

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY PROCUREMENT CELL

Phone # 99261261–68, (Ext. 2471 & 2501) Fax # 99261255, e-mail: dp@neduet.edu.pk "Say No to Corruption"



Director Procurement

No. DP/RG-143951/7052/ 3938 May 31, 2021

Notice Inviting Tender

NEDUET invites sealed bids on single stage one envelope procedure from firms having registration with Income Tax, Sales Tax and Sindh Revenue Board (whichever is applicable) to carry out following:

S#	Tender / Number		Tender Fee Rs			
		Issue / Sale		6.1		
-		From	То	Submission	Opening	
1.	Procurement of Remaining Laboratory Equipment for Establishment of Civil Engineering Program at Thar Institute of Engineering Science & Technology (TIEST). Tender # PC/NED/RGT/ Lab Equipment/7052/2021	07.06.2021	23.06.2021	24.06.2021 10:00 A.M.	24.06.2021 10:30 A.M.	1000/-

Eligibility Criteria

- i. The bidder must have at least 3 years of experience in the relevant field
- ii. Details of turn-over (Including in terms of Rupees) of at least last three years that average turnover of last three years should not be less than Rs 9 million per year.
- iii. Registration with FBR / SRB (whichever is applicable).

Tender Fee and Bid Security @ 5% of bid cost in shape of Payorder should be in favor of Director Finance. Bidding documents can be obtained and shall be submitted in the office of ADP – II as per above schedule. Bidders are requested to give their Best and Final Price as "No Negotiations" is permitted. Bidding Documents containing detailed terms and conditions are available at Websites www.neduet.edu.pk and www.ppms.pprasindh.gov.pk.

Director Procuren

ISSUED ON:	 -	
ISSUED TO:		

PROCUREMENT CELL



BID DOCUMENTS

"Procurement of Remaining Laboratory Equipment for establishment of Civil Engineering Program at Thar Institute of Engineering Science & Technology (TIEST"

TENDER NO. PC/NED/RGT/Lab Equipment/7052/2021

LIST OF CONTENTS

PART	DESCRIPTION
Part-I	NOTICE INVITING TENDERS
Part-II	INSTRUCTIONS TO BIDDERS
Part-III	GENERAL CONDITIONS OF CONTRACT
Part-IV	BID DATA SHEET
Part-V	SPECIAL CONDITIONS OF CONTRACT
Part-VI	SCHEDULE OF REQUIREMENT
Part-VII	SAMPLE FORMS
Part-VIII	SPECIFICATIONS AND QUANTITIES

PART-II INSTRUCTION TO BIDDERS

i Source of Funds

Funds would be arranged from Thar Campus budget of NED University of Engineering & Technology. The eligible payment under the contract is to be made from this approved project.

ii Eligible Bidders

- ii.a This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules, 2009 and its Bidding Documents except as provided hereinafter.
- ii.b Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
- ii.c Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.
- ii.d Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the any government organization.

iii Eligible Goods and Services

- iii.a The origin of all the goods & related services to be supplied under the Contract should be mentioned.
- iii.b Origin means the place where the goods are mint, grown or produce or the place from which the related services are supplied.
- iii.c The Origin of goods and services is distinct from the nationality of bidders.

iv Cost of Bidding

iv.a The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as "the Procuring agency," will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

v Content of Bidding Documents

- v.a The bidding documents include:
 - (a) Instructions to Bidders (ITB)
 - (b) Bid Data Sheet
 - (c) General Conditions of Contract (GCC)
 - (d) Special Conditions of Contract (SCC)
 - (e) Schedule of Requirements
 - (f) Technical Specifications
 - (g) Bid Form and Price Schedules
 - (h) Bid Security Form
 - (i) Contract Form
 - (j) Performance Security Form
 - (k) Manufacturer's Authorization Form
- v.b The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.
- vi Clarification of Bidding Documents
- vi.a A interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

vii Amendment of Bidding Documents

- vii.a At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.
- vii.b All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be binding on them.
- vii.c In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

1. Scope

1.1 The NED University of Engg. & Tech., Karachi intends the subject procurement through National Competitive Bidding Single Stage one Envelope Procedure as per SPPRA Rules-2010 (Amended 2019).

2. Language of Bid

2.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the English language.

3. Documents Comprising the Bid

3.1 The bid prepared by the Bidder shall comprise the following components:

- a) Price Schedule completed in accordance with ITB Clauses 4, 5 and 6.
- b) bid security furnished in accordance with ITB Clause-9.

4. Bid Prices

- 4.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.
- 4.2 The prices shall be quoted on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location specified in the schedule of Requirements. No separate payment shall be made of the incidental services.
- 4.3 Prices quoted by the by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet.
- 4.4 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

5. Bid Form

- 5.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 6. Bid Currencies
- 6.1 Prices Shall be quoted in Pak Rupees.
- 7. Bidder's Eligibility
- 7.1 As defined in Bid Data Sheet.

8. Documents
Establishing
Goods'
Eligibility
and
Conformity
to Bidding
Documents

8.1 The documents evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and Data, and shall consist of:

- (a) a detailed description of the essential technical and performance characteristics of the goods;
- (b) the Bidder shall note that standards for workmanship, material ,and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specification are intended to be descriptive only and not restrictive :till stated otherwise in Technical Specifications or Bid Data Sheet .The Bidder may substitute alternative standards, brand names , and /or catalogue numbers in its bid , provided that demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the in the Technical Specifications

9. Bid Security

- 9.1 The bid security is required (in the amount specified in the bid data sheet) to protect the Procuring agency against the risk of Bidder's conduct, which would warrant the security's forfeiture The bid security shall be denominated in the currency of the bid:
 - a) at the Bidder's option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank:
 - b) be submitted in its original form: copies will not be accepted;
 - c) remain valid for a period of at least 14 days beyond the original validity period of bids, or at least 14 days beyond any extended period of bid validity.
- 9.2 bid security shall released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
- 9.3 The successful Bidder's bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.
- 9.4 The bid security may be forfeited:
 - a) if a Bidder withdraws its bid during the period of bid validity or
 - b) in the case of a successful Bidder, if the bidder fails:
 - (i) to sign the contract in accordance or
 - (ii) to furnish performance security

10. Period of Validity of Bids

10.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency. A bid valid for a shorter period shall be rejected by the Procuring agency as non responsive.

10.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitable extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required not be required nor per mitted to modify its bid.

