

Government of India
Ministry of External Affairs
Development Partnership Administration
(DPA-II)

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No. DP/231/19/2008/ECUADOR

Dated: 19th July, 2013

Tender Document

Sealed project proposal are invited from leading Indian IT Companies for setting up an IT Centre for Training in ECUADOR as per the following schedule. The Tender document is attached. The tender document can also be collected as a hard copy from the below mentioned office if required on payment of Rs. 1000/- (non-refundable) in the form of a Demand Draft in favour of Pay & Account Officer, Ministry of External Affairs, New Delhi. In case the tender document is downloaded, the sum of Rs. 1000/- in the form of a Demand Draft may be enclosed with the bid.

Under Secretary (DP)
Ministry of External Affairs
Room No. 2107, B-Block,
Jawaharlal Nehru Bhawan,
Janpath, New Delhi – 110001
Tel No.: +91-11- 4901- 5391
Fax No.: +91-11- 4901- 5421
E-mail: usdp@mea.gov.in

2. Firm Overview:

A. Please provide a brief summary and history of your firm, including year of inception, ownership structure, affiliated and subsidiary companies and relationships, joint venture, business partners, annual turn over and scope of services offered. Also indicate which office would service the client.

B. Please describe any significant developments affecting the firm in the last five years, such as changes in ownership, re-structuring, personnel reorganization etc.

3. Broad parameters of the project:

(A) Government of India intends to set up an IT Centre for Training which would have two class rooms for 25 students each for which the host government would be providing the following at their cost:

- (i) Requisite physical infrastructure including civil and electrical works, proper AC power sockets in rooms, water supply and furniture.
- (ii) Day to day management and running expenditure of the IT centre.
- (iii) Necessary technical support and administrative staff.
- (iv) Security of the premises.

- (v) Exemptions from customs and other applicable taxes insofar import of equipment from India or third country is concerned in connection with setting up IT Centre.
- (vi) Exemption from paying any taxes etc. for Indian personnel deputed in connection with setting/running up of the IT Centre.

(B) The scope of work for this project is categorized into four parts viz.

- (i) Supply of Hardware/Software including their installation and commissioning.
- (ii) Supply of courseware Books.
- (iii) Three trained trainers (faculty) for a period of two years.
- (iv) Supply of course-ware kits containing, notebooks, CDs, Media and other customised training material as required.
- (v) Operational Charges for training of 2 years.

(C) The following would be the responsibility of the vendor:

- (i) Supply of equipments as per specifications ("Schedule of Requirements"- Annexure - 2) for classrooms as well as for faculty of members.
- (ii) Supply of books for the courses as detailed in the tender document for training potential of 600 students in a year.
- (iii) Provision of three trainers having good academic background with B.E/ B.Tech/ MCA/ M.Sc (Computers or IT) having 3-5 years experience. The trainer should be on company rolls for at least last 1 year and should be certified on at least one relevant technology platforms viz. Microsoft, Cisco, Oracle and Linux etc. Preference shall be given to Indian trainers.
- (iv) After the completion of the project i.e. setting up of IT Centre as well as training for a period of two years, the centre will be handed over to the host government.
- (v) Selection of the students would be decided by mutual consultation of the nodal agency of the host government and Indian Mission/ implementing agency from Indian side.
- (vi) The books will be property of the host government after the handing over of the IT centre to them. If any propriety course material is provided along with the prescribed books, the appropriate rights need to be transferred to host government to use them, including copying.

4. Terms and Conditions of Bids:

The two bid system will be followed for this tender. In this system bidder must submit his offer in two separate sealed envelopes as explained viz. 'Technical Bid' and 'Commercial Bid'. Commercial bid of those bidders, who do not qualify the technical bid, would not be opened.

A) Earnest Money:

Earnest Money of Rs. 5.00 Lakh (Rupees Five Lakh only) in the form of D/D or Bank Guarantee in favour of **Pay & Accounts Officer, Ministry of External Affairs, New Delhi** has to be submitted along with the commercial bid. The EMD will be returned to bidder(s) whose offer is not accepted by MEA at the earliest. Bids submitted without EMD will stand rejected. EMD will not be accepted in the form of cash/cheque/FDR or any other form except DD/BG. No interest shall be payable on EMD.

B) Technical Bid: (Envelope No. 1)

“Technical Bid” shall contain:

- a. Duly filled Technical Bid with proper seal and signature of authorized person on each page of the bid submitted.
- b. The detailed technical datasheets (brochures), make & model, part number and compliance to the Schedule of Requirement for which bid is submitted **Annexure - 2**.
- c. Self Attested copy of VAT Registration certificate, as applicable.
- d. A copy of Certificate of incorporation, Partnership deed/Memorandum and Article of Association as applicable.
- e. The installation and warranty services are required at ECUADOR on CIF basis. The bidder must provide the plan/arrangement, for installation and warranty service to be provided at site. The bidders should have their own branch office/service centre at ECUADOR on CIF basis. However, if the bidder plans to provide service through local dealer/service provider at ECUADOR on CIF basis, an **Undertaking** to this effect should be submitted along with the technical bid. The details name, address, contact person, telephone/Fax, email etc should be provided along with an undertaking from the local dealer/service provider, before the placement of purchase order (If applicable).
- f. Bidder must be ISO certified in IT training field.
- g. The bidder should have experience of setting of at least one IT Centre involving training also, of value not less than Rs. 4 crores or two IT Centres involving training also, of value not less than Rs.3 crores each. **The bidder must have executed at least one such project overseas**. The bidder should have average annual turnover of at least Rs. 4 crores for last two financial years.
- h. The soft copy of Technical Bid (.doc/.xls format) in a CDR .
- i. Undertaking to the effect that a security deposit of 10% of the order value will be submitted in case MEA decides to place the Purchase Order.
- j. Other related documents as mentioned in tender document but not listed here.

