



NATIONAL CENTRE OF EXCELLENCE IN GEOLOGY

UNIVERSITY OF PESHAWAR

Peshawar-25120, NWFP, Pakistan

Phone: +92-91-9216427; 9216429 Fax: +92-91-9218183

Web: <http://nceg.upesh.edu.pk/>

Last date of tender is **May 18, 2015.**

Opening date of tender is **May 18, 2015 at 12:30 PM**

Price= Rs.1500/-

(People who downloaded this file from NCEG site will have to deposit an amount of Rs.1500/- as the payment of Tender Document at the time they submit their bids or send a demand draft of Rs.1500/- in the name of Director NCEG, in case of submitting documents through courier/postal mail)

TENDER DOCUMENTS FOR THE PURCHASE OF ITEMS

(Note: Please must provide a soft copy (on a USB/CD drive) of all documents along with hard copy of the offer. Thanks)

Document Issued By:

NCEG Official

Dated: / / 2015



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Terms & Conditions

1) INVITATION TO BID

- The Director National Centre of Excellence in Geology invites bids for the items as per attached list.
- Bids must be submitted in sealed envelopes, including its due date on the face of the envelope.
- Earnest money @ 2% of the total bid cost shall be submitted with the tender without which the quoted bid will not be considered.
- The quoted price shall be inclusive of all duties / taxes.
- The Director, National Centre of Excellence in Geology, reserves the right to add, delete or amend any part of the tender documents during the bidding period.

INSTRUCTION TO BIDDERS/GENERAL CONDITIONS

2) SUBMISSION OF BIDS

- Bids in sealed envelope should reach the office of the director on or before the due date.
- Bids sent through courier should be delivered at least half an hour before the scheduled time of opening.
- After the bids / quotations are opened, no bidder shall be allowed to revise, propose or request any changes in bid, unless the committee decides to do so.
- The bidder or authorized representative shall sign on each page of the tender document. No corrections and overwriting are allowed.
- Item(s) should be quoted ANNEXURE-wise separately. Preference will be given to the firm(s) quoting maximum number of equipment ANNEXURE wise, along with installation and commissioning/Turnkey solution. However, NCEG reserves the right to opt any item from any bidder for the required items.
- ***Bidders are requested to read carefully the terms and conditions and sign the Tender Form in token of having understood and accepted the same in all respects. All or any of the provisions of the terms and conditions may be changed/altere d/modified/deleted/added or amended by the Centre as and when deemed suitable/necessary.***
- While quoting tender rates, the items should be given numbers as are numbered in the Tender Document.
- The tender Rate shall be item wise. And rate will be on both FOR basis in Pak Rupees and C&F basis *Peshawar Air Port. / NCE in Geology premises.*
- Prices of optional accessories should be quoted separately.
- *Taxes levied by the Government and freight charges, if any, shall be paid by the bidder and must be included in the quoted prices.*
- Bidder is responsible for timely delivery of bids. This office will not be responsible for misplacement / tampering / non-attendance delay or any other incident in case the bids are not delivered at the designated place & time.
- The bidders should be either established firm or sole distributor / authorized agent of the manufacturer having after sale service facilities, preferably, in Peshawar and/or Islamabad/Rawalpindi.
- The payment of equipment is coupled with installation / commissioning of equipment; therefore, supplier should make sure that bid is complete in all respects including consumables etc.
- The bidders must enclose original Performa Invoice / Quotation from their Principals or authorization certification of the Principal, failing which their offers will be ignored.
- **Bidders should preferably have office, workshop facilities and after sales services preferably in Peshawar and/or Islamabad/Rawalpindi.**
- Bidders must have trained engineers to provide after sales service. Copy of Training Certificate should be submitted along with their offer.

Note:

- Certificate of the Principle Vender.
- Only those suppliers will be entertained who have previously supplied similar equipments in Pakistan.
- ***Training of Two end users will be the responsibility of the bidder, in case of winning the tender.***

The price is to be quoted, essentially indicating the following:

- a. Original Country of origin.
- b. Estimated gross / net weight, dimension & volume of offered item.
- c. Delivery period.
- d. Original technical literature.
- e. List of Clients to whom the same natures of equipment are supplied in recent two years.



