



**Ministry of External Affairs**  
Government of India

**Project Manager cum Consultant:**

**Centre for Development of Advanced Computing (C-DAC)**

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Date: July 10<sup>th</sup> 2013

# Tender Document

for Supply & Installation of IT Infrastructure  
for

Setting up of Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw  
in Myanmar

**Tender No.: CDACP/Myanmar-IT/2013/153**

**Last date for submission of bids: August 1<sup>st</sup> 2013 up to 1300 hrs**

The tender document is available for downloading at [www.cdac.in](http://www.cdac.in) or [www.mea.gov.in](http://www.mea.gov.in)

The bidder, who chooses to download the tender document from website, must submit the Demand Draft for Rs. 2000/- towards cost of tender document along with the technical bid, as per details given in the tender document.

<b>TABLE OF CONTENT</b>		
<b>S.No.</b>	<b>Particulars</b>	<b>Page No.</b>
<b>SECTION I: INVITATION FOR BIDS (IFB)</b>		
1	Contact Information	3
2	Two Bid System	3
3	Pre Bid Meeting	4
4	Date of submission of bids & opening of technical Bid	4
5	Opening of Commercial Bids	5
<b>SECTION II: INSTRUCTION TO BIDDERS (ITB)</b>		
1	Delivery Period/Timelines	6
2	Location for Supply, Installation & Warranty Services	6
3	Order Placement & Release of payment	6
4	Eligible Bidders	6
5	Amendment of Bidding Document	6
A	Preparation of Bids	7
6	Earnest Money Deposit	7
7	Period of Validity of Bids	7
B	Submissions of Bids	7
8	Deadlines for Submissions of Bids	7
9	Late Bids	8
C	Bid opening & evaluation of Bids	8
10	Opening of Bids	8
11	Comparison of Bids	8
D	Award of Contract	8
12	Evaluation of Proposals & Award Criteria	8
13	Purchase right to amend scope of work	9
14	Corrupt & Fraudulent practices	9
15	Interpretation of the clauses in the tender document/ contract document	9
<b>SECTION III: SPECIAL CONDITIONS OF CONTRACTS(SSC)</b>		
1	Prices	10
2	Taxes & Duties	10
3	Software Licences	10
4	Chartered Engineer Certificate	10
5	Completeness Responsibility	10
6	Warranty	11
7	Payments	11
8	Performance Bank Guarantee (PBG)	11
9	Shipping Documents	11
10	Penalty for delayed services	11
11	Jurisdiction	11
12	Force Majeure	11
13	Arbitration	12
<b>SECTION IV: SCHEDULE OF REQUIREMENT</b>		13
<b>SECTION V: COMMERCIAL</b>		
1	Price Schedule	25
2	Performa of Bank Guarantee towards EMD	27
3	Performa for Performance Bank Guarantee	29
4	Manufacturer Authorisation Format	30



## SECTION I: INVITATION FOR BIDS (IFB)

Centre for Development of Advanced Computing (CDAC) on be-half of Ministry of External Affairs (MEA) invites sealed quotations from eligible bidders for supply & installation of IT Infrastructure for setting up of Language Laboratory at Yangon and Nay Pyi Taw and an E-Resource Centre at Nay Pyi Taw on turnkey basis.

### 1. Contact information

Material Management Group  
Centre for Development of Advanced Computing (CDAC)  
Pune University Campus, Ganeshkhind  
Pune 411007, Maharashtra, INDIA  
Tel No.: +91-20-25704100  
Fax No.: +91-20-25694004  
E-mail: [mmg@cdac.in](mailto:mmg@cdac.in)

### 2. Two bid System

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 below:

