



**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
PROCUREMENT CELL**

Tele # 99261261- 68, Fax # 99261255, E-mail: adfp@neduet.edu.pk

"Say NO to Corruption"

No. PC/M-III/2016/01/2367

Dated: 19-04-2016.

**M/s. Sindh Public Procurement Regulatory Authority
Barrack 8 Secretariat 4A
Court Road
Karachi
Tel: 92-21-99205369
Fax: 92-21-99206291**

SUBJECT: NOTICE FOR INVITATION TENDER.

Enclosed please find herewith the Tender Notice with the following documents for uploading on the SPPRA web site as per policy of Government of Sindh.

- Bidding Documents along with Soft copy
- Specimen of Letter of Intent
- Procurement Plan
- Notification of Purchase Committee
- Notification of Compliant Redressal Committee

**Assistant Director Procurement - I
NED UNIVERSITY OF ENGG. & TECH.**

Copy to:

1. Deputy Director Finance (A).
2. Director IT.



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
UNIVERSITY ROAD, KARACHI – 75270, PAKISTAN

Tel: (021) 99261261-68 Ext 2220, 2471 Fax: (021) 99261255
Email: adfp@neduet.edu.pk Website: <http://www.neduet.edu.pk>

TENDER NOTICE

NED University of Engineering & Technology, invites **Sealed Tenders** from the Manufacturers / Authorized Dealers / Distributors / Suppliers registered with Income Tax and GST Department for the Import of Laboratory Equipment. The Tender Document is based on **Single Stage One Envelope** procedure. Each bid shall comprise One Single Envelope containing both Technical and Financial Proposal and proof of required information i.e. Relevant Experience, Turn-over of last Three (03) Years and Registration with Income Tax and Sales Tax Department. The details of works are as under:

Name of Work:				
Import of Laboratory Equipment for Department of Petroleum Engineering.				
Tender No. PD(M-III)/NED/Norwegian/Equip/205/16				
Start Date of Sale	Last Date of Sale	Last date of submission Date/Time	Opening Date/Time	Tender Fee
19-04-2016	06-05-2016	09-05-2016/10:00 a.m	09-05-2016/11:00 a.m	Rs. 1,000/-

The **Tender Documents** can be obtained from the Office of **Assistant Director (Procurement-II)**, **NED University of Engineering & Technology**, against the written request and Proof of Registration with GST and Income Tax Departments with a Pay Order / Demand Draft of the Tender Fee in favour of **Director Finance, NED University of Engineering & Technology**, on any working day during Office Hours. Tender Documents can also be obtained by **Post** against Pay Order of **Rs. 500/- (Rupees Five Hundred Only)** as Courier Charges in addition Tender Fee.

The Tenders duly completed and addressed to the **Assistant Director (Procurement-I)** along with a Pay Order amounting to **2.0%** in favour of **Director Finance, NED University of Engineering & Technology** in the amount of the **Bid Cost as Earnest Money** may be dropped in the Tender Box placed in the Office of **Assistant Director (Procurement-II)**, **NED University of Engineering & Technology**, which shall be opened on the same day at the second floor of Administration Building of the University according to the above schedule in presence of Bidders or their representatives who may wish to be present. In case of any holiday or disturbance, the Tenders will be opened on the next working day as per schedule.

Bidders are requested to give their best and final prices as no negotiations are expected.

This Tender Notice and the Tender Document can be seen on University Website www.neduet.edu.pk and SPPRA Website www.pprasindh.gov.pk.

Assistant Director (Procurement-I)



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
UNIVERSITY ROAD, KARACHI - 75270, PAKISTAN

Tel: (021) 99261261-68 Ext 2220 Fax: (021) 99261255
Email: adfp@neduet.edu.pk Website: <http://www.neduet.edu.pk>

Muhammad Laique
Assistant Director Procurement (I)
Procurement Cell

Ref No: _____
Dated: _____

LETTER OF INTENT

To,

Subject: Letter of Intent / Import of Laboratory Equipment for

Reference: Our Tender No. _____

Dear Sir,

This refers to the Tender for import of Laboratory Equipment for Department of _____, NED University submitted by you vide Letter No. _____ dated _____. We are pleased to inform you that the following items have been selected for purchase under the contract:

B.O.Q item #	Description of items	Qty	Unit price (C&F)	Total price (C&F)
			Creating Charge =	
			Freight Charge =	
			Total C&F Value=	

P.T.O.

It is requested to submit the Proforma Invoice of your Principal, _____ for total C&F value by Air/Sea Karachi valid for 90 days of the equipment selected within 10 days after issuance of this letter.

It is further requested to submit 10% unconditional bank guarantee or demand draft of the total contract value and sign the contract agreement within 14 days of receipt of the letter of intent.