11. Format and Signing of Bid

- 11.1 The Bidder shall prepare an original bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" as appropriate. In the event of any discrepancy between them, the original shall govern.
- 11.2 The original bid shall be shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract.
- 11.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

D. Submission of Bids

12. Sealing and Marking of Bids

12.1 The Bidder shall seal the original bid in envelope, duly marking the envelope as "ORIGINAL BID". The envelope shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed to the Procuring agency at the address given in the BDS, and carry statement "DO NOT OPEN BEFORE"

at

A.M"

12.2 If the outer envelope is not sealed and marked as required, the Procuring agency shall assume no responsibility for the bid's misplacement or premature opening.

13. Deadline for Submission of Bids

- 13.1 Bids must be received by the Procuring agency at the address specified in Bid Data Sheet, not later than the time and date specified in Bid Data Sheet.
- 13.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in such case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline.

14. Late Bids

14.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribes by the Procuring agency shall be rejected and returned unopened to the Bidder.

15. Modification 15.1 and Withdrawal of Bids

5.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.

- 15.2 No bid may be modified after the deadline for submission of bids.
- 15.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security.

E. Opening and Evaluation of Bids

16. Opening of Bids by the Procuring agency

- 16.1 The Procuring agency shall open all bids in the presence of bidder's representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register/attendance sheet evidencing their attendance.
- 16.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presences or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening.

17. Clarification of Bids

17.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

18. Preliminary Examination

- 18.1 The Procuring agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 18.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.

18.3 Prior to the detailed evaluation, the Procuring agency will determine the substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.

- 18.4 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
- 19. Evaluation and Comparison of Bids
- 19.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.
- 19.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location and shall exclude any allowance for price adjustment during the period of execution of the contract.
- 20. Contacting the procuring agency
- 20.1 No Bidder shall contact the procuring agency on any matter relating to its bid, from the time of bid opening to the time the announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the procuring agency, it should do so in writing.
- 20.2 Any effort by a Bidder to influence the Procuring agency in its decision on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

Award of contract

21. Post – Qualification

- 21.1 In the absence of prequalification, the procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluation responsive bid is qualified to perform the contract satisfactorily.
- 21.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Claus-7 as well as such other information as the Procuring agency deems necessary and appropriate.
- 21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to perform satisfactorily.

22. Award Criteria

- 22.1 The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.
- 22 a Procuring
 Agency's
 right to vary
 quantities at
 the time of
 award
- The Procuring Agency reserves the right to increase/decrease the quantity of the required items and /or purchase part items already tendered either in full or in part. The Procuring Agency reserves the right to accept or reject any or all of the Tenders; divide business amongst more than one bidder.
- 23. Procuring agency's Right to Accept any Bid and to Reject any or All Bids
- 23.1 Subject to relevant provisions of SPP Rules 2010 (Amended 2019), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.
- 23.2 Pursuant to Rule 45 of SPP Rules 2010 (Amended 2019), Procuring agency shall hoist the evaluation report on Authority's web site, and intimate to all the bidders seven days prior to notify the award of contract.
- 24. Notification of Award
- 24.1 Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.

24.2 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 26, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security.

25. Signing of Contract

- 25.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 25.2 Within fourteen (14) days, or any other period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

26. Performance 26.1 **Security**

- 26.1 Within seven (07) days, or any other period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 26.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 25 or ITB Clause 26.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

27. Corrupt or Fraudulent Practices

- 27.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made there under:
 - (a) "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below;
 - (i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

- (iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- (iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- b) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

<u>Part-III</u> General Conditions of Contract

- 1. Definitions
- 1.1 In this Contract, the following terms shall be interpreted as indicated:
 - (a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
 - (c) "The Goods" means all of the equipment, machinery, and/or other materials, which the Supplier is required to supply to the Procuring agency under the Contract.
 - (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
 - (e) "GCC" mean the General Conditions of Contract contained in this section.
 - (f) "SCC" means the Special Conditions of Contract.
 - (g) "The Procuring agency" means the Sindh Public Procurement Regulatory Authority (SPPRA), Government of Sindh.
 - (h) **"The Supplier"** means the individual or firm supplying the Goods and Services under this Contract.
 - (i) "SPP Rules 2010" means the Sindh Public Procurement Rules 2010 (Amended 2019).
 - (j) "Day" means calendar day.

2. Standards

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

3. Patent Rights

The Supplier shall indemnify the Procuring agency against all third- party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Islamic Republic of Pakistan.

4. Performance Security

- 4.1 Within seven (07) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 4.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 4.3 The performance security shall be denominated in the Pak rupees and shall be an unconditional bank guarantee, pay order, call deposit as, provided in the bidding documents or another form acceptable to the Procuring agency;
- 4.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

5 Inspections and Tests

- 5.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 5.2 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 5.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Manufacturer.

5.5 Nothing in GCC Clause 5 shall in any way release the Supplier from any warranty or other obligations under this Contract.

6. Packing

The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.

7. Delivery and Documents

Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping/ transportation and/or other documents to be furnished by the Supplier are specified in SCC.

8. Insurance

No need of Insurance for Local Supplies, However Supplier is responsible to deliver the goods in perfect condition to the end user.

9. Transportation

The Supplier is required under the Contact to transport the Goods to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.

10. Incidental Services

- 10.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

11. Spare Parts

- 11.1 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
 - (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and

- (b) in the event of termination of production of the spare parts:
- (i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
- (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

12. Warranty

- 12.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of desired models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 12.2 This warranty / maintenance period shall remain valid for six (06) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract
- 12.3 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

13. Payment

- 13.1 The firm should submit stamp duty as per Government Rule before execution of work.
- 13.2 Within 30 days after the issuance of inspection certificate and consignee's receipt certificate as mentioned in SSC clause 6.
- 13.3 If the supply is not according to the specifications or unsatisfactory, the Contract will rejected and cancelled at the risk and cost of Firm
- 13.4 If the firm fails to execute the contract/supply order as per condition, action will be taken against them which may be their black listing and Earnest Money. / Security Deposit will be forfeited.

13.5 In case of late delivery @ 0.1% per day will be charged on bid amount deducted from the bill, but not more than 10% of contract value.

13.6 The currency of payment is Pak. Rupees.

14. Prices

Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid,

15. Contract Amendments

No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

16. Delays in the Supplier's Performance

- 16.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 16.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions obstructing timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 16.3 Except as provided under GCC Clause 19 a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 17 unless an extension of time is agreed upon pursuant to GCC Clause 16.2 without the application of liquidated damages.

17. Liquidated Damages

Subject to GCC Clause 19, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 18.