#### ▪ Envelope No. 1: "Technical Bid" shall contain:

- a. Tender Fee in the form of Demand Draft of Rs. 2000/- drawn on any Nationalized/ Scheduled Bank, in favour of 'Pay & Accounts Officer, Ministry of External Affairs' payable at New Delhi.
- b. Earnest Money in the form of Demand Draft/ Bank Guarantee of Rs. 2.5 Lacs drawn on any Nationalized/ Scheduled Bank, in favour of 'Pay & Accounts Officer, Ministry of External Affairs' payable at New Delhi as mentioned at Para 6 (Section II).
- c. Duly filled Technical Bid with proper seal and signature of authorised person on each page of the bid submitted. The person signing the bid should be the duly authorised representative of the firm/ company, for which a certificate of authority should be submitted. The power or authorisation or any other document consisting of adequate proof of the ability of the signatory to bind the firm/ company should be annexed to the bid.
- d. Self-Attested copy of VAT/ CST, Service Tax Number/ Registration certificate as applicable.
- e. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should have minimum average turnover of Rs 50 Lacs in each of last three financial years.
- f. All documents related with Firm Registration/ Partnership Deed/ Articles of Memorandum of Association or Proprietorship Deed should be attached.
- g. Certificate of Incorporation of the Firm.
- h. Only the authorised distributors/ resellers are allowed to bid for the items mentioned in the tender document. The specific authorisation letter from Principal/s clearly indicating that the bidder is competent to sell & provide services for the items mentioned in the Scope of Supply given in this tender document should be enclosed.
- i. The copy of supply orders/ contracts/ agreements by Government of India (Ministry/ Department/ Undertaking/ PSU/ Autonomous Body) of similar work, executed by the bidders in last seven years ending May 31<sup>st</sup> 2013. The bidder should enclose the completion certificate duly issued by the end-user. The bidder should have completed at least **ONE** similar work not less than Rs. 80 Lacs OR **TWO** similar works not less than Rs. 50 Lacs OR **THREE** similar works not less than Rs. 40 Lacs. Out of these orders at least **ONE** order should have been completed by the bidder **overseas** on be-half of Government of India (Ministry/ Department/ Undertaking/ PSU/ Autonomous Body).

- j. The installation and warranty services are required in Yangon & Nay Pyi Taw in Myanmar. The bidders should have their own branch office/ service centre in Myanmar or plans to provide service through local dealer/ service provider at Myanmar. In either case, an undertaking to this effect should be submitted along with the technical bid. The details viz. name, address, contact person, telephone / fax, email etc. should be provided along with an undertaking from this local dealer/ service provider should be submitted within 30 days of the receipt of Supply Order (if applicable).
- k. The detailed technical specification, make & model, part number and compliance to the Schedule of Requirement (Section IV) should be enclosed in the technical bid.
- l. The soft copy of Technical Bid (.doc/ .xls format) in a Flash Drive/ Memory Card (except certificates, brochures, order copies etc.) should be provided along with the technical bid.
- m. Photocopy of the Commercial Bid (with prices hidden) along with commercial terms & conditions should be provided along with the Technical Bid.
- n. The bidder should submit an undertaking to the effect that a Performance Bank Guarantee (PBG) of 10% of the order value will be submitted in case MEA decides to place the Supply Order.
- o. Other related documents, mentioned in the tender document but not listed here.

▪ **Envelope 2: “Commercial Bid “ shall contain:**

Price schedule completed in all respects with proper seal and signature of authorized person.

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 Supply, Installation, Testing & Commissioning of IT Infrastructure on turnkey basis for setting up of Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw in Myanmar, and addressed to:

**The Manager – Purchase & HOD  
Centre for Development of Advanced Computing (CDAC)  
Pune University Campus, Ganeshkhind  
Pune 411007, INDIA**

Please write the **tender number** on each envelope and seal all the envelopes.

**3. Pre Bid Meeting:**

The pre-bid meeting shall be held on **July 18, 2013** at **1100 hrs** at:

**CDAC  
Anusandhan Bhawan, C-56/1  
Institutional Area, Sector 62  
Noida – 201 301, Uttar Pradesh  
Tel: +91-120-2402551-60**

Maximum 2 (Two) participants per bidder will be allowed to participate in the Pre – Bid Meeting.

The queries, if any, will have to be submitted in writing on/ before the day of Pre – Bid Meeting and the answers to the queries will be made available on our website.

***No queries shall be entertained after the Pre – Bid Meeting.***

**4. Date of submission of bids and opening of the Technical bids**

Last date for submission of bids on **August 1, 2013** up to **1300 hrs** at:

**CDAC  
E-25, I & II Floor  
Hauz Khas Market  
New Delhi – 110 016  
Tel: +91-11-26510221**



Technical bid will be opened on **August 1, 2013** at **1400 hrs** at:

**CDAC**  
**Anusandhan Bhawan, C-56/1**  
**Institutional Area, Sector 62**  
**Noida – 201 301, UP**  
**Tel: +91-120-2402551-60**

The bid can be submitted in person or through post/ courier (CDAC shall not be responsible for any postal delays resulting in disqualification/ rejection of any bid) so as to reach on or before the due date and time. The bidders' authorized representative (maximum two) can attend the bid opening/s.