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- f. The supplier must submit a certificate that the equipment supplied are according to international standards at time of delivery, otherwise no supply will be accepted by the client and the call deposit will be forfeited.
- 3) **BID VALIDITY**
All offers shall remain valid for 180 days from the date of opening of bids, until any further extension required by the client.
- 4) **ACCEPTANCE/REJECTION**
The Director National Centre of Excellence in Geology reserves the right to reject all bids at any time prior to the acceptance of bids. The grounds of rejection will be communicated to the bidder(s) upon request. However, Director NCEG shall not be liable to provide any justification of those grounds.
- 5) **RATE ESCALATIONS**
Quoted price shall remain valid, firm, and irrevocable and fixed till the fulfillment of obligations by the supplier and will not be subject to escalation on any account.
- 6) **TECHNICAL LITERATURE & SAMPLES**
If applicable/required, the Bidder (s) shall submit the following:
a. Data/Fact sheets of the equipment.
b. Original technical literature/Evaluation Software (s)
- 7) **EVALUATION**
Evaluation will be done on item-wise basis unless specified otherwise. The Director National Centre of Excellence in Geology, for timely delivery or economic reasons/compatibility, may:
a. Split the tendered items/ quantities among more than one supplier.
b. Form a package of tendered items/quantities.
c. Omit, Decrease or increase any item of Bid.
- 8) **PURCHASE ORDER**
Purchase order of quoted material shall be placed on fulfillment of conditions mentioned at above.
- 9) **DELIVERIES**
a. Free delivery at the following location is required, unless specified otherwise:
a) Director National Centre of Excellence in Geology, University of Peshawar, Peshawar, Pakistan
b. The supplier shall replace defective material/software/hardware at his / her risk and cost. Including transportation duty, taxes etc.
c. The material shall be in original/sealed packing to ensure delivery without any damages during transit. .
d. The supplier shall be responsible for and shall provide part of the work and services/functions and equipment related to packing, handling and general transportation requirements.
e. If any of the software/hardware is discovered to be damaged or unacceptable at the point of embarkation or disembarkation, the supplier shall be responsible for replacement of the software/hardware free of any charges and costs to the buyer / client.
f. Time of Delivery of all equipment will be Maximum 60 days (FOR) and 90 days (C&F) after the date of issuance of purchase order.
g. **The equipment should be new and the vendor/supplier will ensure originality of the procurement channel as well as equipment.**
h. The Equipment shall be supplied in packed form and shall only be opened in the presence of the Purchase Committee/NCEG Official. Working manuals and other related literature shall accompany the equipment in original at the time of delivery.
- 10) **SCOPE OF SUPPLY**
a. The bidder shall supply/deploy equipment/items, of the specifications given in the attached Annexure-II, III, IV.
b. The bidder shall also be responsible for their installation, calibration, free service and the supplies at least one year from the date the equipment makes warranty functional.
c. **All equipment should be accompanied by service manuals of the equipment/item separately in English.**
d. In case installation at the times of supply/delivery is not possible; the vendor/supplier has to fulfill the same on the new installation date, given by Technical/Concerned Person of the NCEG.
- 11) **INSPECTION**
Pre-delivery inspection may be carried out at the premises of supplier (s) and / or post delivery inspection at office of Director, by the Technical Committee/NCEG official.
- 12) **PAYMENT**



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The supplier, after delivery of goods and its acceptance/satisfactory report shall submit invoice to this office, containing relevant information i.e.

- a. Purchase order number and date
- b. Item number
- c. Quantity
- d. Price
- e. Delivery challan indicating delivery date.
- f. Sales tax return invoices.
- g. No Interim payment will be made.

13) TAXES

- a. **Income tax as applicable** under the prevailing Government rules will be deducted at source (except where the supplier provides an income tax exemption certificate).
- b. Quoted price shall be inclusive of all taxes, especially **GST 17%** will be applicable.
- c. Professional tax shall be deducted as applicable.