18. Termination for Default

- 18.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 16: or
- (b) If the Supplier fails to perform any other obligation(s) under the Contract.
- (c) If the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 18.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 18.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

19. Force Majeure

- 19.1 Notwithstanding the provisions of GCC Clauses 16, 17 and 18, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 19.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

19.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

20. Termination for Insolvency

20.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accursed or will accrue thereafter to the procuring agency.

21. Termination for Convenience

- 21.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 21.2 The Goods that are compete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the Contract terms and prices. For the remaining Goods, the Procuring agency amy elect:
 - (a) to have nay portion completed and delivered at the Contract terms and prices; and / or
 - (b) To cancel the remainder and pay to the Supplier and agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Suppliers

22. Resolution of Disputes

Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act 1942.

23. Governing Language

The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

24. Applicable Law

The Contract shall be interpreted in accordance with the SPP Rules 2010 (amended 2019).

25. Taxes and Duties

Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

26. Overriding effect of Sindh Public Procurement Rules 2010 (Amended 2019)

In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended 2019) shall have an overriding effect notwithstanding anything to the contrary contained in these bidding documents

Part-IV [Bid Data Sheet]

The following specific data for the subject procurement to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

	Introduction
ITB 1	Name of Procuring Agency: Office of The Assistant Director Procurement – II, NED University, Karachi. Tel # 99261261-68, (Ext: 2291), Fax: 99261255
	Name of Contract. ""Procurement of Remaining Laboratory Equipment for establishment of Civil Engineering Program at Thar Institute
	of Engineering Science & Technology (TIEST""
	Bid Price and Currency
ITB 4	Prices quoted by the Bidder shall be "fixed" and in" Pak Rupees"
	Preparation and Submission of Bids
TB 7	 Selection / Eligibility / Responsiveness criteria: Bidder should quote price only in PKR. With all corrected applicable taxes and duties. Having local presence in Karachi. Bid should be accompanied with client list. Bidder should strictly compliant with technical specification; no optional /alternative item will be accepted. The bidder must have at least 3 years of experience in the relevant field. Income Tax Certificate (NTN) GST Registration Certificate. Details of turn-over (Including in terms of Rupees) of at least last three years that Average turn-over of at least last three years should not be less than 9 Million per year
VID 0	9. Affidavit confirming that the firm has not been black listed by any Government, Semi Government or Autonomous Bodies on non-judicial stamp paper.
ITB 9 ITB 10	Amount of bid security. 5% of Bid Value Bid validity period. 90 days
ITB 10	Number of copies. One original
ITB 13	Deadline for bid submission. As notified in NIT
ITB 19.1	Bid Evaluation: Lowest evaluated responsive bid

Other Terms & Conditions:

i. In case of any unforeseen situation or government holiday resulting in closure of office on the date of opening. Bid shall be submitted / opened on next working day at the given time

- ii. Tender documents can also be obtained by post against Pay Order/Bank Draft of Rs-800/- as courier charges in addition of tender fee.
- iii. NEDUET may reject all or any bid subject to relevant provision of SPP Rules and may cancel the bidding process at any time prior to acceptance of bid or proposal as per Rule 25(1) of said rules.
- iv. Incomplete, conditional and tender without required earnest money in the specified form/format shall be rejected.
- v. Bidders are advised that before filling the bidding documents all pages of bidding documents should carefully be rechecked. If any page(s) / paper(s) of bidding documents are missing that can be downloaded from the official website of this University and SPPRA, and also can be obtained from the office of the ADP-2 in Procurement Cell, NEDUET, Karachi. Bid(s) with incomplete bidding documents will straightaway be rejected.
- vi. Bidders are required to provide their valid e-mail Ids and contact numbers (s) for effective and timely communication
- vii. Affidavit that firm has never been blacklisted.
- viii. All Bidding documents must be signed, named & stamped by authorized person of the firm/ Companies along with authorized letter.
- ix. Incomplete, conditional and tender without required bid security as specified in the bidding documents, shall be reject. Each page of bidding documents should be signed and stamped.
- x. Contract Agreement and Integrity Pact both are mandatory for successful bidder.
- xi. Prescribed Sales Tax Invoice, payment of Stamp Duty at rate specified by Government of Sindh, Valid Professional Tax Certificate and Job Completion / Inspection Certificate duly issued by Indenting Department will be required for payment. However, withholding of all government Taxes shall apply as rates specified in relevant Government Schedule.

Signature & Stamp of Tenderer

Part-V

Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC Clause 1)

GCC 1 (g)—The Procuring Agency is: Office of the Procurement Cell, NED University of Engineering & Technology, Karachi.

2. Performance Security (GCC Clause 4)

GCC 4—The amount of performance security, as a percentage of the Contract Price, shall be: 5%.

3. Inspections and Tests (GCC Clause 5)

Inspection of NEDUET shall inspect the procured good and ensure that it meets the tender specifications before its acceptance

4. Delivery and Documents (GCC Clause 7)

GCC 10—Supplier shall supply and install the good within ____ Days after signing the contract and shall submit the following.

- (i) Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Packing List identifying the contents of Supply;
- (iii) Delivery note.
- (iv) Warranty and guarantee certificate;

5. Warranty (GCC Clause 12)

The equipment shall bear Standard warranty (with free parts & labor) from the date of installation / acceptance. Upon expiration of warranty, Purchaser at its option may enter into a Service Level Maintenance Agreement upon expiry of the warranty period in accordance with terms embodied in Appendix-A hereto

6. Payment (GCC Clause 13)

100% of the Contract Price shall be paid upon 100% delivery, and satisfactory Installation, integration and testing of the products at the Project site (s), subject to the production of installation and Operational Acceptance Certificates duly signed by authorized Inspection Committee of NEDUET.

7. Liquidated Damages (GCC Clause 17)

If the Supplier fails to deliver the goods or perform the services within the time period(s) specified in the contract, the Purchaser shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.1 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract.

8. Resolution of Disputes (GCC Clause 22)

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the (SPPR 2010) Amended 2019

9. Applicable Law (GCC Clause 24)

GCC 24 Contract shall be interpreted in accordance with the Sindh Public Procurement law of Sindh.

Part-VI SCHEDULE OF REQUIREMENTS

The delivery schedule hereafter expressed the date of delivery required.