The representatives of bidders may choose to attend the opening of the technical bids. In case bidder requires any clarifications / information they may contact CDAC address given in Clause 2 of Section I.

The technical bids will be evaluated to shortlist the eligible bidders. The technical bids of only the short listed bidders shall be considered for further processing (technical evaluation).

Bidder 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.

#### **5. Opening of commercial bids**

Commercial bids of the short listed bidders only will be opened, in the presence of the bidders or their authorized representative, who choose to attend, at the **time place and date** to be informed later.

The authorized representative of bidders, present at the time of opening of the bids shall be required to sign an attendance register as a proof of having attended the commercial bid opening.

The bidder's name, bid prices, discounts and such other details considered as appropriate by CDAC, will be announced at the time of the opening of the bids.

**(Technically accepted competitive bids ONLY will be considered for the opening of Commercial Bids).**

**END OF SECTION I**



## **SECTION II: INSTRUCTIONS TO BIDDERS (ITB)**

### **1. Delivery Period / Project Timelines**

The delivery and installation at site(s) must be completed within 120 days from the date of placement of supply order by MEA. The shipment is required to be done by sea/ air, within 60 days from the date of placement of supply order by MEA. Thereafter, the delivery & installation at site must be completed within the balance 60 days including the custom clearance & local transportation by the bidder. It is mandatory for the bidders who respond to this bid to meet these expectations as time is the essence of this contract and is tightly linked to MEA/ CDAC plans of completing the project within the available time frame.

### **2. Locations for the Supply, Installation & Warranty Services**

The IT Infrastructure, Soundproofing, DG Set and UPS as detailed in this document are required to be supplied, installed and supported at Nay Pyi Taw & Yangon in Myanmar. The address of the site(s) for installation shall be communicated in the Supply Order.

### **3. Order Placements and Release of Payment**

The supply order and payment shall be released by:

**Development Partnership Administration III  
Ministry of External Affairs  
South Block, New Delhi – 110 011**

### **4. Eligible Bidders**

- 4.1 This invitation for bids is open to all bidders who are in the business of IT i.e. Computer Hardware, Software, Networking, Audio Video Equipment etc. for at least last **two years** ending March 31<sup>st</sup> 2013.
- 4.2 The bidder should have completed at least **ONE** similar work not less than Rs. 80 Lacs OR **TWO** similar works not less than Rs. 50 Lacs OR **THREE** similar works not less than Rs. 40 Lacs.
- 4.3 Out of the similar works mentioned in 4.2 above, bidder should have completed at least ONE work overseas.
- 4.4 The bidder should have minimum average turnover of **Rs 50 Lacs** in each of last 3 financial years.
- 4.5 Bidder should be **authorised distributors/ resellers** for all the items as mentioned in the tender document.
- 4.6 The bidders should have their **own branch office/ service centre** at Myanmar or arrangement to provide service through local dealer/ service provider at Myanmar.
- 4.7 Bidder should possess valid **VAT/ CST, Service Tax Number/** Registration as on date of bid submission.
- 4.8 Bidders should not be under a declaration of ineligibility for **corrupt and fraudulent** practices.

Note: CDAC reserves the right to award/ reject the orders to any particular bidder without assigning any reason thereof

### **5. Amendment of Bidding Document**

- 5.1 At any time prior to the deadline for submission of bids, CDAC may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.
- 5.2 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.
- 5.3 CDAC 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.

## A. PREPARATION OF BIDS

Bidder should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the bid documents. In case however any corrections, alterations, changes, erasures, amendments and/or additions have to be made in the bids, they should be supported by dated signatures of the same authorized person signing the bid documents.

### 6. Earnest Money Deposit (EMD)

6.1 The tender documents must be accompanied by Earnest Money Deposit of Rs. 2.5 Lacs only, in the form of a Demand Draft (DD) drawn on any Nationalized/ Scheduled Bank, in favour of 'Pay & Accounts Officer, Ministry of External Affairs' payable at New Delhi OR Bank Guarantee (BG) as per the format provided in this document (Section V 2 – Bank Guarantee towards EMD) from any Nationalized/ Scheduled Bank.

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 or BG. No interest shall be payable on EMD.

6.2 The EMD will be returned to the bidder(s) whose offer is not accepted by MEA/ CDAC within 15 days from the date of opening of commercial bids. In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Bank Guarantee (Refer Clause 8 of Section III). However if the return of EMD is delayed for any reason, no interest/ penalty shall be payable to the bidder.