With regards,

Assistant Director (Procurement I)

Copy to:

• _____

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY KARACHI

ANNUAL PROCUREMENT PLAN

(WORKS, GOODS AND SERVICES)

FINANCIAL YEAR: 2015-16

PROJECT: STRENGTHENING OF NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, (M-III).

Sr. No.	Description of Procurement	Quantity (where applicable)	Estimated Unit cost (where applicable)	Estimated total cost	Funds allocated	Sources of funds (ADP/Non ADP)	Proposed Procurement method	Timing of Procurement				Remarks
								1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
1	Extension of Network Operation Centre (Data Centre) of Internet Centre / Backup / Replacement of Switches for Connection to various Departments to Central NOC.	Various	---	6.248	6.248	PSDP-HEC	Press Tender / National Competitive Bidding	✓	---	---	---	Tender Floated
2	Procurement of various Devices for ISP / Portal Facilities for IT Department	Various	---	3.701	3.701	PSDP-HEC	Press Tender / National Competitive Bidding	✓	---	---	---	Tender Floated
3	Procurement of Furniture items for Department of Information Technology.	41	---	0.616	0.616	PSDP-HEC	Press Tender / National Competitive Bidding	✓	---	---	---	Tender Floated
4	Procurement of Laboratory Equipment for Deptt. of Metallurgical Engg.	04	---	13.000	14.144	PSDP-HEC	Press Tender / National Competitive Bidding	---	✓	---	---	Tender Floated

Project Director (M-III)

Director Finance

Continued

Sr. No.	Description of Procurement	Quantity (where applicable)	Estimated Unit cost (where applicable)	Estimated total cost	Funds allocated	Sources of funds (ADP/Non ADP)	Proposed procurement method	Timing of Procurement				Remarks
								1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
5	Procurement of Furniture items for Department of Metallurgical Engineering	140	2,500/-	0.350	0.350	PSDP-HEC	Local Tender	✓	---	---	---	Tender Floated
6	Procurement of Furniture items for Bio Engg, Industrial & Manufacturing and Mechanical Engg.	378	2,500/-	0.950	0.950	PSDP-HEC	Local Tender	✓	---	---	---	Tender Floated
7	Procurement of Furniture items for Deptt. of Mechanical Engg.	106	---	0.515	0.515	PSDP-HEC	Local Tender	---	✓	---	---	Tender Floated
8	Procurement of Laboratory Equipment for Deptt. of Polymer & Petrochemical Engg.	16	---	16.905	19.671	PSDP-HEC	Press Tender / National Competitive Bidding	---	✓	---	---	Tender To be Floated
9	Fibre Optic Connectivity between IT Department to various Departments.	01	---	4.587	4.600	PSDP-HEC	Press Tender / National Competitive Bidding	---	✓	---	---	Tender To be Floated
10	Procurement of ARC GIS software for HPCC	01	---	---	1.800	PSDP-HEC	Proprietary item	---	✓	---	---	Specs is in process

Prepared By: Engr. Yasir Raza
Project Director (M-III)

Muhammad Sajeeuddin
Director Finance

P-12/C

OFFICE ORDER

In supersession of this office order No. DR (Estab)/(1003)/12389 dated 01-12-2015, the University Administration has constituted the Procurement Committee comprising of the following for procurement of Lab Equipment for the Department of Petroleum Engineering under Norwegian Funded Project:

- | | | |
|---------------|---|----------|
| 1. | Dr. Abdul Majeed
Assistant Professor
Dept. of Petroleum Engg. | Convener |
| 2. | Syed Adnan-ul-Haque
Lecturer
Dept. of Petroleum Engg. | Member |
| 3. | Mr. Ali Imran S.M. Bukhari
Deputy Chief Engineer (Process)
Pakistan Petroleum Engg. | Member |

M. Hussain
Ag. REGISTRAR

To:

The Convener & all members

Copy for information to:

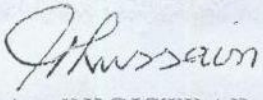
- 1 Dean (CEA)
- 2 Chairman, Dept. of Petroleum Engg.
- 3 Director Finance
- 4 Resident Auditor

1/F
8/2/16
7/4
1/07/2016 6833...
2016 08-02-16

OFFICE ORDER

In supersession of this office order No. DR (Estab)/(1003)/11229 dated 29-10-2015, 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** Convener
Dean (ECE)
2. **Mr. Naeem Akhtar Abro** Member
Assistant Director Finance (A)
Directorate of Finance
3. **Syed Muhammad Sadiq** Member
Manager
National Bank of Pakistan
SRE Majeed Branch
Karachi


Ag. REGISTRAR

To:

The Convener & all members

Copy for information to:

- 1 Dean (ECE)
- 2 Chairman, Arch. & Planning
- 3 Director Planning & Projects
- 4 Director Finance
- 5 Director, ORIC
- 6 Resident Auditor

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(i)

Tender No. PD(M-III)/NED/Norwegian/Equip/205/16

COST SUMMARY

- **TOTAL C&F COST IN FOREIGN CURRENCY:** _____

- **EXCHANGE RATES WITH DATE :** _____

- **TOTAL C&F COST IN PAK RUPEES:** _____

- **EARNEST MONEY 2% OF TOTAL C&F COST IN PAK RUPEES:** _____

NOTE: BIDDERS ARE REQUIRED TO FILL THIS SHEET COMPULSORILY.