S.	Items/Quantity	Time of Delivery	Location of
No		from date of Award	Supply
1.	[As specified in Part – VIII of this bidding documents at from P-32 to 35].	Preferably within 20 Days	for Thar Institute of Engineering Sciences & Technology, Tharparkar NEDUET

Note: <u>specifications of above items are attached</u>

PART-VII SAMPLE FORMS

Form-I
Letter of Acceptance
Date:
To:
NED University of Engineering & Technology, Karachi,
Dear Sir:
Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the required item in conformity with the said bidding documents for the sum of [total bid amount in words and figures] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.
We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.
If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to Five (5) percent of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.
We agree to abide by this Bid for a period of 90 days from the date fixed for Bid opening under Clause 10 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
We understand that you are not bound to accept the lowest or any bid you may receive.
Dated this day of 2021
[signature] [in the capacity of]
Duly authorized to sign Bid for and on behalf of

Form-II

Price Schedule in Pak. Rupees

Name of Bidder	IFB Numbe	er Page_of
----------------	-----------	------------

1	2	3	4	5	6	7
Item	Description	Country of origin	Quantity	Unit price	Total	Remarks (if any)
				Words Figure		

otal Bid amount in words:
otal Bid amount in figure:
C
ignature of Bidder

Note:

- (i) In case of discrepancy between unit price and total, the unit price shall prevail.
- (ii) The unit and total prices Delivered at Technical Training Centre, Mithi Phase-I Thar Institute of Engineering, Sciences and Technology (TIEST) a NED University Constituent College should include the price of incidental services. No separate payment shall be made for the incidental services.

Form-III

Experience of Similar Supply and Installation

S. No	Assignment Description	Name /Contact Details of Client	Cost	Start Date	End Date	Remarks

Form-IV

Contract Form

THIS AGREEMENT made the day of 2021	"the Procuring
WHEREAS the Procuring agency invited bids for certain goods and ancillar Procurement of, NEDUET, Karachi. Has accepted a bid by the Supplier for	for
those goods and services in the sum of [contract price in words and figures] (hereing Contract Price").	
NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:	
4. In this Agreement words and expressions shall have the same respectively assigned to them in the Conditions of Control	•
 The following documents shall be deemed to form and be read and confider of this Agreement, viz.: (a) the Bid Form and the Price Schedule submitted by the Bidder; (b) the Schedule of Requirements; I the Technical Specifications. (d) the General Conditions of Contract; I the Special Conditions of Contract; and (f) the Procuring agency's Notification of Award. 3. In consideration of the payments to be made by the Procuring agency as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency the goods and services and to remedy defects therein in conformity in all reprovisions of the Contract 5. The Procuring agency hereby covenants to pay the Supplier in of the provision of the goods and services and the remedy therein, the Contract Price or such other sum as may become 	to the Supplier gency to provide espects with the in consideration ying of defects
the provisions of the contract at the times and in the manner process.	
IN WITNESS whereof the parties hereto have caused this Agreement to accordance with their respective laws the day and year first above written	be executed in
Signed, sealed, delivered by the (for agency)	the Procuring
Signed, sealed, delivered by the (for the	the Supplier)

Form-V

Performance Security Form

To:
NED University of Engineering & Technology, Karachi.
WHEREAS [name of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. [reference number of the contract] dated 2021 to supply [description of goods and services] (hereinafter called "the Contract").
AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.
AND WHEREAS we have agreed to give the Supplier a guarantee:
THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [amount of the guarantee in words and figures], and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [amount of guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.
This guarantee is valid until the day of2021
Signature and seal of the Guarantors
[name of bank or financial institution]
[address]
[date]

Procurement Cell

Form-VI

Manufacturer's Authorization Form

To:

NED University of Engineering & Technology,

WHEREAS [name of the Manufacturer] who are established and reputable manufacturers of [name and/or description of the goods] having factories at [address of factory]

do hereby authorize [name and address of Agent] to submit a bid, and subsequently sign the Contract with you against NIT No. [reference of the Invitation to Bid] for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 12 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

PART-VIII NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY REGISTRAR OFFICE (TIEST) SPECIFICATIONS AND QUANTITIES

Tender No. PC/NED/RGT/Lab Equipment/7052/2021

	Tender (V. Tender) (Ver 2021		Total	Price in Pak. Rupees	
Item Code No.	Description of items/specifications	Unit	Quantity Required	Unit Price	Total Amount
01.	Combined shear force & bending Moment Apparatus -Bench mounted unit comprising rigid beam unit with accurately set spring balance - 10 x 0.05kg, Set of three adjustable load hangers and stirrups, stand with screw feet and adjustable support point. Bending moment is measured when the moment compensation spring is replaced by a spring balance. Supplied with an instruction manual	Set.	03.		
02.	Reactions of Beam Apparatus -Bench mounted unit to investigate beam support reactions. Rigid gantry frame, scales, graduated test beam, three load hangers and 10 x 0.1kg spring balances. Supplied with an instruction manual.		03.		
03.	Forces on a Beam Apparatus The Beam Deflection Apparatus designed to enable students to carry out experiments on simply supported and cantilever beams in order to investigate the relationship between the deflections and the applied loads and the effect of variations in length and cross sectional dimensions on the beam deflection. The standard equipment includes three test beams of the same material having uitable cross sectional dimensions: 25mm x 3mm x 1.04m long mild steel 25mm x 6mm x 1.04m long mild steel	Set.	03.		
	13mm x 6mm x 1.04m long mild steel-Sanderson Cast Iron Slotted Masses, Set 'C' Comprising:- 1 x 500g Hanger, 6 x 1000g, 2 x 500g, 2 x 200g & 1 x 100g Slotted Masses.				
04.	Forces in a Truss Apparatus -Bench mounted unit to investigate force distribution within a truss. Pin jointed frame with leaf spring balances. Adjustable tie and right-hand end support. Supplied with a digital dial gauges and an instruction manual.	Set.	03.		
05.	Unsymmetrical Bending & Shear Apparatus -Bench mounted unit for cantilever and shear centre experiments. With three test specimens, shear centre loading plate, loading disc, load hanger, two dial gauges with adjustable supports. Supplied with an instruction manual.	Set.	03.		
06.	Buckling of Struts Apparatus -Strut Testing Apparatus, 1kN x 1N loading system, hand operated with digital readout. Bench mounted unit to verify Euler equation. Set of struts upto 1m long with different slenderness ratios, eccentric loading strut, set of end adaptors to give fixed or free ends, lateral loading in any position, lateral deflection measurement by digital calipers to 0,01mm with electrical contact system to ensure repeatable results. Supplied with an instruction manual.	Set.	03.		
07.	Friction on the Inclined plane Apparatus Friction on a Horizontal and Inclined Plane. Bench mounted unit to investigate coefficient of friction. Aluminium frame with inclineable top 45-0-450 with double sided ground steel gaugeplate facing. Plane angle indicated by scale and pointer.	Set.	03.		