6.3 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 may be placed to the next successful bidder.

6.4 The EMD shall be forfeited:

6.4.1 If the bidder withdraws the bid during the period of bid validity specified in the tender.

6.4.2 In case a successful bidder, fails to furnish the Performance Bank Guarantee (Clause 8 of Section III).

6.4.3 If the bidder fails to furnish the acceptance in writing, within 7 days of award of contract/ order.

### 7. Period of validity of bids

7.1 Bids shall be valid for minimum 180 days from the date of submission. A bid valid for a shorter period shall stand rejected.

7.2 CDAC 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.

## B. SUBMISSION OF BIDS

The Bid shall be neatly arranged, plain and intelligible. Each page of the bid should be signed by the authorized person. 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.

### 8. Deadline for Submission of Bids

8.1 Bids must be received by CDAC 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 CDAC, the bid-closing deadline will stand extended to the next working day up to the same time.

8.2 CDAC may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified in the media.

## 9. Late Bids

9.1 Any bid inadvertently received by CDAC after the deadline for submission of bids, will not be accepted and returned unopened to the bidder.

## C. BID OPENING AND EVALUATION OF BIDS

### 10. Opening of Bids

- 10.1 The technical bids will be evaluated to shortlist the eligible bidders. The technical bids of only the eligible bidders shall be considered for further processing (technical evaluation).
- 10.2 Bidder 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.
- 10.3 CDAC will open commercial bids of only the technically short listed bids, in the presence of the bidder or their authorised representative who choose to attend the bid opening, at the time and date to be informed later.
- 10.4 The bidder's authorised representative who attends the bid opening shall sign an attendance register as a proof of having attended the bid opening.
- 10.5 The bidder's name, bid prices, discounts and such other details considered as appropriate by CDAC, will be announced at the time of opening of the commercial bids.

### 11. Comparison of Bids

- 11.1 Only the eligible and technically short-listed bids after the technical evaluation shall be considered for commercial comparison.
- 11.2 The comparison shall also take into consideration the delivery schedule, payment terms etc. offered by the bidder in its technical bid. The bid not adhering to the terms as mentioned in Section II & III will stand rejected.

## D. AWARD OF CONTRACT

### 12. Evaluation of Proposals & Award Criteria

- 12.1 The bidder must quote for all the items mentioned under Section IV – Schedule of Requirement. The lowest price criteria shall be applied on the total composite amount of all items taken together.
- 12.2 Preliminary scrutiny of the proposal will be made to determine whether they are complete, required processing fee and bid security have been furnished, whether the documents have been properly signed, and whether the bids are generally in order. Proposals not conforming to such preliminary requirements will be prima facie rejected.
- 12.3 Bids complying with all the eligibility requirements mentioned under Section II Clause 4 of the tender document and fulfilling the specifications and requirement mentioned under Section IV – Schedule of requirement of the tender document shall be treated as substantially responsive bids. Responsiveness of the bids shall be determined on the basis of the contents of the bid itself and shall not be determined by extrinsic evidences.
- 12.4 MEA/ CDAC may ask bidders for presentation on the solution offered for the proposed Language Laboratories and E-Resource Centre, if required. Failure on part of bidder to arrange the presentation on the date & place fixed by MEA/ CDAC shall result in the rejection of technical bids and financial bids of these bidders shall not be opened. Also, if it is found after presentation that the solution offered is not meeting the specifications prescribed by MEA/ CDAC, such bidders shall be treated as substantially non-responsive. MEA/ CDAC decision shall be final in this regard. The place for presentation shall be conveyed to the bidders at an appropriate date.
- 12.5 Commercial bids of only those bidders will be opened who are found to be substantially responsive and the work shall be awarded to the commercially lowest bidder.



- 12.6 Bidder should quote their rates in prescribed proforma (Section V – Price Schedule) only. Commercial bids other than the format provided shall be rejected by MEA/ CDAC.
- 12.7 In case of discrepancy between words and figures, the rates quoted in words shall be treated as final. The amount will be calculated by multiplying correct price with quantity and in case of any discrepancy, the corrected amount shall be considered and total of all corrected amount shall be bidder's total quoted amount.
- 12.8 In the copies of supply order/ contract/ agreement/ experience certificate submitted by the bidder, the currency is other than Indian Rupees, the value of work in Indian Rupees shall be determined by using the exchange rate declared by Reserve Bank of India as on the last date of submission of technical/ commercial bids and the eligibility of the bidder shall be determined accordingly.
- 12.9 If more than one bidder happens to quote the same lowest price, CDAC/ MEA reserves the right to split the order and award the contract to more than one bidder. The splitting in such case will be done on the basis of item wise lowest price quoted by the bidders.