14) LIQUIDATED DAMAGES

- a. If supplier fails to deliver ordered material within the stipulated period / scheduled time specified in purchase order, The Director, without prejudice to any other remedies, shall deduct from the bills or any other due payments / guarantees, as liquidated damages, a sum equivalent to 0.1% per day of the undelivered goods up to maximum 10% of the bid price & forfeit 2% earnest money.
- b. The liquidated damages shall also be applicable for the cancelled quantity of goods.
- c. Whenever liquidated damages become payable, in the event that delivery of all goods and equipment is not made within the time period specified except on account of force majeure, the buyer shall quantity the same and shall serve notice to the supplier requiring payment thereof.
- d. If the supplier fails to remit payment within ten (10) days of receipt of such notice, the buyer shall forth-with become entitled to recover the same.

15) SECURITY DEPOSIT/RETENTION MONEY/PERFORMANCE SECURITY

10% Amount of bill price shall be deducted or bank guarantee provided by supplier & the same should be released after the issuance of FAC / Satisfactory report.

16) MAINTANANCE PERIOD

Maintenance period is one year from the date of successful installation.

17) INSTLLATION & COMMISIONING

- a. **Please note that system/supply should be completed in all respect in terms of hardware, software and accessories/spare parts. Any deficiency in acquisition of desired results at the time of installation and subsequent functioning will be the responsibility of the supplying firm/company, without any additional cost. All the supply should be based on National Centre of Excellence in Geology University of Peshawar.**
- b. The supplier will be responsible for installation, testing Commissioning and one year smooth running of equipment. And also arrange free of cost training for the buyer/client.

18) CONDITIONAL BIDS

Conditional, incomplete bid will not be accepted.

19) BID BOND/ EARNEST MONEY

- The bidder shall furnish, as part of his bid, earnest money equal to 2% of quoted price with their offer in the form of demand draft/ pay order in favour of Director, National Centre of Excellence in Geology, University of Peshawar, Peshawar.
- The earnest money shall be denominated in Pak rupees and shall be in the form of Demand Draft, Pay Order or Call Deposit issued by a Pakistani scheduled Bank or branch of a Foreign Bank, acceptable in favour of the National Centre of Excellence in Geology, University of Peshawar, Peshawar.
- In case of alternate prices, earnest money will be based on the maximum quoted price of the same item.
- The Demand Draft shall be returned to unsuccessful bidders.
- **The Earnest Money will be forfeited if a bidder withdraws his bid during the period of his bid validity or fails to supply the machinery / equipment ordered by the university.**

20) SIGNING OF BIDS

The person signing the bid shall initial all the pages of the bid, where entries are made and attach Tender Document cost receipt in original.

21) PURCHASER'S RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS

The National Centre of Excellence in Geology, University of Peshawar, Peshawar (Purchase Committee) reserves the right to reduce or increase the quantity, accept or reject any bid and to stop the bidding process and reject all bids, at any time prior to award of supply order without incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidders of the ground for such actions.



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22) CONVENCING

Unsolicited advice/clarification and any personal approaches at any stage of evaluations/purchase process are strictly prohibited and may lead to disqualification.

23) PERFORMANCE SECURITY

- Within one week of issuance of the purchase order for C&F equipment only, the successful bidders shall furnish to National Centre of Excellence in Geology, University of Peshawar, the performance security bond as per Annexure-I, equivalent to 10% of the bid price in the form of a bank guarantee, before opening of LC.
- The performance security shall be payable to the National Centre of Excellence in Geology, University of Peshawar, as compensation for any loss resulting from the supplier's failure to complete its obligation.
- The performance security will be discharged by the National Centre of Excellence in Geology, University of Peshawar, and returned to the supplier after completion of the supplier's performance obligations under the contract.
- The security will be retained for one National Centre of Excellence in Geology, University of Peshawar, year starting from the date of successful installation and operation of the machinery / equipment.