**INSTRUCTIONS TO TENDERERS
AND
TERMS & CONDITIONS**

1. QUOTATION

Quote rates on C&F Karachi basis for the supply of items described in the attached Bill of Quantities. The following should be clearly indicated in the Quotation:

- 1.1 Firm and fixed item-wise ex-works price.
- 1.2 Firm and fixed packing, handling, forwarding, documentation charges, etc. and inland freight upto port of dispatch.
- 1.3 Estimated sea freight/airfreight upto Karachi Seaport/Airport.
- 1.4 Total C&F value Karachi Airport/Seaport.
- 1.5 Quotation must be in DUPLICATE and should remain valid for 120 days from the last date of the submission of tenders. Telephone/telex/fax/telegraphic tenders shall not be entertained.
- 1.6 The agents must enclose original Proforma Invoice/Fax copy/ Quotation from their Principals otherwise their tender will be rejected.
- 1.7 Bidders must have office and workshop facilities in Karachi failing which their offer will not be considered.
- 1.8 Bidders must have trained engineers to provide after sales service.
- 1.8.1 Comprehensive training for at least two persons at NED University.
- 1.9 The agent must submit following documents alongwith their offer:
 - 1.9.1 Manufacturers Authorization Certificate.
 - 1.9.2 List of Technical / Engineering Staff stationed in Karachi.
 - 1.9.3 List of reference installation in Pakistan for similar equipment.
 - 1.9.4 Non-Black List Certificate (confirming that bidder has never been black listed from any Government / Semi Government organization).

NOTE: QUOTATIONS ON F.O.R. BASIS WILL NOT BE ACCEPTED

2. EARNEST MONEY:

The tenderers should submit their bids alongwith a Bank Guarantee/Pay order of 2% of the Total Bid amount, valid for 120 days from the date of opening of tenders as Earnest Money in the name of Director Finance, NED University Karachi as per Annexure-“E”. Tenders without earnest money of 2.0% of the total bid cost will not be entertained. The earnest money will be returned after submission of acceptable Performance Bond of 10% of C&F cost and the execution of Contract Agreement.

3. PERFORMANCE BOND

- 3.1 Performance Bond in shape of Bank Guarantee equal to 10% of the C&F cost of the order shall be furnished within 07 days of acceptance of Proforma Invoice as per Annexure-“D” and shall remain in force for 12 months. The validity of the Bond will be extended if required.
- 3.2. Local agents of the Foreign Principals will be responsible for installation and satisfactory operation of equipment on their behalf.

4. INSURANCE

Offer should be exclusive of Insurance Charges as the same shall be arranged by the University.

5. ALTERNATIVE PROPOSALS

Suppliers are not required / permitted to submit the alternative proposals against any B.O.Q. item.

6. COUNTRY OF ORIGIN

The tenderer shall state the country of origin of stores offered in the tender.

7. VALIDITY OF PRICES

The prices quoted should be valid for a period of at least 120 days from the date fixed for opening of tenders.

8. PACKING AND MARKING

The packing of the equipment shall be usual export packing to ensure safe journey by sea, air, rail and road of the goods to destination. Each packing shall be clearly and legibly marked in English as directed by the University.

9. SIGNING OF THE AGREEMENT

With in 07 days of the acceptance of the Proforma Invoice, the successful bidder will be required to sign a Contract Agreement with the purchaser for the supply of such quantity in whole or in part of the tendered stores as will be communicated to him in the letter of intent.

10. ON-ARRIVAL INSPECTION & TAKING OVER**10.1 ON-ARRIVAL INSPECTION**

There shall be an inspection by the representative of the Purchaser on arrival of stores at consignees end in presence of representative(s) of the Contractor/Local Agent if any, and the Insurance Company. The report of inspection, which, inter-alia should indicate the conditions in which each unit of package has been received, will be signed by the above-mentioned representatives.

10.2 TAKING OVER

Upon receipt of the Equipment in the Warehouse of Purchaser and after final inspection by inspection agency (or agencies) nominated by the Purchaser, the Purchaser will issue a taking over certificate in which he shall certify the date on which the Equipment has been so accepted. The taking over of damaged equipment during the transportation shall be withheld until it has been completely repaired/replaced and checked.