- k. Educational qualification of trainers & Network/Hardware support Engineers. Please submit resume of the persons to be deployed as trainers.
- l. Schedule of training programs.
- m. Manufacturer's authorization (ink Signed) for major components like PCs, Servers, Router, Switches, KVM Switches, UPS, Scanner and Printers etc **Annexure - 1**.
- n. Technical compliance statement should be provided based on the specifications mentioned in the tender document.
- o. Earnest Money of Rs.5.00 Lakh in the form of DD or Bank Guarantee only in favour of **Pay & Account Officer, Ministry Of External Affairs, New Delhi** as mentioned in 4(A).
- p. Bidder should ensure through **undertaking** that all hardware and software should be legally valid for use in the **host country** and shall be in name of the IT Centre (at host country) and **sourced in India**.

C). Commercial Bid: (Envelope No. 2)

Commercial bid should contain:

The bidders would give the commercial bid for the hardware and software for 2 X 25 each-seater centre with 3 trainers (2 English; 1 Spanish). Price schedule for 2 years of operation (1st and 2nd year IT Training) may also be quoted.

5. Date of pre-bid meeting, submission of bids and opening of the technical bids:

Event	Date	Time
Pre-bid meeting	07.08.2013	1100 hrs
Last Date for Submission of Bids (Technical and Commercial)	19.8.2013	1430 hrs
Opening of Technical Bids	20.8.2013	1530 hrs

Bidder(s) whose technical bid is found to be acceptable and meeting the eligibility requirements as specified in this tender will be informed about the date and time of the opening of the commercial bid.

Note: Please do not put "Commercial Bid" (prices quoted) in the technical bid envelope. If the price quoted is submitted with technical bid the tender will be rejected.

Both the technical bid and commercial bid envelopes should be sealed separately and clearly marked as "Envelope no. 1- Technical Bid" and "Envelope no. 2- Commercial Bid" both the sealed envelopes should be placed in third larger envelope clearly mentioning "Technical Bid & Commercial Bid" for Setting up an IT Centre in Republic of ECUADOR and addressed to:

Under Secretary (DP)
Ministry of External Affairs,
Room No. 2107, B-Block
Jawaharlal Nehru Bhawan,
Janpath, New Delhi – 110001

The bid can be submitted in person or through post/courier (MEA shall not be responsible for any postal delays resulting in disqualification/rejection of any bid) so as to reach on or before the date mentioned above. Please write the tender number on each envelope and seal all the envelopes.

6. INSTRUCTIONS TO BIDDERS (ITB)

6.1 Delivery period / Timelines

The required equipments and related software has to be shipped by air within **10** weeks to the destination air port (Capital of the Country) from the date of signing of agreement for setting up of the IT Training Center with the implementing agency. The time is the essence of this contract. It is mandatory for the bidders who respond to this bid to meet these expectations, as these are tightly linked to the host country to completing the project within the available time frame. **The selected bidder, who would be awarded the contract, would set up the IT centre in all respect within 4 months from the date of signing of the agreement, with all facilities in place.** Any issues pertaining to the completion of responsibilities by the host Govt. shall be intimated immediately in writing to US (DP) to take necessary actions.

6.2. Locations for the Supply, Installation & Warranty Services

The equipments (Hardware & Software), Books and courseware have to be supplied at the destination air port (Capital of the Country). Custom clearance and further delivery to the site shall be handled by the host government.

The Hardware, software, servers, courseware books & Kits and other equipment required for setting up and management of the IT Centre at the site are required to be installed at the site of the proposed IT Centre, as given by the host government.

Warranty period of **Three** years for all equipments including hardware, servers and Network, software (if Any) should be given in the bid.

6.3. Amendment of Bidding Documents

- 6.3.1 At any time prior to the deadline for submission of bids, MEA may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.
- 6.3.2 All prospective bidders who have purchased the bidding document will be notified of the amendment in writing, and such amendments / modifications will be binding on them.
- 6.3.3 MEA at its discretion may extend the deadline for the submission of bids if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into the consideration the amendments while preparing their bids.

7. Acceptance of Contract Order:

- 7.1. The successful bidder, on award of contract / order, must send the contract/ order acceptance in writing, within 7 days of award of contract/ order, failing which the EMD will be forfeited and the order will be placed to the next successful bidder.
- 7.2. The EMD shall be forfeited:
 - (i) If the bidder withdraws the bid during the period of bid validity specified in the tender.
 - (ii) If the bidder fails to furnish the acceptance in writing, within 7 days of award of Contract / Order.

8. Period of validity of bids:

- 8.1 Bids shall be valid for minimum 90 days from the date of submission. A bid valid for a shorter period shall stand rejected.
- 8.2 MEA may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid.

9. Deadline for Submission of Bids:

The Bid shall be neatly arranged, plain and intelligible. Each page of the bid should be signed. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. The conditional bid will be summarily rejected. Insertions, postscripts, additions and alterations shall not be recognized, unless confirmed by bidder's signature.

