



KOLKATA PORT TRUST

Hydraulic Study Department
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Hyd/9043/D/Part-IV/

Date: 07-10-2016

To
Prof. V. Sundar
Department of Ocean Engineering
Indian Institute of Technology, Madras
Chennai- 600036

Sub: Extended monitoring study, Feasibility study for Silt trap dredging, dyke at Nayachara Island & reclamation of western bank of Saugor Island by IIT, Madras

Ref: (i) Your letter dated 20th August, 2016

(ii) Your mail dtd. 9th September, 2016 in response to this office mail dtd. 8th September, 2016

Sir,

Reference above, your offer (fees) for undertaking the following study has been accepted by Kolkata Port Trust Administration at a total cost of Rs. 226 Lakh (Rupees Two Crore twenty-six lakh only) plus statutory Service taxes as applicable along with the offered terms and conditions as detailed in your proposal:

- I. Monitoring of navigational channel leading to HDC upto February, 2017
- II. Feasibility study of proposed Silt Trap dredging near the confluence of river Haldi – preparation of DPR incorporating Tender Engineering of the Project
- III. Feasibility study of development of dyke at Nayachara Island for dumping of dredged materials along with its possible re-use - preparation of DPR incorporating Tender Engineering of the Project
- IV. Feasibility study of reclamation on the western bank of Saugor Island using dredged materials from navigational channel for development of Saugor Port - preparation of DPR incorporating Tender Engineering of the Project
- V. Feasibility study for anchoring of Mini Cape size vessels at Saugor Anchorage area.

You are now requested to take up the above studies as detailed in your proposal under reference.

Time-line, Deliverables & Terms of Payment:

| <u>Time-line</u> | <u>Deliverables</u> | <u>Terms of Payment</u> |
|-------------------------|--|--------------------------------|
| T0-Work Order | Submission of Project Inception Report with details of studies proposed and methodology | 30% of total fees |
| T0 + 45 Days | Submission of Interim Report with draft DPR for Silt trap, Sagar reclamation, Nayachar dyke & Model Study report | 40% of total fees |
| T0 + 90 Days | Submission Final Report with all studies and results of monitoring | 20% of total fees |
| February, 2017 | Acceptance of Final Report on monitoring study of navigational channel leading to HDC | 10% of total fees |

All payments will be in the form of crossed Demand Draft favouring Indian Institute of Technology Madras.

Other terms :

- KoPT would provide all logistics during monitoring (launch / boat, equipment, guest house accommodation, local transport at Haldia & Kolkata, field office at HDC)
- KoPT shall organize borehole investigations at the foreshore of western bank of river Hugli adjacent to Nandigram, proposed dyke area at the foreshore of Nayachara Island, foreshore of eastern bank of Sagar development Phase-I

Timeline for submission of Final Report

28th February, 2017

All reports of the Study have to be submitted in 5 (five) hard copies and one soft copy. You will be required to present the report and the recommended measures before different statutory bodies viz Board of Trustees of KoPT, Technical Advisory Committee & Expert Committee of KoPT, Officials of Ministry of Shipping etc. as necessary for obtaining clearance of the final recommendations and/or recommended measures - methods as a part of your final report.

You may have to monitor the implementation of any river training work, if recommended by you, during its execution, with due approval of competent authority, as per mutually agreed terms, conditions & cost.

This may be treated as a formal Work order.

Kindly acknowledge the receipt of the Work Order and arrange to return a signed copy as a mark of acceptance at the earliest.

Please note that all letters under reference along with their enclosures will be binding on KoPT and IIT Madras.

Sincerely yours,

(B. Chaudhuri)
Chief Hydraulic Engineer

Copy to :

- (1) The Commissioner of Income Tax (TDS), 10-B, Middleton Row, Kol- 700071
- (2) The Commercial Tax Commissioner, Sales Tax Building, 14, Beliaghata Road, Kolkata – 700015
- (3) The Chief Vigilance Officer, KoPT for information please.
- (4) The Dy. Chief Hydraulic Engineer for information & n/action please.
- (5) The GM (Fin), I/c (HDC) for information please. This has reference to his concurrence vide. No. M/C-25 dt. 22.09.2016.
- (6) The Director (P & R) [Attn : Sr. Dy. Director (Comp)] for info. & necessary publication of the tabular relevant info in the KoPT website pl. The softcopy has been emailed to hocc@kopt.in
- (7) A/c cell, HSD [Thro' : Mr. S. Bhuniya, S.O] for information and necessary action please.