24) CALIBRATION OF EQUIPMENT

- It will be the responsibility of supplier to arrange standards / consumables required for the calibration of the equipment at the time of installation.
- No TA/DA claim will be entertained by NCEG, in case of after sale services, whenever it requires within the premises.
- *In case of non-conformity with desired specification, the item shall be replaced by the supplier free of cost.*

25) WARRANTY

- The supplier shall furnish at least one year after sales service / warranty for successful operation of equipment(s) / item(s) from the date of installation.
- In case of Malfunctioning / defect in any equipment / item, the supplier shall replace them free of cost within 30 days; otherwise the supplier will return the entire paid amount to National Centre of Excellence in Geology, University of Peshawar immediately.

Note:

By signing this agreement, you acknowledge that you have read and understood, and agree to be bound by, the terms and conditions as outlined in the agreement and confirming that your company/organization terms and conditions stand eradicated.

Dated: _____

Name: _____

Designation: _____

Company Name: _____

Contact No: _____

Mailing Address: _____

E-Mail: _____

Signature and official Seal: _____

NCEG Official & Signature _____



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ANNEXURE-I

PERFORMANCE BOND

Director
NCE in Geology
University of Peshawar, Peshawar

Dear Sir,

RE: AGREEMENT DATE : _____ BETWEEN YOURSELVES
& M/S _____ No. _____ In consideration of your having concluded
a CONTRACT evidenced by purchase order No. _____ dated _____ with
m/s. _____ (SUPPLIER) for
_____ and in consideration of value received from the SUPPLIER, we agree and
undertake as follows:-

1. To make unconditional payment of _____ or unconditional payments from time to time as called upon totaling the said sum of _____ being 10% (Ten Percent) of the CONTRACT price mentioned in the said Purchase Order/ Agreement upon your written demand(s) without further recourse, question or reference to SUPPLIER the event of Supplier's default in compliance with its obligatory liabilities and responsibilities arising under and in pursuance of the warranties and guarantees committed by it in the said Purchase Order / Agreement.
2. To accept written intimation(s) from you as sufficient evidence of the existence of a default or non-compliance as aforesaid in the part of SUPPLIER and to make payment accordingly within fifteen (15) days of receipt of the written intimations.
3. To keep this guarantee in full force from the date of this guarantee up to two years after the date of installation and successful operation of equipment.
4. No grant of time or other indulgence to or composition or arrangement with SUPPLIER in respect of the performance of its obligations under and in pursuance of the said Agreement / Purchase Order of any Clause thereof, with or without notice to us shall in any manner discharge or otherwise, howsoever, affect this guarantee and out liabilities and commitments hereunder.
5. This guarantee shall also cover obligations of the SUPPLIER so far as liquidated damages is concerned, as provided in Agreement / Purchase Order any recovery on account of liquidated damages shall not reduce the value of 10% (Ten Percent) provided herein.
6. This guarantee shall be binding on us and our successors-in-interest and shall be irrevocable.

Yours faithfully,

Bank Seal



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ANNEXURE-II

Shifting of Labs

A. Shifting of labs

The Centre is in the process of shifting of laboratories from old building to the newly constructed building. These labs contain highly sophisticated instruments such as Electron Microprobe (Jeol, Japan) (X-ray Diffractometer (Rigaku, Japan) and X-ray Fluorescence (PANanalytical, UK) which need to be shifted from old to new building in working condition. The Bidder Firm will have to provide the Company profile with authentic supporting documents indicating that the firm has the expertise available and also has the capability of dismantling and reinstalling the sophisticated research instruments in working conditions. Each interested firm is requested to visit the sites and check the possibilities of shifting the equipments during office hours before submitting the bid

Photocopier, Computers, Laptops/Desktops and UPSs

A. Photostat Machine of following specifications

25 cpm 600x600dpi scanning resolution A3 paper size support 512MB RAM (or higher) Preferably large storage device/HDD (250GB or higher) Duplex unit USB support Network support with network card <i>Separate rates be quoted for different models</i> <i>Accessories list please be attached and rate be provided</i>