- 9.1 Bids must be received by MEA before the due date and time at the address specified in the tender document. In the event of the specified date for the submission of bids being declared as a holiday for MEA, the bid-closing deadline will stand extended to the next working day up to the same time.
- 9.2. MEA may, extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified in the media.
- 93. Any bid inadvertently received by MEA after the deadline for submission of bids, will not be accepted and returned unopened to the bidder.

10. Award of contract and criteria

- 10.1. MEA shall award the contract to the lowest commercial bidder after short listing the bidders through technical bid compliance.
- 10.2. The bidder has to quote for all the items as mentioned in the tender document. The bidder is not allowed to quote for selected items of the part and must quote for all the items in that part.
- 10.3. If more than one bidder happens to quote the same lowest price, MEA reserves the right to split the order and award the contract to more than one bidder.

11. Purchaser's Right to amend Scope of Work:

If, for any unforeseen reasons, MEA is required to change the Scope of Supply, this change shall be acceptable to the bidder without change in the unit price quoted.

12. Corrupt or Fraudulent Practices.

- 12.1 MEA requires that the bidders who wish to bid for this project have highest standards of ethics.
- 12.2. MEA will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract
- 12.3. MEA may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.

13. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity/ dispute in the interpretation of any of the clauses in this Tender Document, MEA's interpretation of the clauses shall be final and binding on all parties.

14. Special Conditions of Contract (SCC)

14.1 The price quoted shall be considered firm and no price escalation will be permitted.

14.2 Bidders must quote the price in the format given in Price Schedule of this document.

14.3 Bidders must quote the price in Indian Rupees only.

14.4 Bidders shall arrange to dispatch the required equipments as explained above at the destination airport (capital of the country) at their own cost and also arrange its installations at the project site.

14.5 Bidders shall ensure proper transit insurance of the goods to prevent their damage or deterioration.

14.6 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. Packing case size and weights shall take into consideration, where appropriate, and the remoteness of the goods final destination and the absence of heavy handling facilities at all point in transit. However risk in good shall continue with supplier till goods are delivered at the airport.

14.7 MEA will not entertain any claim of bidder(s) on account of any damage of the equipments etc. for its dispatch at any transit point or at its final destination.

15. Bank Guarantee (Performance Guarantee):

The successful bidder will have to deposit a bank guarantee equivalent to 10% of the total project valid for three years or 3 months after the date of completion of the project whichever is later. The date of PG may be taken from the date of setting up the IT Centre.

16. Payment Terms:

16.1 Payment will be made in Indian Rupees as per the following schedule: -

16.2 10% of the cost of setting of IT Training Centre as advance within 45 days of the signing of the agreement against submission of the Bank Guarantee of the equivalent amount from a nationalized bank;

16.3 70% of the cost of setting up IT training centre will be paid after setting up of IT Centre and obtaining of certificate from our Mission.

16.4 50% of the total cost of Kits and Books and 50% cost of the operational and trainers charges for first year at the beginning of the training to the students in the first year and delivery of kits and books required for the year.

16.5 10% of the cost of setting of IT Training Centre, 50% cost of the operational and trainers charges of the first year, 40% of the total cost of Kit and Books and 50% of the cost of operational and trainers charges for the second year, at the time of beginning of the second year of the training and delivery of kits and books required for the year.

16.6 Balance 10% of the cost of setting IT Training Centre, 10% of the total cost of Kits and Books and 50% cost of operational and trainers charges for the second year, after completion of training in second year.

17. Liquidatory Damages:

If there is delay in set up of the IT training centre beyond the stipulated time frame of 4 months, a penalty of 0.5% per week, subject to a total of 5% of the project set up cost would be levied upon the vendor.

If reasons for delay are not directly attributable to the vendor, Ministry may consider granting extension of time.

However, Delays due to customs clearance at destination airport should be indicated beforehand to the Ministry for help from the mission in expediting the same.

18 Warranty:

The hardware/software supplied by the vendor shall be subject to warranty period of 3 (Three) years, along with the vendor ensuring full and complete maintenance of the same for the entire project period (till handing over the same to the Government of Ecuador).

These goods shall be delivered at the proposed centre without any further financial obligation on the part of this Ministry.

19. Taxes and Duties:

The basic prices and applicable taxes should be mentioned separately, the exact rates of taxes applicable, if any, as on the date of quoting must be mentioned. No concessional tax form will be given by MEA.

20. Force Majeure:

MEA may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the Contract is the result of an Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at the bidder premises or in the country where IT Centre is to be set up.

21. Arbitration:

This agreement is based on both the immediate benefits and on developing and building enduring relationships serving and safeguarding the technical and commercial interests of the Parties hereto. Hence any question, doubt or dispute arising out of the interpretation of any term or usage herein or on the implementation and functioning of the various understandings forming a part of this agreement shall be resolved by the heads of the two organisations or their authorised representatives for the purpose mentioned herein by discussions and negotiations based on consensus in the spirit of developing and strengthening the mutual relationships.

Parties to the contract, in case of a dispute arising out of or in connection with this contract, or in respect of any defined legal relationship associated therewith or derived therefrom; not resolved as per above clauses; shall agree to submit that dispute to arbitration under the ICADR, Arbitration Rules, 1996.