cord, load hanger and ball bearing pulley. Supplied with an instruction manual. 8. Equilibrium Apparatus For Board: 900(1), 3 750(H) mm, Graduated scales: 50mm intervals, 6 x Load hanger, 2 x Double Pulley assembly, 5 x Single pulley assembly. 9. Projectile Motion Apparatus Ranges 12, 3, 5 m Launchar Length 21 cm 10. ADV Current meeting of the third of the second with 1,5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The tient completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range 41001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/-0.1% of TS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salmity, and altitude. Temperature Sensor Resolution: 0.01° x, Accuracy: 0.1° C Till Sensor Resolution: 0.001° x, Accuracy: 0.1° C Till Sensor Resolution: 0.001° x, Accuracy: 0.1° C Till Sensor Resolution: 0.001° x, accuracy: 1.0° work of the sensor A			l I		
Instruction manual.		Nylon, brass, aluminium, brake lining sliders, ball bearing trolley,			
Equilibrium Apparatus Set O3.		cord, load hanger and ball bearing pulley. Supplied with an			
Force Board: 900(L) x 750(H) mm, Graduated scales: 50mm intervals, 6 x Load hanger, 2 x Double Pulley assembly, 5 x Single pulley assembly. S x Ranges 1.2, 3, 5 m Launch Angles (0 to 190° Launch Angles (0 to 19		instruction manual.			
Force Board: 900(L) x 750(H) mm, Graduated scales: 50mm intervals, 6 x Load hanger, 2 x Double Pulley assembly, 5 x Single pulley assembly. S x Ranges 1.2, 3, 5 m Launch Angles (0 to 190° Launch Angles (0 to 19	08	Equilibrium Apparatus	Set	03	
intervals, 6 x Load hanger, 2 x Double Pulley assembly,5 x Single pulley assembly. 9. Projectile Motion Apparatus Ranges 1.2, 3, 5 m Launcha Angles 0 to +90° Launchar Length 2 lcm 10. ADV Current meter Handheld ADV Flow Tracker - II With following Specifications with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 to 13 ft/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range to 10m (0 to 32.81ft) Depth Measurement Range to 10m (0 to 32.81ft) Depth Measurement Range to 10m (0 to 32.81ft) Depth Measurement Range to 10m (0 to 75 c) Compensated over full operating mange) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01°C, Accuracy: 0.1°C Till Sensor Resolutio	00.		301.	00.	
Single pulley assembly. Ranges 1.2, 3.5 m Launch Angles 0 to +90°					
Os. Projectile Motion Apparatus Set. Os.					
Ranges 1.2, 3.5 m Launch Angles 0 to +90° Launcher Length 21 cm 10. ADV Current meter Handheld ADV Flow Tracker - II With following Specifications with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pe software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 l/s) Velocity Resolution 0.0001 m/s (0.0003 t/s) Velocity Resolution 0.0001 m/s (0.0003 t/s) Velocity Accuracy +10% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static festady-state at 25°C; Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Till Sensor Resolution: 0.001° C, Becuracy: 0.1° C Till Sensor Resolution: 0.001° C, Becuracy: 0.1° C Till Sensor Resolution: 0.001° C, Accuracy:					
Launch Angles 0 to +90° Launcher Length 21 cm 10. ADV Current meter Handheld ADV Flow Tracker - II With following Specifications with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pe software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.003 ft/s) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution (0.001 m/s) Depth Measurement Resolution (0.0003 ft) Depth Measurement Resolution (0.0003 ft/s) Depth Measurement Resolution (0.0003 ft/s) Depth Measurement Resolution (0.0001 m/s) D	09.		Set.	03.	
Launcher Length 21 cm 10. ADV Current meter Handheld ADV Flow Tracker - II With following Specifications with 1.5 m + watding rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +1/% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0.003ft) Depth Sensor Accuracy +/- 0.19 of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy 1.0° C Tilt Sensor Resolution: 0.01° Accuracy 1.0° C Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Mater 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V, 60Hz, 16 Light 10 and 10 certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works.		Ranges 1.2, 3, 5 m			
Launcher Length 21 cm 10. ADV Current meter Handhold ADV Flow Tracker - II With following Specifications with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution 0.01° C, Accuracy 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy 1.0° Communication Protocol Rs-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (M) 6.1 cm (2.3) in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Mater 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25. Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V, 60Hz, 16 and 20 mm dia. 12. Complete installation in lab. including mechanical, electrical and civil works.		Launch Angles 0 to +90°			
10. ADV Current meter Handheld ADV Flow Tracker - II With following Specifications with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pe software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy ±7/19 of measured velocity, ±7-0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Rasolution 0.001 m (0.035t) Depth Measurement Resolution 0.001 m (0.035t) Depth Measurement Resolution 0.001 m (0.005t) Depth Measurement Resolution 0.001 m (0.005t) Depth Measurement Resolution 1.001 ft (1.0000) Depth Measurement Resolution 1.0000 ft (1.0000) Depth Measureme					
Handheld ADV Flow Tracker - II With following Specifications with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pe software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +1/9s of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 10 to 10m (0 to 33.81ft) Depth Measurement Range 10 to 10m (0.003ft) Depth Sensor Accuracy +/- 0.19 of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.01° Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 35 Power supply 3phs, 380V, 50Hz or 1phs, 220V,00Hz, Including Supply of hydraulic oil, related tools kit, inspection ecrtificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works.	10		Sot	01	
with 1.5 m + wading rod and its assemblies complete in all respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.0003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 to 13 ft/s) Velocity Accuracy +1.7% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.01°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine, Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5, 25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x	10.		361.	01.	
respect to function with the ADV probe with purpose built rugged carry case. The item completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Recourcy +1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.00°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs) 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
rugged carry case. The item completes with probe, its handheld computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.0003 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Measurement Resolution 0.001m (0.001m) Water Olim Measurement (0.001m) Water Nessor Resolution 0.001m (0.003ft) Depth Measurement Resolution 0.001m (0.003ft) Depth M					
computer controlled and pc software along with accessories. Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 f/s) Velocity Range ±0.001 to 4.0 m/s (0.003 f/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01°, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (1.)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Velocity Range ±0.001 to 4.0 m/s (0.003 to 13 ft/s) Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy ±1/8 of measured velocity, ±0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy ±0.1% of FS (temperature compensated over full operating range) ±0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (1.13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V, 60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (1.113.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus Vicat Apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		computer controlled and pc software along with accessories.			
Velocity Resolution 0.0001 m/s (0.0003 ft/s) Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (1.113.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus Vicat Apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		Valanita Barrar +0.001 to 4.0 m/s (0.002 to 12 ft/s)			
Velocity Accuracy +/1% of measured velocity, +/- 0.25cm/s Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.01°, Accuracy: 0.1° C Tilt Sensor Resolution: 0.01° C Tilt Sensor Resolution: 0.01° C Tilt Sensor Resolution: 0.01° C T					
Acoustic Frequency 10.0 MHz Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Till Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Mater 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380 v, 50Hz or 1phs, 220 v,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		· · · · · · · · · · · · · · · · · · ·			
Sampling Volume Location 10 cm (3.93 in) from the center transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Air 0.90 kg (1.98 lbs) Weight in Air 0.90 kg (1.98 lbs) Weight in Mater 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs) 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V, 60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
transducer Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs) 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V, 60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		Sampling Volume Location 10 cm (3.93 in) from the center			
Minimum Depth 0.02 m (0.79 in) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380%, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Depth Measurement Range 0 to 10m (0 to 32.81ft) Depth Measurement Resolution 0.001m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.01° C, Accuracy: 1.0° C Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Depth Measurement Resolution 0.001 m (0.003ft) Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01°C, Accuracy: 0.1°C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20°C to 50°C (-4°F to 122°F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Water 0.30 kg (0.66 lbs) 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Depth Sensor Accuracy +/- 0.1% of FS (temperature compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01°C, Accuracy: 0.1°C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20°C to 50°C (-4°F to 122°F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
compensated over full operating range) +/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01°C, Accuracy: 0.1°C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20°C to 50°C (-4°F to 122°F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs) 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5, 25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
+/- 0.05% Static (steady-state at 25°C) Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs) 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Additionally compensated for real-time water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		compensated over full operating range)			
water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		+/- 0.05% Static (steady-state at 25°C)			
water velocity, temperature, salinity, and altitude. Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		Additionally compensated for real-time			
Temperature Sensor Resolution: 0.01° C, Accuracy: 0.1° C Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Tilt Sensor Resolution: 0.001°, Accuracy: 1.0° Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Communication Protocol RS-232 Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Operating/Storage Temperature -20° C to 50° C (-4° F to 122° F) Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5.25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Probe Head Dimensions (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
(W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
(H) 2.3 cm (0.90 in) Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		(W) 6.1 cm (2.39 in)			
Standard Cable Length 1.5 m (4.92 ft) Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x		(H) 2.3 cm (0.90 in)			
Weight in Air 0.90 kg (1.98 lbs) Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. Nos. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Weight in Water 0.30 kg (0.66 lbs 11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. Nos. 04. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
11. Shear Test Tool for Steel Reinforcement Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Used as attachment in compression testing machine. Small double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat Apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x	11		NI -	04	
double shear test with 5 sets of bushes for shear test of 5, 8, 12, 16 and 20 mm dia. 12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x	11.		INO.	01.	
12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
12. Digital Impact Tester (for Metals) Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Max. Absorbed Impact Energy (J) 150, Raised Angle upto 150°, Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x	12.	Digital Impact Tester (for Metals)	No.	01.	
Max. Impact Speed (m/s) 5,25, Size of specimen (mm) 10 x 10 x 55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
55 Power supply 3phs, 380V, 50Hz or 1phs, 220V,60Hz, Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. Nos. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Including Supply of hydraulic oil, related tools kit, inspection certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
certificate, software, hard and soft copies of user and service manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
manual. Complete installation in lab. including mechanical, electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
electrical and civil works. 13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
13. Vicat Apparatus Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x					
Vicat apparatus used to determine the setting time and consistency of cement by Vicat method. Dimensions 140 x 190 x	13.	Vicat Apparatus	Nos.	04.	
consistency of cement by Vicat method. Dimensions 140 x 190 x					
1 290 mm Made of Cast Aluminum/steel Rody Consist of	,	290 mm Made of Cast Aluminum/steel Body Consist of			
Standard conical Bakelite mould, standard initial set needle and					
final set needle, standard plunger and base plate, Conforming to					
ASTM C 187 & C 191 Standard	İ	ASTM C 187 & C 191 Standard			