B. Laptops*

Core i7	15.6" Professional Series Laptop (HP Probook/ENVY, Dell Precision/XPS, Lenovo T/Y Series) with FHD ((1920x1080) Antiglare LED Backlit Screen Min. 2GB nVidia Graphics Card Intel Core i7 quad core 16GB RAM 1TB 7200/5400 RPM Harddisk DVD RW± USB 3.0 ports 9 Cell Battery Original Company Manufactured Carrying case Local Warranty No Operating System Models with front panel LEDs for HDD, Power, WiFi, charger etc.
Core i5	15.6" Professional Series Laptop Intel Core i5/quad core



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	8GB RAM 750GB/1TB 7200/5400 RPM Harddisk DVD RW± USB 3.0 ports 9 Cell Battery Original Company Manufactured Carrying case Local Warranty No Operating System Preferably models with front panel LEDs for HDD, Power, WiFi, charger etc. .
<i>* Separate prices be quoted for laptops with and without graphics card (min. 2GB nvidia) It is advised not to quote laptops of ordinary user class level. Bidders are advised to work around their options and come with different alternatives</i>	

C. Desktops

Intel Core i3 desktop (unbranded) 4GB RAM 500 GB HDD DVD RW+- Professional Chassis with 300Watt power supply 23" or higher LED USB Keyboard+Mouse
Intel Core i5 desktop (unbranded) 4GB RAM 500 GB HDD DVD RW+- Professional Chassis with 300Watt power supply 23" or higher LED USB Keyboard+Mouse

D. Branded Desktop Computer System (Core i7)

Intel Core i7 8GB RAM 1TB HDD DVD RW+- Professional Chassis with 300Watt power supply 23" or higher LED USB Keyboard+Mouse
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E. Uninterrupted Power Supply (UPS)

Sr. No	Name of item/equipment	Specifications
a.	UPS (bidders will be required to provide a demo of the selected item inside NCEG premises)	1kVA (standard/long backup) 1 ph input /1 ph output , rated voltage 220/230/240 Vac , input frequency 45-66Hz, output voltage 220/230/240Vac, battery voltage 36vdc, wave form Sine wave, THDv<3% , battery pack 36V/7Ah, power factor of 0.7
		3kVA (standard/long backup) 1 ph input /1 ph output , rated voltage 220/230/240 Vac , input frequency 45-66Hz, output voltage 220/230/240Vac, battery voltage 96 vdc, wave form Sine wave, THDv<3% , battery pack 96V/7Ah, power factor of 0.7

MINERAL PROCESSING LAB ITEMS

Following items are required for Fire Assay Instrument (Gold Analysis)

1. Conical Depression Mold (2 depression cast iron mold) (01)
2. Gold Free High Litharge Fire-Assay Flux (01)
3. Gold Free High Litharge Fire-Assay Flux with flour (01)
4. Magnesite crucibles (1 9/16" dia, 1"high, 40g weight) (300)
5. AP Green Fire Clay Assay Crucibles (100)
6. Crucibles scissor tongs (19") (01)
7. Pouring tongs (48") (01)
8. Oberon SR-Series Face shield (01)
9. Aluminized aprons – Heat Reflective (24"x36") (01)
10. Assayer gloves (18" Heat-resistant) (01)



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ANNEXURE-III

BILL OF QUANTITY FOR SECURITY & SURVEILLANCE EQUIPEMENT

Section: A*

Serial Number	Item/Short Description	Unit Price
1	Security Bar-Wire with Iron Hooks (10 Ft)	
2	Road Blocker with Manual Control Button	

* Note. The cost must include any installation & configuration charges, if applicable.

Section: B *

Serial Number	Item/Short Description	Unit Price
1	Wireless Communication Kit for Security Staff with 6 Waki-Taki's and base station for coverage of 1Km Radius Indoor/Outdoor (Note Include all components that are the part of the system),It should be a Trunkey Solution	
2	Warranty 1 Years with Support Services	

* Note. The cost must include any installation, configuration & Training charges, if applicable.

Section: C* Firefighting equipment

Serial Number	Item/Short Description	Unit Price
1	Fire Extinguishers - DCP (Dry Chemical Powder) Type/Co2 (Carbondioxide) Type/Halotron (Clean Agent) Type	
2	Fireproof suits with masks	
3	Fire hoses	
4	Fire Cylinders	
5	Firefighting foam equipment	

* Note. The cost must include any installation & configuration charges, if applicable.