The authority to appoint the arbitrator(s) shall be the International Centre for Alternate Dispute Resolution, New Delhi.

The International Centre for Alternate Dispute Resolution, Ministry of Law, Govt of India, will provide administrative services in accordance with the ICADR Arbitration Rules, 1996.

- a) The number of arbitrators shall be one.
- b) The language of the arbitration proceedings shall be English.
- c) The place of arbitration proceeding shall be New Delhi.

Schedule of Requirements

Sr. No.	Item Description	Quantity
A.	Desk top Computers with LCDs	55
B.	Servers (Rack Base)	4
C.	Other equipments	As per Spec.
D.	KVM Switch	1
E.	Networking Switch (core)	1
F.	Networking Switch (Edge)	5
G.	Firewall	1
H.	Router	1

I.	Scanner With ADF	3
J.	Multifunction Printer	1
K.	Laser Jet printer	3
L.	LCD Projector	2
M.	Software's	As per spec.
N.	Passive Components	As per spec.
O.	Installation of LAN components	As per spec.
P.	UPS 1 KVA	55
Q.	UPS 5 KVA	3
R.	Rack 42 U with rack kit & International Socket PDUs	1
S.	Interactive White Board with Stand	2

ANNEXURE - 1

MANUFACTURER AUTHORISATION FORMAT

Date: DD/MM/YYYY

To

Under Secretary (DP)
Ministry Of External Affairs
Room No.2107, B-Block,
Jawaharlal Nehru Bhavan,
Janpath, New Delhi – 110001

Subject: Manufacturer authorization against Tender No. DP/231/13/2011/ECUADOR for supply, installation, testing & commissioning of computers & accessories at Republic of ECUADOR.

Dear Sir,

We, M/s _____ (Name of the manufacturer) having registered office at _____(Address of the manufacturer) hereby virtue of being manufacturer for _____ (Name of Products), hereby authorize M/s _____(Name of the bidder) having their office at _____(Address of bidder) to submit quote, negotiate, supply, install and provide after sales support for our range of products quoted by them to meet the above mentioned tender requirements at Republic of ECUADOR,

M/s _____(Name of the manufacturer) within the scope of requirement as per the tender mentioned above through its authorized partner M/s _____(Name of of the bidder) shall provide support & product warranty services for a minimum period of 3 years from the date of supply.

The undersigned is authorized to issue such authorization on behalf of M/s _____ (Name of manufacturer)

For M/s _____(Name of the manufacturer)

Signature & Company Seal.

Name:

Designation:

E-mail:

Mobile No:

ANNEXURE - 2

TECHNICAL SPECIFICATIONS FOR COMPLIANCE

(Detailed Technical Brochure of an OEM confirming the below or higher specification should be attached in compliance with technical bid)

Sl. No.	Items	Technical Specifications
A. Desktop Computers:		Quantity: 55 (Fifty Five)
1.	Processor	Minimum: Intel Core i5-3570 Processor Up to 3.8 GHz Max. Turbo Frequency (3.4 GHz base frequency), 4 cores, 4 thread, or higher
2.	Cache	Minimum 6 MB cache
3.	Chipset	Latest Intel Q77 Express chipset or higher
4.	Motherboard	Motherboard should be FCC certified and ROHS compliant
5.	Memory	Minimum 4GB DDR3 expandable up to 32 GB memory or higher.
6.	Hard Disk Drive	Minimum 500 GB 7200 rpm, SATA Hard Drive or higher & supporting multiple hard disk drives capable of RAID configurations
7.	Optical Drive	DVD RW Drive (OEM of same PC make).
8.	Graphics	Integrated Intel HD Graphics 2500 or higher
9.	Slots	Minimum: (3) full-length PCI, (1) PCI Express x1, and (2) PCI Express x16 graphics
10	Audio Integrated	High Definition audio Ethernet
11.	Gigabit Network	Integrated on system board or higher
12.	Keyboard & Mouse	Keyboard & Optical Mouse (From OEM of same PC make)
13.	Ports	Minimum 8 USB or Higher, 1 Serial, 1 Mic, 1 headphone, 1 Audio Line Out, 1 Power Connector, 1 Rj-45/Ethernet
14.	Power Supply	Minimum: 320W standard efficiency or 90% high efficiency Power Supply
15.	Security	Trusted Platform Module 1.2, Device Lock, RAID Configuration, Serial, Parallel, USB enable/disable (via BIOS), Power on Password, Set up Password (VIA BIOS), Option for Support for Chassis Padlock
15.	Monitor	18.5" LED/TFT or higher (from OEM of same PC Make)
16	Operating	Microsoft Windows 7 (Professional 64 Bit Edition) or