11. WARRANTY

11.1 The contractor shall issue warranty to the effect that the stores shall be fit for the particular purposes and operations.

11.2 The contractor shall guarantee supply of good quality stores in accordance with the specifications and that the stores shall be brand new and absolutely free from all defects in materials quality and workmanship. In case of defect, the stores or the necessary components shall be replaced by the contractor free of cost upto the Purchaser's premises within reasonable time.

12. BREACH OF CONTRACT

In case of breach of contract, the damages suffered by the Purchaser shall be recovered to the full extent from the Contractor's Performance Bond, Local Agent's commission and any payment due without reference to him.

13. CONTRACTOR'S DEFAULT-LIABILITY

13.1 The purchaser may upon written notice of default to the Contractor terminate the contract in circumstances detailed hereunder:

13.1.1 If in the judgment of the Purchaser, the Contractor fails to make delivery of equipment within the time specified in the Contract Agreement or within the period for which the purchaser has granted extension to the Contractor.

13.1.2 If in the judgment of the Purchaser, the Contractor fails to comply with any of the other provisions of this contract.

13.2 In the event the Purchaser terminates the contract in whole or in part, the Purchaser reserves the right to purchase upon such items and in such a manner as he may deem appropriate, equipment similar to the one terminated and the Contractor will be liable to the Purchaser for liquidated damages for delay until such reasonable time as may be required for the final supply of equipment.

14. REJECTION

In the event any portion of the stores supplied by the contractor is found before the taking over to be defective in material or workmanship or otherwise not in conformity with the requirements of the contract, the Purchaser shall have the right to either reject or to request in writing rectification of the stores, then the Contractor shall with utmost diligence and at his own expense make good the defects so specified or replace the defective stores. If the Contractor fails to do so, the Purchaser either:

- (i) May at its option replace or rectify such defective stores and charge to the Contractor the excess cost occasioned to the Purchaser plus (15%) fifteen percent.
- (ii) Terminate the Contract for default. In the event the Contractor is not able to rectify or replace the rejected stores within reasonable time, the Purchaser reserves the right to acquire the said stores at a reduced price considered equitable under the circumstances. Nothing in the clause shall affect any claim by the Purchaser under any clause of the Terms & Conditions.

15. DELAY IN DELIVERY - LIQUIDATED DAMAGES

15.1 If the Contractor fails to deliver the equipment within the time laid down in the Contract Agreement or any extension thereof, there shall be deducted from the Contract Price, as Liquidated damages, a sum of 2% of FOB value per month or a part of the month of the contract price of each unit of the undelivered stores for each calendar month of delay. Total liquidated damages payable to the Purchaser shall not in any case exceed by ten percent (10%) of the Contract Price of the unit or units so delayed and such deduction shall be in full satisfaction of the Contractor's liability for the said failure. The amount will be recovered from the Local Agent's Commission/Performance Bond.

15.2 Should the progress of the contract at any time be lagging behind the programme agreed between the Purchaser and the Contractor, the Purchaser shall notify the Contractor in writing and the Contractor shall thereupon take such steps as he may deem fit to expedite the progress of the Contract.

16. PERIOD OF GUARANTEE

16.1 The term "Period of Guarantee" shall mean the period of twelve (12) months from the date on which the equipment has been put into operation. In any case, this period shall not exceed eighteen (18) months from the date of the taking over certificate:

- 16.2 During the period of guarantee, the Contractor shall remedy all defects in design, materials and workmanship that may develop under normal use of the said stores upon written notice from the Purchaser who shall indicate in what respect the Equipment is faulty.
- 16.3 The provisions of this clause include all the expenses that the Contractor may have to incur for delivery of such replacement parts, material or equipment up to Purchaser's premises.

17. ACCEPTANCE TERMS

The submission of the tender against the tender inquiry by the tenderer means that the tenderer has read and accepted the terms and conditions relating to all the tender document and annexures and has thoroughly examined the specifications and particulars in the tender inquiry.

18. Evaluation of Bids

In comparing bids, the Purchaser will consider such factors as compliance with specifications, relative quality, past experience, after – sales services facilities available in Pakistan and the bidders capability to perform.

NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY

CONTRACT AGREEMENT

**IMPORT OF LABORATORY EQUIPMENT FOR
NORWEGIAN CENTRE OF EXCELLENCE IN PETROLEUM STUDIES**

Contract No.: PD(M-III)/NED/Norwegian/Equip/205/16

Letter of Intent No.

