

## Corrigendum No.2

Dated: 12.05.2020

### National Technology Centre for Ports Waterways and Coast (NTCPWC)

#### Department of Ocean Engineering, IIT Madras

**Name of work:** “Geotechnical Investigations alongside the existing South Coal Berth at Cochin Port Trust, Cochin, Kerala.”

Subsequent to the pre-bid meeting held through video conference on 08.05.2020, the corrigendum no.2 is hereby issued.

S. No.	Item Description	Reference		Existing clause	Amended clause
		Page	Clause		
1	Earnest Money Deposit	Page 5 of 34	1.4	Rs. 75,000/- in the form of DD drawn in favour of The Registrar IIT Madras Chennai issued by any Commercial or Nationalized bank. The DD shall be placed only in the only in the technical bid failing which the tender shall be summarily rejected.	The clause may be corrected and read as “Rs. 75,000/- in the form of DD drawn in favour of The Registrar IIT Madras Chennai issued by any Commercial or Nationalized bank. The EMD amount <b>can also be deposited through Online transfer as per the bank details in annexure I.</b> ” The DD and/ or the receipts towards online transfer shall be placed only in the only in the technical bid failing which the tender shall be summarily rejected.
2	Completion period of project	Page 8 of 34	2.8	Submission of Draft report: 3 days after completion of last borehole; however intermediate reports are to be submitted on the specific direction of the Employer.	The clause may be corrected and read as “Submission of Draft report: <b>7 days</b> after completion of last borehole; however intermediate reports are to be submitted on the specific direction of the Employer.

S. No.	Item Description	Reference		Existing clause	Amended clause
		Page	Clause		
3	Soil Sampling	Page 20 of 34	3.5.1	In general soil samples shall be collected at every 2m at the change of strata.	The clause may be corrected and read as "In general soil samples shall be collected at every <b>1.50m or at the change of strata.</b> "
4	Bill of Quantities	Page 26 of 34	4.1	Bill of Quantities and Rates.	<b>The Section IV- BOQ and Rates has been revised and attached as annexure II which will supersede the existing provisions in the Tender.</b>

The clauses modified through this corrigendum supersedes the similar provisions available elsewhere in the tender, wherever they are in variance.

All other conditions in Tender No. OED/2020/GTI/NTCPWC/SASA/001 remains unchanged.



**Prof.S.A.Sannasiraj**

**Bank details for online payment of EMD**



CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR)  
INDIAN INSTITUTE OF TECHNOLOGY MADRAS  
CHENNAI 600 036



**ELECTRONIC CLEARING SERVICE (Credit Clearing)/ REAL TIME  
GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS**

**A. Details of Account Holder**

Name of the Institution	Indian Institute of Technology - Madras
Complete Contact Address	Industrial Consultancy and Sponsored Research Indian Institute of Technology-Madras, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036
Telephone No./ Fax No.	Tel - 044-22578355 / Fax - 044-22570545
E- mail ID of the FO/AO/REG/DIR	dricsr@iitm.ac.in

**B. Bank Account Details:**

Institution Account Name (As per Bank Record)	The Registrar, Indian Institute of Technology - Madras
Account No.	2722101003872
Account Print Name	The Registrar IIT Madras
IFSC CODE	CNRB0002722
Bank Name (in full)	Canara Bank
Branch Name	IIT-Madras Branch
Complete Branch Address	Canara Bank, IIT-Madras Branch, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036
MICR No.	600015085
Account Type	Savings Account

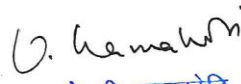
Certified that the Institute's account is in an RTGS enabled branch.  
I hereby declare that the particulars given above are correct and complete.

Date: 21/02/20

Signature of the Competent Authority  
of the Institution with seal.

Certified that the particulars furnished above are correct as per our records.

Date: 21/02/20

  
प्रो. वी. कामकोटि  
Prof. V. KAMAKOTI  
होद-डीन / ASSOCIATE DEAN  
केन्द्र परामर्श एवं प्रायोजित अनुसंधान  
CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH  
आईसी मद्रास, चेन्नै 600036  
IIT MADRAS, CHENNAI-600 036.

Signature of the Authorized  
Bank Official with Bank Seal.