	System	higher
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S. No.	Items	Technical Specifications
B. Servers		Quantity: 04 (Four)
1.	Processor	Minimum: Intel Xeon E5-2620 (2.0GHz Six –core) or higher
2.	Cache	Minimum 15 MB Level 3 Cache
4.	Chipset	Latest Intel C600 Series Chipset or higher or equivalent
5.	Memory	Minimum 8 GB and expandable to 384GB or higher
6.	RAID Controllers	Dual Channel RAID Controller with 256 MB Cache for RAID 5 with battery back up
7.	Ethernet	Minimum: Ethernet 1Gb 4-port or higher
8.	Slots	Minimum: 3 PCIe slots or higher
9.	USB Ports	Minimum 5 USB Ports, 2 Video, 1 Graphic, 1 Serial port
10.	Power Supply	Redundant Power Supply of at least 460 W (94% Efficient) or Higher
11.	FAN	Hot-Swap (2+2) Redundant FAN with N+1 redundancy standard
12.	Additional Features & Security	Remote management, Asset Tracking including serial numbers of the servers & sub-components
13.	Optical Drive	DVD RW or Higher (from same OEM of Server make)
14.	Form Factor	Rack based (at least 2U or higher)
15.	Industry Standard Compliance	Minimum: ACPI 2.0b Compliant, PCIe 3.0 Compliant, PXE Support, WOL Support, Microsoft Logo certifications, USB 2.0 Compliant, etc.
16.	Monitor (Rack based)	17" LCD/TFT or higher Rack Based Monitor with inbuilt KBD & Mouse (from Same OEM of Server Make) – Qty 1 no.
17.	HDD	3 x 300 GB SAS or higher HDD capacity.
18.	OS Support	Server should support various Operating Systems such as Windows Server, RHEL, SLES, Oracle, VM Ware, Citrix Xen Server .

C. Other Equipments

S. No.	Items	Technical Specifications
1.	Tape Library Interface	One LT05 tape drive in rack mount configuration 5 tape media. The Tape drive should support data rate matching and server control for uniform writing. One Ultra 320 SCSI(LVDS) with minimum support For 800 GB data cartridge.

2.	Back up software	Back up of the Oracle 11g database server through the LAN. The tape drive should be connected to the separate backup server. The backup software must support LAN based or LAN free backup. Backup should be agents based with one management server and distributed client agents. The licensing should be unlimited number of back agents. The back up software should support online backup and recovery. The backup should be supplied with 1 drive license. The back up management should be done through a window-based server. The backup software should be supplied with backup agents for Oracle 11g.
D.	KVM switch	8-port standard KVM switch or Higher with Minimum 3 + 2 additional Cable Set.
E.	Networking Switch (Core)	Quantity : 01(One) 24 Ports 10/100/1000 Ethernet Switch
Switch shall have 24 X 10/100/1000 Base T PoE+ (4 Combo SFP included) or above , 2 Expansion slot for 10G, Stackable port number:2 /4(slot),Stacking bandwidth upto 40G(48G) per switch and aggregate 80G(96G); stack 8 switch, 144 Gbps Switching Capacity, Minimum: 107.2 Mpps, Minimum: 32K MAC Address Table Size, Supports Layer 4 traffic filtering IPV6 ACL, 802.1x,Mac based authentication, secure FTP, Guest supports VACL, Layer 4 traffic filtering IPV6 ACL,802.1x, Mac based authentication, secure FTP, Guest Vlan, DHCP and protection, Dynamic arp, Protection lan, DHCP and STP BPDU protection, Dynamic arp Protection, Minimum: 4000 VLANS or higher Minimum 2MB Packet Buffer.		
F.	Networking Switch (Edge)	Quantity: 05(Five)
Edge Switch should have 24 X 10/100/1000 Base T PoE+ (4 Combo SFP included) or above , 2 Expansion slot for 10G, 144 Gbps Switching Capacity, Minimum: 107.2 Mpps, Minimum: 32K MAC Address Table Size, Supports Layer 4 traffic filtering IPV6 ACL, 802.1x,Mac based authentication, secure FTP, Guest supports VACL, Layer 4 traffic filtering IPV6 ACL,802.1x, Mac based authentication, secure FTP, Guest Vlan, DHCP and protection, Dynamic arp, Protection lan, DHCP and STP BPDU protection, Dynamic arp Protection, Minimum: 4000 VLANS or higher Minimum 2MB Packet Buffer.		
G.	Firewall	Quantity: 01(One)
Should have minimum: 4 x 10/100/1000baseT ports scalable to 8 GE ports, Firewall: Firewall: Packet filtering, ASPF, Attack Defense features, Defence against illegal attached, Control over ICMP redirection or unreachable packets, over Tracert packets and over IP packets with route record option, Static & Dynamic blacklist, Transparent firewall, Email filtering, Web Filtering, Memory: 1		

Gbps scalable to 2 Gbps, Flash: 256Mbps scalable to 1Gbps, AC redundant power supply, Firewall Throughput: Should support 6.5 Gbps or better, Concurrent Connections: Should support 1500K or better, Connection / Sec: Should support 50K or better, 3DES Encryption performance: Should support 1.5 Gbps or better, L2 Feature Support: VLAN protocol support, PPPoE, RIP, RIP2, OSPFv2, BGP4, VRRP, CAR PPPoE, Packet filtering, ASPF, Attack Defense features, Defence against illegal attached, Control over ICMP redirection or unreachable packets, over Tracert packets and over IP packets with route record option, Static & Dynamic blacklist, Transparent firewall, Email filtering, Web Filtering, Telnet, Ftp, Web, SNMP, RMON, NTP, Syslog, Management: Telnet, Ftp, Web, SNMP, RMON, NTP, Syslog, Support Redundant Power Supply

H.	Router	Quantity:	1
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Router modular chassis should have 4 Open FIC slot,1 MPU slot(4 SIC slot + 2 Combo SFP),1MSM slot; Packet forwarding up to 800 KBPS, Minimum: 256MB Flash scalable, Minimum: 1GB DDR SDRAM, 4-port Serial Network Module(2Mbps Max), 1 Port ISDN Module - 1, AC Power supply - 1, Router Shall support an external Redundant power supply, Power Cord.