- | | | |
|----|--|---|
| 01 | Name(s) and address(es) of the parties to contract | 1 (Name of Local Agent) |
| | | 2 NED University of Engineering & Technology, Karachi-75270, Pakistan (hereinafter called the consignee). |
| 02 | Contract Value | The total C&F Karachi price of the equipment to be imported will be -----

----- |
| 03 | Particulars of Stores | As per Proforma Invoice -----
Dated -----, of Messrs. -----
-----. |
| 04 | Consignee | NED University of Engineering & Technology, Karachi-75270, Pakistan.
Telephone: 92-21-99243261-68,
Fax: 92-21-99243255. |
| 05 | Consignor | Messrs. (Name of Principal)-----

-----. |
| 06 | Date of Shipment | Within ----- days of the Receipt of Letter of Credit. |
| 07 | Place of Delivery | Karachi, Pakistan |
| 08 | Delivery Period | Within ----- days of the Receipt of Letter of Credit. |

09	Marks & Packing	The consignment should be marked clearly for the " NED University of Engineering & Technology, Karachi-75270, Pakistan. "
10	Payment	<p>Payment through an Irrevocable Letter of Credit in favour of Messrs. ----- -----, subject to submission of the following documents (in triplicate) to the University:</p> <ul style="list-style-type: none"> - Final Invoice showing all charges - Original Airway Bill/ Bill of Lading - Original Shippment Advice - Packing List & Warranty/ Guarantee Certificate.
11	Bank Charges	Bank Charges for opening of Letter of Credit (both inside and outside Buyer's Country) will be paid by the buyer (University).
12	Country of origin	-----
13	Port of Shipment	-----
14	Port of Entry	Karachi Airport/ Karachi Seaport
15	Part - Shipment	Not Allowed
16	Trans - Shipment	Allowed
17	Insurance	<p>The insurance of the consignment from ware house to ware house, i.e. from Messrs. ----- -----to the NED University of Engineering and Technology, Karachi-75270, Pakistan will be arranged by the consignee.</p>

- 18 Documents Original Invoice(s), Airway Bill(s)/ Bill(s) of Lading, Packing Lists and Shipment Advice should be sent in the name of NED University of Engineering & Technology, Karachi-75270, Pakistan, C/o National Bank of Pakistan, ----- Branch, Karachi, Pakistan, along with three (3) copies of shipping documents so as to reach the Karachi Airport along with the consignment/ goods.
- 19 Extension in L/C In case the contractor fails to deliver the consignment within the stipulated delivery period, the extension in the delivery period will be at the discretion of the University.
- 20 Guarantee Certificate The Local Agent, Messrs. -----, will arrange to submit to the University a valid Warranty/ Guarantee Certificate as per Annexure- A-II along with the negotiable documents. The certificate should clearly state that the stores supplied by the Supplier/ Principal are brand new and are absolutely free from any material or manufacturing defect(s) and are strictly in conformity with the specifications provided in the relevant quotation. Supplier/ Principal will also certify that the stores have been packed and marked in accordance with clause 9 of this contract.
- 21 Variation The contract shall not be varied or modified without mutual agreement in writing by both parties to contract.
- 22 Replacement The Supplier/ Principal will be responsible to arrange free of cost and inclusive of freight charges, prompt replacement of the equipment or any part, if found defective during the inspection by the University.

- 23 Guarantee/Warranty Warranty of the equipment for a period of one year from the date of installation and operation including replacement and labour on free of cost.
- 24 After Sale Service Free after sale service for a period of one year including part and labour from the date of installation and operation.
- 25 Publications All publications and original service, operational and maintenance manuals to be provided to the University free of cost, in case of supply on in lieu/ substitute item/items, the manuals of those will also be provided. These will be in English Language.
- 26 Special Instruction Shipment through friendly countries carriers only.
- 27 Installation/
commissioning Installtion and commissioning by Messrs. ----

- will be free of cost and will be done within eight weeks of the arrival of the equipment at the University.
- 28 Security/
Performance
Bond The Local Agent -----
----- and is required to submit (before the establishment of L/C) 10% Performance Bond of total value in the shape of Pay Order or an unconditional Bank Guarantee from the schedule bank valid for a period of twelve (12) months which should be executable in any branch of Karachi of that Bank if supplier has account out of the city . The Performance Bond will be released only after satisfactory performance of the contract.
- 29 Familiarization Training Operational and familiarization/training at NED University free of cost, within eight weeks of arrival of the equipment.

- | | | |
|----|--|--|
| 30 | Inspection | The consignment will be subject to inspection by the University. |
| 31 | Liquidated Damages | If the Contractor fails to deliver the equipment within the time laid down in the Contract Agreement or any extension thereof, the consignee reserves the right to deduct from the Contract Price, as Liquidated Damages , a sum of 2% of FOB value per month of the contract price of each unit of the equipment or the undelivered stores for each calendar month of delay. Total liquidated damages payable to the Purchaser shall not in any case exceed by ten percent (10%) of the Contract Price of the unit or units so delayed and such deduction shall be in full satisfaction of the Contractor's liability for the said failure. The amount will be recovered from the Local Agent's commission/ Performance Bond. |
| 32 | Acceptance of Terms & Conditions of the Contract | The Local Agent/Principal hereby accepts the Instructions to Tenderers and Terms & Conditions of the contract laid down in the Contract Document. |

1. Supplier/Contractor

Signature _____

Name _____
For Messrs.