Section D (Network Management System)

Serial Number	Item/Short Description	Unit Price
1	A network management system with following capabilities <ul style="list-style-type: none"> • Web based management interface • Customizable dashboard • Can work as a traditional server or virtual appliance (SaaS) • Installable on Windows and Linux flavors • Unified management of entire network comprising of Alcatel-Lucent, D-Link and Aruba network equipment 	



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	<ul style="list-style-type: none"> • Integration with 3rd party IPS/IDS solution <p>* Prices must include any installation, configuration and training charges.</p>	
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Section E (DC Environment Monitoring Watchdog)

Serial Number	Item/Short Description	Unit Price
1	A DC environment monitoring watch dog with following features <ul style="list-style-type: none"> • Accessible through a web browser • 5 built-in Sensors (Temperature, Humidity, Dew Point, Air Flow, Sound Level) • 3 analog inputs for 0-5 VDC sensors • 5 digital sensor ports for ITW remote sensors • LCD display cycles through sensor readings • Multi level alarms with escalation • Alarm notifications sent by email and SNMP • Audible horn triggered by alarm 	



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TECHNICAL COMPLIANCE SHEET

(Section: A)

Security Bar-Wire with Iron Hooks (10 Ft-Lengths)

REQUIRED SPECIFICATION	COMPLIANCE (YES / NO)
High tensile strength wire (Minimum 14 Gauge)	
Minimum number of turns 40 with diameter of 2ft in 10Ft spacing.	
One "Y"-Shaped iron bar should be placed after every five feet.	
Complete Installation with all accessories and material needed including civil works.	

*For reference see below picture.



Road Blocker with Manual Control Button

REQUIRED SPECIFICATION	COMPLIANCE (YES / NO)
Length Approx. 18 ~ 22 Ft (Depending on Site)	
Mex Blocking Wedge	
Wedge Holding Base	
Ms Under Ground Casing	
Hydraulic Power unit (HPU)	
Anti-Slip Ms Plate	
Front Conver Skirt	
Yellow / Red Diagonal Strips	
Electrical Control unit Section	
Hpu/ Ecu mounting platform	
Status Signal	
Cabling Exit Plug	
All Civil Works Material Will be included	
Warranty 1 Years	

TECHNICAL COMPLIANCE SHEET

Section: B*Firefighting equipment



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REQUIRED SPECIFICATIONS	COMPLIANCE (YES / NO)
Fire Extinguishers - DCP (Dry Chemical Powder) Type/Co2 (Carbondioxide) Type/Halotron (Clean Agent) Type *Mention type of the quoted extinguisher	
Fireproof suits with masks	
Fire hoses	
Fire Cylinders	
Firefighting foam equipment	

TECHNICAL COMPLIANCE SHEET

Section: C Network Management System*

REQUIRED SPECIFICATION	COMPLIANCE (YES / NO)
Single, consolidated interface for network deployment, troubleshooting, performance analysis, configuration operations	
Unified management of network services, resources, and users for wired and wireless networks	
Northbound interface RESTful APIs for application interoperability	
HTML5 web-based client, allowing access through any browser, including mobile browsers	
Available as Stand Alone Server application and virtual software appliance	
Real-time monitoring and analysis of critical network performance indicators through visual widgets	
Supports discovery for Alcatel-Lucent Enterprise and third-party devices	
Visual topology for logical and physical infrastructure, with actual neighbor linkage info (IP subnet, Layer 2 , LLDP adjacency protocols) and live device status	
Dynamic, custom, logical map based on user-defined filters (IP subnet, location, model, user-provided descriptive info)	
Monitors and analyzes alerts, notifications and network performance from Alcatel-Lucent and third-party devices in real time	
Allows administrators to quickly search and pinpoint device location and associated devices, based on multiple criteria and live or historical searches	
Discovers third-party devices and indicates the nearest Alcatel-Lucent Enterprise operating system device to which the third-party device can be switched, showing the link on a topology map	
Manages complete device configuration lifecycle	
Automation tools to create infrastructure-wide software image update for baseline version management	
Unified user interface for wired and wireless Role Profiles for user based access	
Cohesive Authentication configuration and end-user profile definition for appropriate network access rights and dynamic business Policies	
Configures and deploys policies network-wide for bandwidth management and network access credentials through a task centric Workflow	
Integrates with ClearPass for unified authentication, with consistent checking for profile definition across all solution components	