14.	Compacting Factor Apparatus Standard equipment consists of two conical hoppers having a hinged trap door attached to the lower end of each hopper. Allowing the concrete sample to flow freely into the cylindrical mould. The hoppers and the mould are mounted onto a rigid steel frame and are easily removable for cleaning. The complete apparatus is protected against corrosion.Conforming to BS	No.	01.	
	1881:103			
15.	Slump Flow Test Complete Set Complete Set, Standard Slump Cone made of Galvanized Steel, Base Plate made of galvanized Steel, Pouring Funnel made of Galvanized Steel, Tamping Rod 5/8 (16 mm) x 24 (600 mm) made of Galvanized Steel. Conforming to ASTM C 143 Standard	Nos.	04.	
16.	Sieve Shaker for 300 mm Sieves Motorized Sieve Shaker,-Suitable for 12" (300mm) Diameter Sieves, -220V - 50HZ - 1PH, Diameter Sieves SUITABLE FOR 12" DIA SEIVEs s-220V - 50HZ - 1PH 220V - 50HZ - 1PH	Nos.	02.	
17.	Sieve Shaker for 200 mm Sieves Motorized Sieve Shaker MOTORIZED SEIVE SHAKER, - Suitable for 8" (200mm)	Nos.	02.	
18.	Drum Type Concrete Mixer Capacity 0.25 cubic meter. Specially designed for preparing concrete specimens in laboratory. Complete mixer with wheels, draw control, interchangeable mixing paddles, particularly suitable for low slump concreteMechanical Transmission of Gear Box,-Heavy Structural Steel base with wheels and safety guard Power: 220V, 50 Hz, Single Phase	Nos.	02.	
19.	Lab Oven Nominal capacity 400-600 Liters. Max. temperature 200°C. Min 3 Number of grid shelves	Nos.	02.	
20.	Electronic Balance Laboratory Digital Balance made of Stainless steel case with adjustable eye level bubble. Capacity: 10 kg, Resolution: 0.1 g, Both battery and Electric power supported. Approx. Pan Size: 300 x 300mm, Overload warning display, Overload warning display and Low Battery indication.	Nos.	02.	
21.	Electronic Balance Laboratory Digital Balance made of Stainless steel case with adjustable eye level bubble. Capacity: 30 kg, Resolution: 1 g, Both battery and Electric power supported. Approx. Pan Size: 300 x 300mm. Overload warning display, Overload warning display and Low Battery indication.	Nos.	02.	
22.	Cube Mould Concrete Cubical Moulds made of 6 mm thick MS material with clamps and base plate. Size:150 mm	Nos.	24.	
23.	Cube Mould Concrete Cubical Moulds made of 10 mm thick MS material with clamps and base plate. Size:50 mm	Nos.	06.	
24.	Briquette Moulds For casting of cement briquettes for tensile strength tests. Two part split mould made of gun metal. Two thumb screws facilitate easy and quick assembling and dismantling of the mould. The minimum cross section of the briquettes cast is 25.4 mm x 25.4 mm. Supplied complete with a steel base plate.	Nos.	06.	
25.	Cylinder Mould Concrete Cylindrical Moulds made of Min. 6 mm thick MS material with clamps and base plate. Size: Diameter 150 mm, Height 300 mm	Nos.	24	