I.	Scanner with ADF	Quantity:	3
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Sl.No.	Item	Technical Specifications
1.	Optical Scanning Resolution	Up to 2400 dpi
2.	Hardware scanning resolution	Up to 2400 x 2400 dpi
3.	Standard connectivity	Hi-Speed USB-Compatible with USB 2.0 specifications

J.	Multifunction Printer	Quantity:	1
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1.	Print speed black (normal, A4)	Up to 35 PPM,
2.	Duty cycle (monthly, A4)	Up to 50000 Pages
3.	Print technology	Monochrome laser
4.	Print quality black	1200 x 1200 dpi (monochrome)
5.	Paper handling standard/input	250-sheet media input tray, 50-sheet Automatic Document Feeder (ADF)
6.	Paper handling standard/output	Up to 150-sheet output bin, Up to 10 envelopes, Up to 75 Sheets transparencies
7.	Duplex print options	Automatic (Standard)
8.	Standard memory	Minimum: 256MB
9.	Standard printer languages	PCL 5e, PCL 6, Postscript level 3 emulation, direct PDF (v1.7) printing
10.	Scanner Specifications	Scanner Specification
11.	Scan type	Flatbed, ADF
12.	Optical scanning	Up to 1200 dpi (monochrome)

	resolution	
13.	Scanning Resolution	Up to 1200 dpi (Enhanced), Up to 1200 x 1200 Dpi (Monochrome), Up to 600 x 600 Dpi (Color),
14.	Auto document feeder capacity	Standard, 50 Pages with dual head scanner
15.	Copy Speed (Letter, A4)	Black: Up to 35 PPM (Letter)
K. Laser Jet Printer Quantity : 3		
1.	Print speed black (normal, A4)	35 PPM or higher A4 Black
2.	Print quality black (best)	1200 x 1200 dpi or higher
3.	Print technology	Monochrome Laser
4.	Duty cycle (monthly, A4)	Up to 50000 pages or higher
5.	Standard memory	Minimum: 256 MB
6.	Processor speed	800 MHz
7.	Standard printer languages	PCL 5e, PCL 6, Postscript Level 3 emulation, direct PDF (v 1.7) printing
8.	Standard paper trays	2
9.	Paper handling input / output	150-Sheet Output Bin, Integrated Duplex,
10.	Duplex print options	Automatic (Standard)
11.	Media sizes supported	Minimum: A4; A5; A6; B5 (JIS)
12.	Media Types Supported	Paper (plain, Green mode, light, heavy, bond, color, letterhead, preprinted, pre punched, recycled, rough); envelopes; labels; transparencies, cardstock
13.	Standard connectivity	Hi-Speed USB 2.0 port, Fast Ethernet embedded print server
L. LCD Projector Quantity: 2		
1.	Technology	LCD
2.	LCD Size	0.55 inch
3.	Projection Lens (F-Number)	1.44
4.	Focal Length	16.7 mm
5.	Zoom Ratio	1 - 1.35
6.	Lamp Type	200 W UHE (E-TORL)
7.	White Light Output	Minimum 2600lms
8.	Colour Light Output	Minimum 2600lms
9.	Throw Ratio	1.45 - 1.96
10.	Resolution	SVGA
11.	Lamp life	Minimum 5000 Hrs
12.	Contrast Ratio	Minimum: 3000:1
13.	Sound output	Minimum 1W

14.	Required Connectivity	Minimum: D sub 15 pin x 1, S video
15.	USB Display 3 in 1	Should allow image, control and sound transmission from computer to projector via simple USB cable.
M. Licensed Software (Academic in Nature) with 1 Year Upgrade support.		
1.	(i) Windows Svr Std 2012 R2 Sngl OLPX 64 bit – 4 Users (ii) Window Server CAL 2012 Sngl OLPX 64 bit Device CAL 55 Users (iii) SQL Svr Std Edtn 2012 Win 32 Sngl OLPX 64 bit –4 Users (iv) SQL CAL 2012 Sngl OLP User CAL – 55 Users (v) Visual Studio Pro 2012 Sngl OLPX 64 bit -55 Users (vi) ISA Server Ent Edtn 2012 sngl OLPX 64 bit –1 (vii) Office Professional Plus 2012 Sngl OLPX64 bit – 55 users (viii) Oracle 11g Standard Edition (2 CPU) ---1 (ix) Oracle 11g Standard Edition Media and ATS for 1 year -1 (x) Red Hat Enterprise Linux ES (Latest Version) ---1 (xi) JDK 1.5 or latest ---- 55 Users (xii) Latest Anti Virus for PCs –55 users (xiii) Latest Anti Virus for Servers – 4 (xiv) Open Office Suit (Latest Free Version) -55 Users (xv) PHP & MySQL (Latest Free Version) -55 Users	
<i>License Software in the name of the IT Centre (at host country) on account of MEA.</i>		
N. Passive Components		
	CAT 6 Cable (box of 305 Mts) ---12 boxes I/O with SMB --- 85 Jack Panel (24 Ports ---4 UTP Patch Cords (3 Ft)--- 85 UTP Patch Cords (7 Ft) ---85 Networking Racks 12U with front glass door, cable manager fan, AC distribution box ---4	
O. Installation of LAN		
	Supply & Installation of PVC Conduit, Baton, Flexi (1"X2")—2000 Mts Mounting & fixing of Networking 12U Racks— 4 Fixing of Networking 42 U Rack – 2 Nos Mounting & fixing of jack Panels ---4 Fixing of I/O ----75 Documentation ---Lump sum	
P. Interactive White Board with Stand ---- Two		
	Dimension without stand (WxHxD)	Minimum 1340 x 1752 x 89 mm