  
Officer  
IIT Branch, Chennai-36



जे. चंद्रकला/J. CHANDRAKALA  
अधिकारी/OFFICER  
S.P. No: 70973

**SECTION - IV****4.1 Bill of Quantities and Rates.**

Item No.	Description of Services	Unit	Qty	Rates (in Rs)		Amount (in Rs)
				Figures	Words	
1	<p>Mobilisation and demobilisation of all the equipment/plant at site for the execution of the proposed geotechnical investigation works, setting up site organisation, shifting of all the Plant/equipment, men and materials from one borehole location to the next borehole location including accurate positioning, erection/ dismantling of rig all as directed including the costs of staff and labour and all other services, etc complete.</p> <p>Note:</p> <ul style="list-style-type: none"> <li>• Bidders are advised that initially, payment for item no 1 of the BoQ will be restricted to an amount say (A) worked out as 15% of the (Overall quoted value minus the Lump sum quoted for Item No. 1), irrespective of the Lump sum amount quoted by them.</li> <li>• 70% of the amount (A) shall be released upon mobilization of all the boring equipment and successful completion of a minimum of two boreholes.</li> <li>• The balance amount out of the Lump sum quoted under item no.1, in excess of (A) will be released only after demobilization of all equipment and satisfactory completion of the work ordered including submission of all relevant reports.</li> </ul>	Lump sum	LS			
2 (a)	Making Marine Boreholes of dia not less of 100 mm for a depth of 70 m below the existing Sea bed level with shell and auger or rotary drill rig in all soils as per relevant	Nos.	5			

Item No.	Description of Services	Unit	Qty	Rates (in Rs)		Amount (in Rs)
				Figures	Words	
	<p>specifications including shifting and positioning boring equipment at each borehole location, all labour, tools &amp; equipment, tackles, consumables etc.</p> <p>Note:</p> <ul style="list-style-type: none"> <li>• In case of rocky stratum, the Triple Tube Core Barrel shall be used to extract samples.</li> <li>• The quoted rate should cover the use of the Triple Tube Core Barrel for the sample.</li> </ul>					
2 (b)	<p>Rebate for not drilling borehole to the stipulated level of 70m below the existing bed level at each borehole location.</p> <p>Note:</p> <p>Bidders shall not quote the rate for this item. The rebate will be derived on Pro-rata basis from the quoted rate for item 3(a) for the shortfall in depth.</p>	Rm				
3.	<p>Conducting field test as per the relevant Indian Standards including, but not limited to (i) taking disturbed soil samples from every borehole at every 1.5m depth or at every change of stratum whichever occurs earlier; (ii) taking undisturbed soil samples at every 3m depth from every bore hole in cohesive soil layers; (iii) taking Water Samples at 4m intervals from every borehole to determine Sulphate and Chloride Contents of Water; (iv) Taking Soil Samples at 4m intervals from every borehole to determine Sulphate, Chloride and Organic Matter Contents of soil samples.</p> <p>The rates shall include cost of all labour, tools, tackles, equipments, transport, fuel etc all as per relevant specifications.</p>	Per borehole	5			

Item No.	Description of Services	Unit	Qty	Rates (in Rs)		Amount (in Rs)
				Figures	Words	
5.	<p>Conducting Laboratory tests as per the relevant Indian Standards including, but not limited to, (i) To determine Liquid and Plastic Limit; (ii) To carry out Particle Size Analysis both by Sieve and Hydrometer; (iii) To determine Specific Gravity of soil; (iv) To carryout Consolidation Test; (v) To carryout Direct Shear Test; (vi) To carry out Triaxial Compression Test (drained and undrained) including determination of Moisture Content and Density of each specimen; (vii) To carry out Constant Head Permeability Test on Coarse-Grained soil; (viii) To carry out Variable Head Permeability Test on fine grained soil; (ix) To determine Sulphate and Chloride Contents of Water samples taken at 4m intervals; (x) To determine Sulphate, Chloride and Organic Matter Content of Soil Samples taken at 4m intervals.</p> <p>The rates for all laboratory tests shall include cost of all labour, tools, tackles, equipment, transport, fuel etc all as per relevant specifications.</p>	Per borehole	5			
6.	Data compilation and submission of Soil investigation report	Lump sum	LS			

**Note:** The quantity mentioned in this schedule is indicative which may vary to suit the site conditions and also based on the requirement of the Cochin Port Trust during execution. However, the overall variation in the contract value consequent to the revision in the quantity(ies) in one or more items will be limited to +/- 40% and the contractor's quoted rate shall remain unchanged upto the variation limit specified above.