26.	Cylinder Mould Concrete Cylindrical Moulds made of Min. 6 mm thick MS material with clamps and base plate. Size: Diameter 100 mm, Height 200 mm	Nos.	12.		
27.	Beam Mould Concrete Beam Moulds made of Min. 6 mm thick MS material with clamps/nut bolts and base plate. Size: 4 X 8 X 96 inches	Nos.	04.		
28.	Lab Poker Vibrator Concrete Poker vibrator for internal compaction of concrete specimens. Power: Electric driven 220V, 50 Hz -Shaft Diameter: 25mm Shaft Length: 1000-2000 mm Frequency: 12000 vibrations/minute	Nos.	03.		
29.	Set of 8Sieves for Fine Aggregates Set of 08 following testing Sieves for Fine Aggregates including Pan and Cover of 200 mm diameter (8 inches) 9.5 mm (3/8 inch) No.4,8,16,30,50,100 and No.200 Made of good quality Galvanized steel material The sieve mesh and standard sieve frames shall conform to the requirements of ASTM Specification E 11	Nos.	02.		
30.	Set of 6 Sieves for Coarse Aggregates Set of 06 following testing Sieves for Coarse Aggregates including Pan and Cover of 300 mm diameter (12 inches) made of good quality Galvanized steel material. 9.5 mm (3/8 inch) 12.5 mm (1/2 inch) 19.0 mm (3/4 inch) 25.0 mm (1 inch) 37.5 mm (1 1/2 inch) 50 mm(2 inch) The sieve mesh and standard sieve frames shall conform to the requirements of ASTM Specification E 11.	Nos.	02.		
31.	4 wheel Platform Trolley Heavy Duty Platform Trolley manufactured with tubular MS frame with loop handle support which provides comfortable usage. Capacity 1000 kg Durable and smooth functioning, -4 wheel support made of PVC or other material. Approx. Size (L X W) 900 X 600 mm,	Nos.	02.		
32.	Concrete Mixing Tray Concrete Mixing Try made of Seamless, heavy-gauge galvanized steel (1.5mm) min thickness-Finish Plated for rust and corrosion resistanceDimensions L x W x H (mm) 900 x 900 x 50	Nos.	06.		
33.	Concrete Mixing Tray Concrete Mixing Try made of Seamless, heavy-gauge galvanized steel (1.5mm) min thickness. Finish Plated for rust and corrosion resistance Dimensions L x W x H (mm) 1200 x 1200 x 507	Nos.	06.		
	TOTAL				
	ADD: GST/SRB (Whichever is applicable)				
	Total Bid Amount including all taxes & duties etc.				
		ı		1	

Signatur	ra dr	Stamp	of T	enderer
Signatu:	re α	Stamp	01 I	enderer

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number:	Dated:
Contract Value:	
Contract Title:	
the procurement of any contract, right, i	hereby declares that it has not obtained or induced nterest, privilege or other obligation or benefit from inistrative subdivision or agency thereof or any other rough any corrupt business practice.
represents and warrants that it has fully of payable to anyone and not given or againyone within or outside Pakistan either person, including its affiliate, agent, shareholder, sponsor or subsidiary, any kickback, whether described as consultating the procurement of a contract, rin whatsoever form, from Procuring A declared pursuant hereto.	erality of the foregoing, Name of Supplier/Contractor/Consultant] declared the brokerage, commission, fees etc. paid or reed to give and shall not give or agree to give to directly or indirectly through any natural or juridical associate, broker, consultant, director, promoter, y commission, gratification, bribe, finder's fee or tion fee or otherwise, with the object of obtaining or ight, interest, privilege or other obligation or benefit, gency (PA), except that which has been expressly
disclosure of all agreements and arrange transaction with PA and has not taken an above declaration, representation or warr	
making any false declaration, not making action likely to defeat the purpose of thi that any contract, right, interest, privileg	accepts full responsibility and strict liability for g full disclosure, misrepresenting facts or taking any as declaration, representation and warranty. It agrees to or other obligation or benefit obtained or procured any other right and remedies available to PA under voidable at the option of PA.
[Name of Supplier/Contractor/Consultant] agrees to incaccount of its corrupt business practices equivalent to ten time the sum of any kickback given by [Name of Supplier/Contractor/Contra	nts and remedies exercised by PA in this regard, demnify PA for any loss or damage incurred by it on and further pay compensation to PA in an amount y commission, gratification, bribe, finder's fee or consultant as aforesaid for the purpose of obtaining or act, right, interest, privilege or other obligation or
Procuring Agency	[Supplier /Contractor/Consultant]



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

DP/ NED/143951/7052/3959





NOTIFICATION

With reference to this University Office Order No. DR(Estab)/(1193)Vol-II/6331 dated: 16.06.2016, the Procurement Committee under Rule 7 of the Sindh Public Procurement Rules (as amended) comprising of the following Members has been constituted for Procurement of Remaining Laboratory Equipment for Establishment of Civil Engg. Program at TIEST (vide Case File No. PC/NED/RGT/Lab. Equipment/7052/2021), as follows:

 Syed Ghazanfar Hussain Ag. Registrar NEDUET, Karachi Convener

 Mr. Muhammad Mabroor Khan Administrative Officer Center for Excellence in Marine Biology University of Karachi Member

 Mr. Fawad Ul Hasan Kamran Assistant Director Procurement-II NEDUET, Karachi Member/Secretary

The TOR / functions / responsibilities of the aforesaid Procurement Committee will be in accordance with Rule-8 of SPP Rules. The tender will be opened on 24-06-2021 at 10:30 AM in the office of Assistant Director Procurement-II.