2. NED University of Engineering and Technology, Karachi.

Signature _____

Project Director Mega-III
For & on behalf of Vice Chancellor
NED University of Engineering & Technology
Tel #: 99261261-68 Ext. 2460
Fax #: 99261255

Dated: _____

WARRANTY/ GUARANTEE CERTIFICATE

Firm's Name _____

Contract No. _____ Date: _____

1. I/We hereby guarantee that the goods supplied against the above contract are in all respects in accordance with the relevant specifications and terms of the contract and that materials used, whether or not of our manufacture, are in accordance with the latest approved standard specifications, are of good workmanship/quality throughout, and that we shall replace free of cost, every article or part thereof which before use or in use, shall be defective, or not within the limits and tolerance of specifications requirements, or in any way not in accordance with the terms of the contract.

2. In case of our failure to replace the defective stores free of cost within the period specified by the purchaser, we will refund the cost involved.

3. The Warranty/ Guarantee will remain valid for 12 months after receipt of stores by the consignee/ installation of equipment.

Signature : _____

Name : _____

Status in the firm : _____

Dated : _____

FORM OF TENDER

Contractor/Manufacturer/Supplier

Telegraphic Address: _____

Telephone Number : _____

Fax Number : _____

To,

**The Project Director (Mega-III),
NED University of Engineering &
Technology**

Dear Sir,

In reply to your invitation to Tender No. _____ dated _____ I/We hereby submit my/our tender in duplicate for the supply of Laboratory Equipment, as per details given in the schedule hereto duly signed by us or such portion thereof as you may specify in acceptance of tender at the prices given in the said Schedule and agree to hold this offer open till _____.

I/We shall be bound by a communication of acceptance dispatch within the prescribed time.

I/We have understood the Terms and Conditions of Invitation to Tender and have thoroughly examined the specifications quoted in the schedule hereto and am/are fully aware of nature of stores required and my/our tender is to supply stores strictly in accordance with the requirements.

The tender particulars have been furnished and signed.

Yours faithfully,

(_____)

Dated: _____

Address: _____

TENDER PARTICULARS

TENDERER MUST GIVE SPECIFIC ANSWER FOR EACH
ITEM AGAINST EACH OF THE FOLLOWING QUESTIONS

1. Whether equipment offered conform to particulars specified in the schedules, if not, details of deviation must be stated.

2.
 - 2.1 Brand of equipment
 - 2.2 Name & Address of Manufacturer
 - 2.3 Country of Origin of Equipment

3. Earliest date by which delivery can be affected and complete schedule of delivery. If delivery period is different for different items, it is to be indicated item-wise. The delivery schedules offered must be guaranteed.

4. Whether specifications of packing as prescribed in Tender Enquiry will be adhered to.

**FORM OF SCHEDULE OF TENDER IN RESPECT OF STORES
TO BE PURCHASED ON C&F KARACHI BASIS**

DUE BY _____ Hours PST on _____ 2011

SCHEDULE TO TENDER NO.: _____

The Tender will be opened at _____ hours on _____ 2011

The Tenderers shall quote the Rates and Amounts in the Bidder's home currency or in the currency of the country of origin of the equipment or in U.S. Dollars.

1	S. No.
2	Description of Stores and country of origin
3	Brief Specifications of Stores/ Packing Materials & Marking Model No.
4	Unit
5	Quantity offered
6	Rate Per Unit FOB Port of Shipment, Less Local Agent's Commission
7	Ocean Freight Rate Per Unit, from Port of Shipment to Karachi
8	Local Agent's Commission (Payable in non-convertible Pakistani Currency)
9	Grand Total C & F Price per unit.

IT IS CERTIFIED THAT

1. The stores offered above conform in all respects to the particulars given in the Tender document.
2. All terms and conditions of Tender document are acceptable to us.

Dated: _____

Signature of Tenderer & Seal

CONTRACT PERFORMANCE BOND

(This Bond must be from Scheduled Bank executed on a non-judicial Stamp Paper)

KNOWN ALL MEN BY THESE PRESENT, WE, _____
AND _____
address or legal title of Contractor (here insert the legal title of _____
are jointly and severally bound to the surety).

NED University of Engineering & Technology, Karachi, including its successor in office and Assignees acting through the Vice Chancellor, (hereinafter called the "Purchaser") in the sum of Rs. _____ (Rupees _____) to be paid to the Purchaser for which payment we jointly and severally bind ourselves and our successors, assignees and legal representations.

