



# DEENDAYAL PORT AUTHORITY

ISO 9001:2008 | ISO 14001 | ISPS Compliant Port



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**BY Registered AD.**

No. CE/079/nRTDMS/2023/

110

Date: 28/04/2023.

To,

Dr.K. Murali, Professor,

National Technology Centre for Ports, Waterways and Coasts (NTPWC)

Indian Institute of Technology Madras, Chennai

(IIT Madras, Chennai)

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**Sub:- Online Dredging Monitoring System for Deendayal Port Authority- near Real-Time Dredging Monitoring System software – Financial Proposal of NTPWC-IITM – Reg**

Ref:

- (i) DPA's email dated 24/03/2023
- (ii) NTPWC-IITM letter No. letter No. IC/22-23/NTPWC/DPA/1101 dated 27/03/2023
- (iii) DPA's email dated 31/03/2023
- (iv) Your email dated 31/03/2023
- (v) DPA's email dated 11/04/2023 & 12/04/2023.
- (vi) NTPWC-IITM letter No. IC/22-23/NTPWC/DPA/1102 dated 15/04/2023.

Dear Sir,

Kindly refer the above cited reference for the said subject.

Your Financial Proposal dated 27/03/2023 for an amounting to Rs 10,00,000/- (Plus GST@18%) for the "subject assignment has been accepted by Deendayal Port Authority on Nomination Basis.

## A. Preamble

National Technology Centre for Ports Waterways and Coasts (NTPWC), Indian Institute of Technology, Madras, developed a software (near Real-Time Dredging Monitoring System) using the online production logs that consists of real-time production and position data. The system uses throughout dredging operations data to monitor progress via the online tools and also to visualize the data in multiple time slices such as Daily, Monthly targets.

The development of this indigenous "near Real-Time Dredging Monitoring System" is an initiative under the self-realization vision by Hon'ble Prime Minister of India, Shri. Narendra Modi, for building a 'Digital India' and using Digital Technologies for building 'Aatma Nirbhar Bharat'.

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**B. Scope of work**

Providing license for the usage of indigenous "near Real-Time Dredging Monitoring System" software for a period of one (1) year including providing training for one person authorized by the Port/ client. The system takes advantage of Internet mapping and web-services technology to publish data dynamically and enable the visualization of dredging monitoring data online. The capabilities of the system include

- a. Ingest of on board daily dredging progress report;
- b. Visualization of daily, monthly progress;
- c. Dredger performance and downtime monitoring;
- d. Location track data with snapshot on loading, unloading and idle time

**C. Financial Proposal**

Sl. No	Description	Amount (Rs)
1	Customization of Portal as per the contract requirements and license for the usage of indigenous "near Real-Time Dredging Monitoring System" software for a period of one (1) year	10,00,000
GST at the rates applicable (18%) shall be paid extra		

**D. Terms and Conditions**

- i. The above-mentioned rates are applicable for providing the services for a period of one year only. Further the license may be extended at mutually agreed cost.
- ii. NTCPWC is not responsible for any errors and shortcomings of the data. Data quality shall be ensured by the client.

**E. Payment Terms**

- 1) 60% of the quoted amount along with work order.
- 2) Balance 40% of the quoted amount shall be payable upon publishing customized portal as per the requirement of Port.

Please acknowledge receipt.

Yours faithfully,

  
Dy. Chief Engineer (H & D)  
Deendayal Port Authority.