Email:

i. registrar@neduet.edu.pk

ii. <u>mabroork@hotmail.com</u>

iii. adfp2@neduet.edu.pk

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

No. DR (Estab)/(1003)/5730

Dated: 27/05 / 2016

OFFICE ORDER

In supersession of this office order No. DR (Estab)/(1003)/11418 dated 02-11-2015, the University Administration has constituted the Complaint Redressal Standing Committee comprising of the following officers to address complaints regarding all procurement issues in the University in pursuance of Clause 31(1) of the SPPRA rules:

1. Prof. Dr. Saad Ahmed Qazi
Dean (ECE)

Convener

2. Independent Professional from the relevant field Member

3. Nominee of Accountant General Sindh Member

Ag-REGISTRAR U

To:

The Convener & all members

Copy for information to:

1 Dean (ECE)

2 Director Planning & Projects

3 Director Finance

4 Director, Procurement Cell

5 Ag. Resident Auditor



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY PROCUREMENT CELL

Tele # 99261261- 2291, (Ext. 2471) Fax # 99261255,

E-mail: dp@neduet.edu.pk

Director Procurement

"Say NO to Corruption"

No. DP/NED/143951/7052/3938

Dated: 31-05-2021

The Director Information Advertisement

Government of Sindh,

Information Department

Directorate of Advertisement

Karachi.

SUBJECT:

PUBLICATION OF NOTICE INVITING TENDER

Enclosed kindly find herewith the Notice Inviting Tender (NIT) for publication in three newspapers for job mentioned below:

	Procurement of Remaining Laboratory Equipment for Establishment of Civil
Notice	Procurement of Remaining Laboratory 24-4
	Engineering Program at Thar Institute of Engineering Science & Technology
Inviting	(TIEST)
Tender	Tender No. PC/NED/RGT/Lab Equipment / 7052/2021

Kindly ensure the publication of the aforementioned NIT as under:

Name of Newspapers	Ordinary Page	Date of Publication
Daily "Dawn" - English Daily "Jang" - Urdu Daily "Awami Awaz" – Sindhi	Black & White	On or before 05-06-2021

The aforesaid NIT please be published on or before 05-06-2021. The bill along-with tear sheet of

newspapers may be sent to Director Finance of this University for payment.

Copy to DF



2021 3731

این ای ڈی یو نیورٹی آف انجینئر نگ اینڈ ٹیکنالوجی پروکیورمنٹ بیل



فون نمبر 99261255: 99261261-68(Ext.2471&2501). e-mail:dp@neduet.edu.pk

"Say No to Corruption"

NO.DP/RG-143951/7052/3938

نوٹس طلبی ٹینڈر

NEDUET کومندرجہ ذیال کی انجام دی کیلئے فرمزے جوائم لیکن، پیکڑنگس اور مندھد ہو نے بورڈے (جس کسی کا مجی اطاق مجتابو)روشنزیشن کی حال جول سکل انجی ایک افا فیطر میں کار پرمر بحر پیکیشیس مطاب ویں۔

مجى اطلاق در المراوي) راستريش كى حال دول منظل التي ايك الفافيطريق كار يرمر بمبر ويشكشين مطلوب إلى -تمينڈرشیڈول۔تاریخ اوروفت نبيثه بالنبير كمولنا W/30 ا حمرالتي ٺيوٺ آف الحياؤتك سأتنس اينذ (TIESTI) 1000/-24-6-21 24-6-21 23-6-21 07-6-21 ير مول اليمني عك £ 10:30 ₹ 10:00 LOULOUNG باقى باعموليهارتري الجويمنث كاحصول به dillo PC/NED/RGT/ Lab Equipment/ 7052/2021

اهلیت کا معیاد: (i) الطنش دینده از ماحقانه هیدش کم از کم 03 سال کا تجربه دکتا بور دند کردن کمی دهرش میرود سرک در روست کاشیار در

(ii) کم از کم گزشته تمن برسول کے قران اوور کی تصیادے (آخمول رو پال کی میرست میں) پر که زشته تمن برسول کا اوسا قران اوور 69 ملین روپ سالاندے کم شاہو۔

(FBR/SRB(iii) جم کی کاملی اطلاق بوتا ہو) کے پاس رجسٹریشن۔ غیشر فیس اور بذر سکورٹی جشرت بذلاکت کی 45 بھل ہے آرڈر بھی ڈائز یکٹر قائن، بذرنگ وشاہ بر ات مندرجہ بالا

شیزه ل کے مطابق حاصل کی جاسکتی ہیں اور دفتر ADP-II جس تھے کرادی جا تھیں۔ پیچنٹش دیندگان سے انتماس ہے کہ وہ اپنی کیٹر کی اور تھی قیت و کیں چونکہ'' کسی گفت وشنیز'' کی اجازت تھیں ہے۔ مفصل شرائط وضوابط پر مشتمل بڈنگ دشاویزات و یب سائنس : www.poms.pprassindh.gov.pk اور www.noduct.edu.pk پر دستیاب ہیں۔

...ونخل...

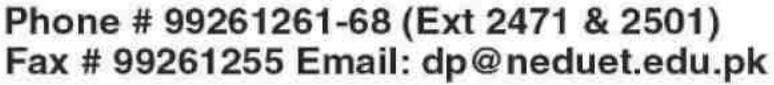
(INF/KRY-2157/21)

© Jang Newspaper (03 Ju



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

PROCUREMENT CELL





DATED: 31 May, 2021

NO: DP/RG-143951/7052/3938

NOTICE INVITING TENDER

NEDUET invites sealed bids on single-stage - one-envelope procedure from the firms having registration with Income Tax, Sales Tax and Sindh Revenue Board (whichever is applicable) to carry out the following:

	Tender Number	Tend	der Schedule	chedule — Date and Time			
S. No		Issue	/ Sale	Cubmission	Opening	Tender Fee	
		From	То	Submission			
1.	Procurement of Remaining Laboratory Equipment for Establishment of Civil Engineering Program at That Institute of Engineering Science & Technology (TIEST). Tender # PC/NED/RGT/Lab Equipment/7052/2021	07.06.2021	23.06.2021	24.06.2021 10:00 A.M.	24.06.2021 10:30 A.M.	Rs. 1000/-	

Eligibility Criteria:

- The bidder must have at least 3 years of experience in the relevant field.
- ii. Details of turnover (including in terms of rupees) of at least last three years that average turnover of last three years should not be less than Rs. 9 million per year.
- iii. Registration with FBR / SRB (whichever is applicable).

Tender fee and bid security @5% of bid cost in shape of pay order should be in favour of Director Finance. The bidding documents can be obtained and submitted in the office of ADP-II as per above schedule. The bidders are requested to give their best and final price as "No Negotiation" is permitted. Bidding documents containing detailed terms and conditions are available at website www.neduet.edu.pk and www.ppms.pprasindh.gov.pk.

INF-KRY No. 2157/2021

Say No to Corruption

بهم دمشتكر وى كے خلاف متحد ييل

Director Procurement