Signature:

Signature:

Dated: _____

The above _____ have tendered to the Purchaser for the supply of equipment for the NED University of Engineering & Technology, and this tender in part has been accepted.

NOW THE CONDITION OF THIS BOND IS

1. That the said _____ shall supply the equipment on C&F Karachi basis to the Purchaser strictly in accordance with the terms and conditions on which the Contract has been awarded to them and shall complete the supply in terms of the contract.
2. AND, if the said _____ do not comply with the supply of equipment within the stipulated period, or such extended period as may be allowed to them by the Purchaser, or only partly supply, or do not commence the supply, or commit a breach or failure in the performance of any part of the Contract, the said Bond shall come into force.

AND, if the said _____ should execute the contract in terms of the conditions of the Contract and hand-over the work to the Purchaser, his obligation shall be void.

Signature _____

Signature _____

Dated: _____

FORM OF THE BID BOND/EARNEST MONEY

GUARANTEE NO. _____
ISSUED DATE. _____
EXPIRY DATE. _____
AMOUNT. _____

To,
The Project Director (Mega-III),
NED University of Engineering & Technology

Whereas _____ (Hereinafter called "The Bidder")
has submitted its bid dated _____ for NED University of Engineering and
Technology, Karachi hereinafter called "The Bid".

And whereas the Bidder has requested the bank to issue the Bid Bond / Earnest Money in favour
of NED University of Engineering & Technology, Karachi for the sum of Rs. _____ (2%
of the total estimated price) required to be furnished by the Bidder for consideration of its Bid.

Now, therefore, we (BANK) _____ having our registered office at _____
(hereinafter called "The Bank") hereby Guarantees Irrevocably and unconditionally to pay
forthwith to the sum of Rs. _____ (2% of the total estimated price) without any
reference to the Bidder on NED University of Engineering & Technology, Karachi first demand
in writing stating that the Bidder has withdrawn or unilaterally modified its offer or has after
having been notified of the acceptance of its Bid by NED University of Engineering &
Technology, Karachi failed to execute the CONTRACT or has failed after executing the
CONTRACT to submit to NED University of Engineering & Technology, Karachi the
performance guarantee / bond required under the CONTRACT.

This guarantee shall remain valid and in force for 120 days from the last date fixed for
submission of the Bids that is and any demand for payment by NED University of Engineering &
Technology, Karachi within the said validity period of this guarantee shall be paid forthwith by
the bank to NED University of Engineering & Technology, Karachi.

This guarantee is valid upto _____ and any claim arising out of this guarantee must
be lodged on or before the _____.

WITNESS

BANK

F/QSP 09/06/01

ISSUED ON: _____

ISSUED TO: _____

**NED UNIVERSITY OF ENGINEERING AND
TECHNOLOGY, KARACHI**



TENDER DOCUMENT

**SUPPLY OF LABORATORY
EQUIPMENT**

**TITLE: Import of Laboratory Equipment for Department of
Petroleum Engineering under Norwegian Project**

DOCUMENT NO.: PD(M-III)/NED/Norwegian/Equip/205/16

PROJECT DIRECTORATE (MEGA-III)

NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY KARACHI

DEPARTMENT OF PETROLEUM ENGINEERING

BILL OF QUANTITIES

S.No	Description of Items	Unit	Quantity	Unit Rate	Total Cost
1-i	<p>Gamma Ray Core Logger:</p> <p>Model / Make: Any International Reputed Brand</p> <p>Purpose: Provides both total and spectral analysis of the natural gamma radiations emitted from the core samples. Permits to differentiate uranium, thorium and potassium concentrations in a core that helps in lithology identification of cores and well logs.</p> <p>Specification: Apparatus consists of a conveyer belt suitable for cores upto 5.5'' or 6''. Llead shielding and suitable gamma ray detectors. Detector system consists of a shielded scintillation crystal (sodium Iodine detector) coupled with a photo multiplier, a multi-channel spectrum analyzer and analytical software. Energy windows include K, U and Th as well as the total gamma radiation. Handles Core samples in barrel, in a fiber glass, or aluminum, liner. Scanning of core done along its length from bottom to top simulating a wire-line log pass. Variable Logging speed (2 or 3 feet/min). This unit should record background radiation for a time high enough in order to establish a base reading. The pushing element should position a core to an accuracy of better than 0.5 mm. Power supply: 230 VAC 50/60 Hz 1 phase One Year Spare Parts - includes detector, belt and printer cartridges.</p>	No.	01		
1-ii	<p>Core Photo system</p> <p>Model / Make: Any International Reputed Brand</p> <p>Purpose: For digital photography of core system.</p> <p>Specification: PC Based white light and UV core photography system with High Resolution Digital Camera (should be minimum 5516 x 3744 pixels).The feature of camera changing during experiment should be present. PC or MAC based workstation offers full camera control including image focusing and setup, professional grade post capture image processing software. Appropriate accessories and filters, core layout table for whole or slabbed core photography. One year spare parts includes extra UV tubes (4), flash tubes (2), modeling lamps (2), batteries, camera back (med format)</p>	No.	01		