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• Authentication configuration and end-user profile definition for appropriate network access rights and dynamic business policies	
Provides threat mitigation through a secure perimeter against intrusion and malware attacks	
Provides mitigation and remediation through various actions (quarantine VLAN, port shut-down, blocking MAC addresses)	
Single pane-of-glass for end-to-end physical and virtual networks infrastructure operations	
Real time tracking between VM and its network location	

TECHNICAL COMPLIANCE SHEET

Section: D DC Environment Monitoring Watchdog

REQUIRED SPECIFICATION	COMPLIANCE (YES / NO)
On-board Sensors	
Temperature: -22 to 185 °F (-30 to 85 °C), +/- 0.5 °C	
Humidity: 0 to 100%, +/- 5%	
Air Flow: 0 to 99 (relative value)	
Light: Ambient light level	
Sound: Average sound level	
Remote Sensor Support	
Digital Sensor: 5 ports (expandable to 16 with splitters)	
Analog Sensor: 3 inputs (contact closure, 0-5 VDC)	
Physical: 19" Rack-mount, 1-U space (17" wide with two 1" brackets, total of 19" wide, 1.5" high and 1 5/8" deep).	
Power: 6VDC (supplied wall transformer)	
Ethernet: 10/100 Mbps, RJ-45 receptacle	
Real Time Clock (RTC) with power backup	
Reset push-button: restores factory defaults	
LCD Display with scrolling text	
Built-in Audible Alarm	
HTTP / HTTPS: web access	
Web interface: 4 styles to choose from	
Access-control: 3 access levels (view, control, admin)	
Alarms: high/low values, multiple thresholds per sensor	
ESMTP / POP3: email alerts, ESMTP / POP3 auth	
SNMP (v1, v2c, v3): Gets, Trap and Clear alerts, MIB	
XML: meta-tagged sensor values, alarms, config	
Syslog: send debug messages to Syslog server	
Warranty: 1 Year (extended warranties available)	



**NATIONAL CENTRE OF EXCELLENCE IN GEOLOGY
UNIVERSITY OF PESHAWAR**

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Web: <http://nceg.upesh.edu.pk/>

Bidders are required to provide a comprehensive solution both in terms of efficiency, utilization and economic as well.

Note:

1. Please note that system/supply should be completed in all respect in terms of hardware, software and accessories/spare parts. Any deficiency in acquisition of desired results at the time of installation and subsequent functioning will be the responsibility of the supplying firm/company, without any additional cost. All the supply should be based on National Centre of Excellence in Geology University of Peshawar.
2. Please provide individual item prices (wherever possible) for item-wise comparison
3. The Equipments of which specifications are not given above, the suppliers are requested to quote all the models, which they can supply.
4. Submission of Data/Fact sheets, explaining the function and specification, of each equipment quoted is necessary.
5. The quotes should include all the accessories needed for the proper functioning of each equipment for the given task. The successful tenders will have to accept / abide by all the responsibilities regarding installation and proper functioning of the equipments and training to the end user.
6. Installation, commissioning and training of the end users on these systems will be responsibility of the supplier. The contract shall be liable to be cancellation if the supplier does not meet this condition.
7. The tender Rate shall be item wise. And rate will be on both **FOR basis in Pak Rupees and C&F basis Peshawar Air Port/NCE in Geology Premises.**
8. The bidders shall have to provide a certificate from the principle vendor a certificate that all the equipments are according to ASTM standards.
9. The cost should be inclusive of all the taxes as admissible as per rules.
10. **The specifications of the items where appropriate are given in this tender document. However, firms are encouraged to quote also the better quality items, if available in the market.**