	Panel Dimension (W x H)	Minimum 1175 x 1692 mm
	Effective Area	Minimum 1165 x 1502 mm
	Surface	PET coated metal plate
	Interactive Function	USB 2.0
	Position Sensor	Ultrasonic receiver & infrared rays sensor
	System Interface Requirement	Any PC with USB ports
	Accessories	Electronic Pen, Operating Instruction with installation manual, Batteries, USB Cable, Software CD-ROM, Wall Mounting Kit & stand for room
Q.	UPS 1 KVA	(Qty 55 Nos) 1.0 KVA Line Interactive UPS with AVR for 160 V - 280 V Single Phase Input with Plug & Play operation, Single PCB Design. Internal Batteries for minimum 15 minutes Backup time.
R.	UPS 5 KVA	(Qty 3 Nos) 5 KVA High Frequency IGBT based True Online UPS with double concern with inbuilt Isolation transformer. LED Display for input / output parameters and low battery / Overload. Minimum 120 Minutes Backup Time using 12V SMF Batteries + batteries rack & interconnecting battery cables.
S.	Rack 42 U with rack kit & International Socket PDUs (For Servers & Storage)	(Qty 02 Nos)

PLEASE MENTION THE OFFERED SPECIFICATIONS CLEARLY. IN CASE, THE OFFERED SPECIFICATIONS ARE DIFFERENT (i.e. HIGHER) FROM THE ONES MENTIONED IN THE TENDER SPECIFICATIONS ABOVE. IN ALL OTHER CASES YOU CAN MENTION 'COMPLIED'. IN CASE IT IS FOUND THAT THE SPECIFICATIONS MENTIONED ARE NOT COMPLIANT AFTER VERIFICATION FROM THE DATASHEETS PROVIDED, THE PROPOSAL SHALL BE AUTOMATICALLY REJECTED.

ANNEXURE - 3

Courses for IT Centre Republic of EQUADOR

Sl. No	Description of courses	Modules	Duration (Hour's)
Basic Courses			
1.	Developing Web Site	IN3- Web content Development -32 Hrs IN1- Developing Web Based Applications using PHP or .net - 64 Hrs	96
2.	Operating Systems-Basic Linux	IN9- Installing managing trouble shooting Windows 7 or UBANTU – 32 Hrs W/N-TCP/IP fundamentals and concept – 16 Hrs W/N-Essentials of Linux Operating System -32 Hrs W/N-Linux System Administration – 64 Hrs	144
3.	Free Software and basic Application	W/E-Fundamental of free software – 32 Hrs W/E-Legal aspects of free software BA1-IT Fundamentals and office productivity tools – 40 hrs	104
4.	Database	IN1-Introduction of relational database – 32 Hrs IN2-Implementing a DB design on SQL server & Postgres SQL – 32 Hrs W/N-Administering database on SQL Server & Postgres SQL – 32 Hrs	96
5.	Developing with Java	IN4-Developing object based application in Java – 32 Hrs W/N-Developing Enterprise wide application using j2EE – 40 Hrs W/N-Developing Enterprise wide Applications using J2EE Web components and Web services – 40 Hrs	112
Specialized courses			
6.	Software Business Processes	IN7-Understanding software business process and SDLC – 32 Hrs IN8-Object Oriented Analysis and Design using UML -32 Hrs	64
7.	Advanced Web Site Design	AM5-Understanding site design methodology & Development – 32 Hrs	64

		IN7-Developing portable Web Application Using XML -32 Hrs	
8.	Advanced topics in Java	W/N-Developing Enterprise Wide Application using EJB – 40 Hrs W/N-Understanding J2EE Architect – 40 Hrs	80
9.	Advanced Linux	W/N-Linux Networking and Security administration – 66 Hrs W/N-Enterprise Directory Services and Authentication – 33 Hrs W/N-Linux Advanced administration and Troubleshooting – 33 Hrs	132
10.	Managing Planning and	W/E- Strategic & Operational Planning- 32Hrs W/E-IT Service Management ITIL-32 Hrs W/E-Project Management – 32 Hrs	96

ANNEXURE - 4

List of the Course books (1200 books to be supplied)