2.	<p>Dynamic Linear Swell meter, complete with Compactor & PC Control</p> <p>Model / Make: Any International Reputed Brand</p> <p>Purpose: Investigating the swelling characteristics of shale formations for selecting a proper drilling fluid in reactive shale formation. To know the extension or contraction of shale to maintain maximum inhibition and wellbore stability.</p> <p>Specification:</p> <ol style="list-style-type: none"> 1. Designed to simultaneously test up to four drilling fluids (expandable to eight) on a representative shale sample for extended periods of time at temperatures up to 180°F. Interpretation of results should be accurate to the extent of 3 decimal places. Power Supply of the equipment should accurately match with quotation. Equipment should be capable enough to carry out experiments frequently on daily basis. 2. Swell meter capable of dynamically testing the fluid. Have instrumental control. 	No.	01		
3.	<p>Compostional Analyzer GC. Compostional Analyzer GC.</p> <p>Model / Make: Any International Reputed Brand</p> <p>Purpose: For compositional Analysis of hydrocarbon fluids in range from C1 to C36+ with minimum C-16. The department possess foremost PVT Analysis Mercury Free system, the addition of Compositional analysis GC will enhance the system capability to provide compositional analysis simultaneously with physical analysis of hydro carbon fluids.</p> <p>Specification: TCD/FID in series. Multi column injection systems with high sensitivity detection of . of all components of interest in natural gas and condensate. Multi-valve Oven for maximum flexibility in column oven operations. There must be a provision of determining liquid hydrocarbon content (C1-C12) and gaseous content (C1-C36+) separately TCD for the determination of O2, N2, CH4, CO2, and H2S. FID for detailed separation of the extended hydrocarbons through C16 Electronic flow control system. Automated, Unheated 8 Port Dual Liquid Sampling Valve for injection of LPG type samples. Also include UPS comfortable to the instrument requirement having 230 VAC and frequency of minimum 50 Hz with a transfer time of maximum 40 ms. Interpretation of results should be accurate to the extent of 3 decimal places. Separate analyzers for measuring H2S, water content and inorganic content must be present.</p>	No.	01		

4.	<p>Gas & Oil Sampling Bottles</p> <p>Model / Make: Any International Reputed Brand</p> <p>Purpose: Cylinders for separator and process line sample transportation and storage They are used primarily for well test separator sampling during production testing. Essential for getting field samples for PVT analysis directly from the producing wells.</p> <p>Benefits Sample transportation without phase change for specialized analysis Representative samples for flow assurance studies Minimal dead volume avoids contamination Pressure compensation (single-phase)</p> <p>Specification: For oil, gas & condensate. Single phase Sample Bottle (CSB-Conventional Sampling Bottle) 15k psig</p> <p>Length, in [m] 27 [0.6] Max. OD, in [mm] 3.25 [83] Sample capacity, in3 [cm3] 37 [600] Test pressure, Psi[MPa] 22,500 [155] Working pressure, Psi [MPA] 15,000 [103] Working temperature, degF[degC] 392 [200] Design code USDOT, TC,TPED or BS5500 Mercury Free.</p> <p>Service: Sour</p> <p>Material of Construction: Stainless Steel/ Aluminium alloy</p> <p>2. Gas sampling Bottle USg(L) 5.283(20) Length, in[m] 48(1.23) Width in(m) 13(0.32) Height in(m) 12(0.30) Max. OD, in [mm] 13(330) Sample capacity, in3 [cm3] 1220 (20,000) Test pressure, Psi[MPa] 4350(30) Working pressure, Psi [MPA] 2900(20) Working temperature, degF[degC] 212[100] Design code USDOT,TC,TPED .Service: Sour (H2S) Material of Construction: Aluminium alloy Weight lbm[kg] 71[32] Process Fluids: Petroleum Crude Oil, Petroleum Gases (Liquefied),Compressed Gases (Flammable), Natural Gas (Compressed), Nitrogen (Compressed), Formation Water (water with dissolved salts in various quantities) Valves: Angle Needle Valve Connecting Port: Autoclave type 3/8"-24 (cone 24°) female allowing to connect 1/8" tubing (equipped with suitable ferrule) Wetted parts to be made up of stainless steel Protective end caps to be provided</p>	Nos. Each	01		
	<p>NOTE: IN ADDITION TO INSTALLATION AND OPERATION AN EXCLUSIVE TRAINING ON HANDLING, OPERATION DATE DATA GENERATION AND ANALYSIS ON EACH ABOVE FOUR EQUIPMENT IS REQUIRED.</p>				
			Total =		

