

# DEENDAYAL PORT TRUST



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**BY Registered AD.**

No. HD/WK/2021/1079/

609

Date 25/01/2022.

To,

Dr.K. Murali

Professor,

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

IIT Madras, Chennai

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**Sub:- Comprehensive study for the Deepening of Navigational channel to increase the draught of Navigational Channel at Deendayal Port Trust including Capital & Maintenance dredging requirements, and Preparation of Technical & Commercial Feasibility Report-Reg.**

Ref:

- (i) DPT letter No. HD/WK/2021/1079/353 dated 10-09-2021
- (ii) VC Meeting dated 14-09-2021.
- (iii) DPT letter No. HD/WK/2021/1079/377 dated 17-09-2021
- (iv) NTCWPC-IITM letter No. IC/21-22/NTCPWC/DPT/2100 dated 20/09/2021-Financial Proposal
- (v) DPT email dated 05/10/2021
- (vi) NTCWPC-IITM letter No. IC/21-22/NTCPWC/DPT/2100/Rev dated 05/10/2021-Financial Proposal-Revised.

Dear Sir,

Kindly refer the above cited reference for the said subject.

In this regard, It is to inform you that your modified Financial Proposal for an amounting to Rs **36,00,000/- Plus 18% GST i.e. Rs. 42,48,000/- (Rupees Forty Two Lakhs and Forty Eight Thousand only)** (inclusive of GST@18%) for the "Comprehensive study for the Deepening of Navigational channel to increase the draught of Navigational Channel at Deendayal Port Trust including Capital & Maintenance dredging requirements, and Preparation of Technical & Commercial Feasibility Report " has been accepted by Deendayal Port Trust on **Nomination Basis**.

## **A) Scope of work:**

- 1) Collection and collation of soil investigation Report and other relevant report/ data available with Deendayal port Trust (DPT).

- 2) Conducting Techno-commercial feasibility study for the deepening and widening of the navigational channel covering
- Assessment of Bathymetry survey and Hydrological condition (Salinity, Current, wind, etc.).
  - Assessment of soil or sediment type and its characteristics from the Geotechnical Investigation report/ other details shared by DPT.
  - Determination of characteristics of the seabed at Kandla Creek (both inner & Outer).
  - Assessment of discharge and suspended sediment at different sections along the entire length of Kandla Creek up to OTB and the impact of the same towards increased siltation due to Deepening and widening at different areas/ zones of the navigational channel,
  - Mathematical model studies of hydrodynamic and siltation of Gulf of Kutch, Port area and creek for different scenarios for deepening of Navigational channel including Kandla creek for depth beyond (-)10m i.e. (-)10.50m or (-)11.0m.
  - Estimated annual siltation and projected dredging quantity in different zones/ areas of the Navigation channel including Kandla Creek Inner and Outer.
  - Cost Estimates.
- 3) Determining the designed depth, lines and levels backed by cargo throughput analysis and capacity availability of infrastructure of the Port and submission of the Feasibility Report

**Note:**

- The feasibility report shall cover among other things the techno-commercial feasibility of the deepening and widening of the navigational channel including Kandla creek inner & Outer.
- For deepening and widening of the navigational channel and Kandla creek (inner & Outer) due consideration shall be given to determine the designed depth based on vessel draft, cargo capacity and on Port's Business/ Investment model.

**B) Financial Proposal**

Sl. No	Description	Amount (Rs)
1.	Collection and collation of soil investigation Report and other relevant report/ data available with Deendayal port Trust (DPT).	Nil
2.	Conducting Techno-commercial feasibility study for the deepening and widening of the navigational channel covering	
a	Assessment of Bathymetry survey and Hydrological condition (Salinity, Current, wind, etc.).	8,00,000/-
b	Assessment of soil or sediment type and its characteristics from the Geotechnical Investigation report/ other details shared by DPT	
c	Determination of characteristics of the seabed at Kandla Creek (both inner & Outer) based on the data provided by DPT.	
d	Mathematical model studies of hydrodynamic and siltation of Gulf of Kutch, Port area and creek for different scenarios for deepening of Navigational channel including Kandla creek for depth beyond (-)10m i.e. (-)10.50m or (-)11.0m & Assessment of discharge and	15,00,000/-



	suspended sediment at different sections along the entire length of Kandla Creek up to OTB and the impact of the same towards increased siltation due to Deepening and widening at different areas/ zones of the navigational channel.	
e	Estimated annual siltation and projected dredging quantity in different zones/areas of the Navigation channel including Kandla Creek Inner & Outer.	<b>Nil</b>
f	Cost Estimates.	<b>5,00,000/-</b>
3	Determining the designed depth, lines and levels backed by cargo throughput analysis and capacity availability of infrastructure of the Port and submission of the Feasibility Report. Traffic study will be supplied by DPT.	<b>8,00,000/-</b>
	Sub Total	<b>36,00,000/-</b>
	GST @ 18%	<b>6,48,000/-</b>
	Grand Total	<b>42,48,000/-</b>
<b>(Rupees Forty-Two Lakhs and Forty-Eight Thousand only)</b>		

### C) Terms & Conditions:

- The scope does not cover conducting any soil investigation, bathymetry survey and other environmental conditions and these details shall be made available by DPT.
- The traffic study conducted in the recent past including masterplan reports relating to vessel draft, cargo capacity and on Port's Business/ Investment model, if any.
- In case any professors or senior officials are required to visit DPT in connection with the finalization of the report at the request of DPT, necessary transportation and accommodation shall be arranged by DPT at free of cost.
- Whenever, the senior officials are invited for discussions of presentation, necessary transportation and accommodation shall be arranged at free of cost. In addition, if any of the project staff/ officers are deputed in connection to the above study, DPT may provide accommodation and boarding arrangements at the guest house and NTCPC shall meet the expenditure.
- Necessary harbour entry passes for the men, machinery and equipment, if required shall be arranged by DPT at free of cost.

### D) Deliverables

- 1) Inception Report – T0 + 15 days.
- 2) Draft Technical & Commercial Feasibility Report – T0 + 60 days.
- 3) Final Technical & Commercial Feasibility Report – within 15 days from the date of receipt of concurrence/ comments for the Draft Report.

**Note:** Ta – Date of Receipt of work order and/ or date of receipt of documents, whichever is later.

### E) Payment Terms


- 1) 50% of the quoted amount on submission of Inception Report.
- 2) 40% of the quoted amount on submission of Draft Technical & Commercial Feasibility Report.
- 3) Balance 10% of the quoted amount on submission of Final Technical & Commercial Feasibility Report.

Note: Any payment made to IIT Madras is exempted from income Tax. All payments in connection with this project should be in the form of crossed demand draft in favour of **INDIAN INSTITUTE OF TECHNOLOGY, MADRAS.**

This has the approval of Chief Engineer.

Please acknowledge receipt.

Yours faithfully,

  
Superintending Engineer (H & D)  
Deendayal Port Trust