S.No.	Book Name	Author/ Publisher	Publisher	ISBN No.	Qty
Basic Course					
1	Comdex computer course kit (Window vista with office 2007)	Vikas Gupta	Dreamtech Press	978935004055 3	70
2	Fundamentals Of Programming Languages B	Horowitz, Ellis	Galgotia	978817515572 5	50
3	Business Application Using Computers	Ramachandran	BPB	8176567051	50
4	Operating System Concepts, 8/e PB	Silberschatz/ Wiley	Wiley India	978812652051 0	50
5	Computer Networks	Tanenbaum	Pearson	978813170198 0	50
6	PHP: The Complete Reference	Holzner, Steven	TMH	978007022362 2	50
Intermediate Courses					
1	Mastering Database Technologies	Ivan Bayross/ BPB	BPB	8183331300	60
2	Microsoft SQL Server 2008 Administration for Oracle DBAs PB	Anderson M	Tata	978007107441 4	60
3	Database Systems: Concepts, Design & Applications, 1/e PB	Singh, Shio Kumar	Pearson	978817758567 4	50
4	Comdex Multimedia and Web design course kit	Vikas Gupta	Dreamtech	978817722919 6	50
5	Object Oriented Programming in C++ , 4/e PB	Lafore, Robert	Pearson	978813172282 4	80
6	Linux Programming By Example : The Fundamentals, 1/e PB	Arnold, Robbins	Pearson	978818371324 5	50
7	Software Engineering	R K Mal	Scitech	978812033819 7	80
8	XML : The Complete Reference, 1/e PB	Williamson	Tata	978817722128 2	50
9	Object Orient Analysis & Design Using UML 2nd Ed	Srimathi	Scitech	8187328964	50
10	First Course In Computers - Based On Windows XP And Office XP, 2/e PB	Sanjay Saxena	Vikas Publishing	978812593631 2	50
Software Track- Microsoft Courses					

1	VB.NET Developers	Franklin/ Tech Media	Techmedia	8176355666	50
2	ASP.NET 4.0 Unleashed PB	Walther	Pearson	978813175841 0	50
3	Programming In C# - A Primer, 3/e PB	Balagurusamy	Tata	978007070207 3	50
4	Systems Analysis and Design: Techniques, Methodologies, Approaches, and Architectures PB	Chiang,Roger	PHI Learning	978812033883 8	50
5	Java 2 (JDK 5 Edition) Programming Black book	Steven Holzner/ Dreamtech Press	Dreamtech	978817722655 3	50
6	Oops Through Java	V Bhasker	Scitech	978818371088 6	50
				Total	1200

Bidder has to provide the following kits for the Courseware:

Courseware Kits	-do-	As per course	1200
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Remark: The bidder may offer to supply later editions of books, if available.

Annexure – 5

PRICE SCHEDULE

(Tax, viz. Sales tax, service tax, etc. may be shown separately on the items on which it is applicable)

Items	Make & Model	Units	Unit measurement	Unit price without taxes	Amount
				(Rs.)	(Rs.)
Desktop Computers	As per Tender Specification	55	Units		
Servers	-do-	4	Units		
Tape Library	-do-	1	Units		
Interface	-do-	1	Units		
Backup software	-do-	1	Units		
KVM switch	-do-	1	Units		
Networking Core Switch	-do-	1	Units		
Networking Edge switch	-do-	5	Units		
Firewall	-do-	1	Units		
Router	-do-	1	Units		
Scanner	-do-	3	Units		
Multi-function printer	-do-	1	units		
Laser jet printer	-do-	3	units		
LCD projector	-do-	2	units		
Licensed Software					
Windows Server Standard 2012 R2 Single OLP 64-bit, (AE)	-do-	3	units		
Windows Server CAL, AE	-do-	55	units		
SQL Server Standard Edition 2012 Win 32 Single OLP 64-bit, AE	-do-	3	units		
SQL CAL 2012 Sngl OLP	-do-	55	units		
Visual Studio Pro 2012 Single OLP 64-bit, AE	-do-	55	units		
ISA Server Edition 2012 Single OLP 64-bit AE	-do-	1	units		
Office Professional	-do-	55	units		

Plus 2012 Single OLP 64-bit, AE					
Oracle 11g Standard Edition (2 CPU)	-do-	1	units		
Oracle 11g Standard Edition media and ATS for 1 year	-do-	1	units		
Red Hat Enterprise Linux ES (latest)	-do-	1	units		
JDK 1.5 or lastest	-do-	55	units		
Latest Anti-virus for PCs	-do-	55	units		
Latest Anti-virus for servers	-do-	4	units		
Passive components					
CAT-6 cable (box of 305 mts.)	-do-	12	units		
I/O with SMB	-do-	85	units		
Jack Panel 24-port	-do-	4	units		
UTP patch cords 1 m	-do-	85	units		
UTP patch cords 2 m	-do-	85	units		
Networking racks 12U with front glass door, cable manager fan, AC distribution box	-do-	4	units		
Rack 42 U with rack kit & international socket PDUs	-do-	1	units		
Interactive White Board with stand		2	units		
UPS 1 KVA Offline with 15 minutes backup	-do-	55	units		
UPS 5 KVA Online with 120 minutes backup	-do-	3	Units		
Installation of LAN Componets					
Supply & installation of PVC conduits	-do-	2000	Mts		
Fixing of networking racks	-do-	4	units		

Mounting & Fixing of jack panels	-do-	4	Units		
Fixing of I/O	-do-	85	Units		
Interactive white board	-do-	2	Units		
Equipments air freight & insurance charges till capital airport of Ecuador	-do-	1	Lumpsum		
Overall Installation charges for equipments(If any)	-do-	1	Lumpsum		
Trainers for 2 years	-do-	3	Lumpsum		
Training operational charges for 2 yrs.	-do-	1	Lumpsum		
Courseware Cost	-do-	1200	Kits		
Courseware Cost	-do-	1200	Books		
Taxes (If Any)					
Grand Total (Rs.)					
