the committee.
2. Prof Murali provided an update on some of the new innovative projects that were developed for ports and waterways under the centre. The details are provided in Appendix – A.
3. List of new consultancy projects that were secured were also briefed to the committee. The details are provided in Appendix – B. The committee advised ICSR to create a mechanism to create project numbers with name of NTCPWC and option to select the project as NTCPWC project in workflow.
4. Virtual walk through on the following Capital Infrastructure development was demonstrated to all the committee members

- a. Bridge Simulator
 - b. Port centre building
 - c. Wave basin
5. With reference to the circular of Ministry of Shipping bearing OM No. S2-25021/2/2017-SM dated 27.02.2019 the projects on nomination basis from all major ports to NTCPWC requires the file naming convention appended with NTCPWC and also provision in the workflow for PI. Prof Kamakoti proposed that both the points were noted and it will be addressed in the workflow system.
6. Financial status
 - a. Utilisation Certificate for all the ports and MoSH was provided and the invoices for the second year is in the process of submission.
 - b. Centre Development Fund currently receives the 4% contribution from the research projects. Once the provision for PIs to add a remark on the 12% contribution to NTCPWC in the workflow the contribution will be made to the CDF account.
7. Core manpower – HRA & PF

The committee stated that there is no separate provision of HRA for project staff and its included part of their salary. PIs can review their respective staff and provide increment in salary accordingly. There is no provision for PF benefit for project staff.

The meeting ended with vote of thanks from Chairman.

Appendix – A

Item. no.	Action items	Time schedule	Status
1.	Drone based aerial Mapping and development of complete 3D model of the port area (Kamarajar, and Haldia) to conduct both on-shore and off-shore studies	2 months	Completed
2.	Supply, installation, telemetry integration and commissioning of automated tide gauge (ATG) system in river hugli and its estuary	8 months	Proposal submitted
3.	Development of the integrated system for smart port and yard management	10 months	Proposal submitted
4.	Pilot study of RT-UKC Proposal on RT-UKC was already submitted to VOC Port	6 months	Awaiting response from VOC Port. Prototype development in progress http://ntcpwc.iitm.ac.in/ukc
5.	Virtual Navigational buoys in Channels Development of web based Virtual tidal stations through simulation and modelling tools.	Scheduled to release by mid-July 2019	Beta version for Hoogly estuary (KoPT) already released. http://ntcpwc.iitm.ac.in/chainage
6.	Development of navigation apps Development of portable ENC map compatible with Android based smart devices (smart phone and Tablets) with interface option of Pilot plug for seagoing pilots.	Scheduled to release by mid-July, 2019	Beta version of the app is released. Final version will be released by mid-July, 2019.
7.	Design and development of Autonomous Surface Vessel with necessary equipment payload to conduct	3 months	Design development of the vessel is complete. Fabrication and field test will be started mid-July, 2019

	hydrographic survey within port area		
8.	<p>Development of Vessel Traffic Services & Management System</p> <p>Development of VTS & MS inhouse through NTCPWC capabilities which will allow the port operations for easy integration with their devices and interfacing of the existing software modules and hardware</p>	<p>Prototype development in 8 months</p>	<ol style="list-style-type: none"> 1. Kamarajar Port extended their interest to provide technical support for the development 2. Kolkata Port agreed to provide access to their standalone VTMS system to NTCPWC and provide technical support for the development.

Appendix – B

Sl.No	Name of the Projects	Name of the Agency	Project Cost (Rs.Lakhs)
1	Consultant for preparation of DPR for maintenance dredging to handle 14m and 14.5m draft vessels and capital dredging for handling 15.5m draught vessels	V.O.Chidambaranar Port Trust	143.311
2	Monitoring of Maintenance Dredging at 4th Container Terminal Navigational area of JNPT.	JNPT	38.055
3	QRA Study for 4 liquid terminals at Kamarajar Port , Ennore	Hindustan petroleum Corporation Limited	29.5
4	Carrying out Detailed Engineering for Construction of Common User Manifold and Project Management Consultancy for its implementation	Jawaharlal Nehru Port Trust	77.9
5	Monitoring of capital and maintenance dredging at MPT.	Mumbai Port Trust	35.4
6	Project Management Consultancy Services (PMC) for the proposed capital dredging LNG jetty and its approaches at KPL	Kamarajar Port Limited	59.295
7	Comprehensively Study for the maintenance Dredging Requirements at Deendayal Port Trust and to suggest measures to Reduce the cost	Deendayal Port Trust	463.74
8	Comprehensively Study for the maintenance Dredging Requirements at Deendayal Port Trust and to suggest measures to Reduce the cost	Deendayal Port Trust	463.74
9	Development of ship repair facility (Slipway) at Pandu, Guwahati	Inland Waterways Authority of India	16.52

10	Feasibility of Accepting Vessels with Larger Draft of up To 18m at ICTT Cochin	India Gateway Terminal Pvt. Ltd	61.95
11	Carrying out study on Haldia Lock System, alternative options for higher throughput into HDC(Phase-IV)-Retro fitting for Berths inside Dock basin at Haldia Dock Complex.	Kolkata Port Trust	325.68
12	Borehole investigation for preparation of detailed project report for revised capital dredging	V.O.Chidambaranar Port Trust	273.76
13	Carrying out the study on Maximum depth that can be dredged to handle higher draft vessels at the new coastal berth without modifying / strengthening the existing structures.	Chennai Port Trust	10.502
14	Evaluation of bids and other related works for engagement of PMC (Project Management Consultancy) for construction of New Township under Smart Industrial Port City (SIPC) plan at Paradip.	Paradip Port Trust	5.9
15	CFD/Modelling for Pump Caisson System- IOCL Paradip SWIO	Coastal Marine Construction & Engineering Ltd	8.85
16	Carry out the Dredging Plan-Capital and Maintenance Dredging at Kamarajar Pport trust.	Kamarajar Port Trust	17.7
17	Disaster Management -Conducting Hydrodynamic study in Kosasthalaiyar river mouth (Ennore Creek) and connected back water	Kamrajar port trust	220.7
18	Checking the suitability of yard cranes at Q2/ Q3 berths at Cochin Port Trust (CPT)	Cochin Port Trust	9.44

19	Techno Commercial Proposal to Carryout LNG Dredging study by IITM at Kamarajar Port.	Kamarajar Port Trust	30.68
20	Conducting Health Check-up Study of south Coal Berth (SCB) for berthing of FACT's Ammonia Vessels.	Cochin Port Trust	11.8
21	Study of Traffic Circulation inside the dock area and dispersion outside the dock area for Kolkata Port.	Kolkata Port Trust	135.7
22	Condition Assessment of concrete in the Reinforced concrete Diaphragm Walls of the Various Berths of M/s. Paradip Port Trust.	Paradip Port Trust	190.275
23	Health Audit for all berths inside Harbour area - Deepening of Iron Ore berth.	Paradip Port Trust	14.16
24	Health Audit of the Structural Units of Iron Ore handling plant in Paradip Port	Paradip Port Trust	59
25	Dredging for maintenance of channels and basins at Cochin Port Trust	Cochin Port Trust	161.424
26	Assessment of Load Carrying Capacity of Berths Q7 to Q9 of Ernakulam Wharf at Cochin Port.	Cochin Port Trust	10.62

Total number of project 26 amounts to Rs 2875.60 Lakhs