### **13. Purchaser's Right to amend Scope of Work**

- 13.1 If, for any unforeseen reasons, CDAC/ MEA are required to change the Scope of Supply, this change shall be acceptable to the bidder without change in the unit price quoted.
- 13.2 CDAC/ MEA reserve the right to reject one/ all the bids or cancel the tender without assigning any reasons there for.

### **14. Corrupt or Fraudulent Practices**

- 14.1 It is expected that the bidders who wish to bid for this project have highest standards of ethics.
- 14.2 CDAC/ MEA will reject bid if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract;
- 14.3 CDAC/ 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.

### **15. Interpretation of the clauses in the Tender Document / Contract Document**

- 15.1 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.

**END OF SECTION II**

## **SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)**

### **1. Prices**

- 1.1. The price quoted shall be considered firm and no price escalation will be permitted.
- 1.2. Bidders must quote the prices in INR and as per the format given in Price Schedule at Section – V of this document.
- 1.3. The prices quoted should be inclusive of freight, insurance, packing, applicable taxes & duties till destination. The packing shall be transport worthy so as to prevent their damage or deterioration to goods during transit to their final destination as indicated in this document. 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 in good condition and installed at end user's site.

### **2. Taxes and Duties:**

- 2.1. The prices quoted should be inclusive of all taxes and /or duties except customs duty. The items being imported in Myanmar from India or any third country will be exempted from payment of customs duty. Necessary Custom Duty Exemption Certificate shall be arranged by MEA/ Government of Myanmar as & when required.
- 2.2. Bidder shall arrange to clear the consignment after following customs formalities at Myanmar and arrange to deliver the consignment to the end user. The cost and risk of the consignment rests with the bidder till it is delivered to the end user.
- 2.3. 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 (C/D) will be given by MEA.

### **3. Software Licenses:**

The software mentioned in Schedule of Requirement is for setting up of Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw in Myanmar hence the bidders should quote the licenses legally valid in Myanmar. The software licenses shall be required in the name of the user institute in Myanmar. The licenses shall contain paper licenses and at least one set of media (DVD's/CDs) at each location.

### **4. Chartered Engineer Certificate:**

The successful bidder will be required to furnish the certificate from the Registered Chartered Engineer certifying that the items supplied and their specifications are in compliance with the requirements of the supply order issued by MEA.

### **5. Completeness Responsibility:**

Notwithstanding the scope of work, engineering, supply and services stated in the tender document; any equipment or material, engineering or technical services which might not be even specifically mentioned under the scope of supply of the supplier and which are not expressly excluded there from but which are necessary for the performance of Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw in Myanmar in accordance with the specifications and executing the contract to establish achievement of performance guarantee parameters, are to be provided for and rendered by the vendor without any extra charge so that the said project is completed in all respects.

The project is setting up of Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw in Myanmar. It shall be responsibility of the supplier to ensure smooth integration of IT Hardware/ Software with the language software. The language software required for the Language Laboratory & E-Resource Centre shall be made available/ installed at site however the supplier for IT Hardware/ Software shall integrate it with the language software. This should be done in close coordination with

the supplier of language software and the work will only be considered complete after the IT Hardware/ Software is installed & integrated with the language software and the project is completed in all respect.

#### **6. Warranty:**

All the items covered in the schedule of requirements, shall carry minimum 2 (two) years on site comprehensive warranty from the date of its installation & commissioning. The bidder must undertake to provide the installation and warranty service in Myanmar. The repairing/ rectification/ replacement/ configuration required, if any, must be done at site only. During the warranty, all complaints should be rectified within 7 days from the time of complaint. In case the rectification of fault involves replacement of some hardware the same should be carried out within 21 days from the date of intimation. Failure to do so would result in the invoking of the PBG. The PBG will be released by MEA only after the submission of satisfactory performance certificate issued by CDAC/ Indian Mission & end-user after the completion of warranty period.

#### **7. Payments:**

MEA shall release 80% of the payment against complete delivery at Yangon & Nay Pyi Taw; 20% after successful installation & commissioning on certification of CDAC/ Indian Mission & end-user.

#### **8. Performance Bank Guarantee (PBG):**

The successful bidder must submit a Performance Bank Guarantee of 10% of the order value on receipt of supply order by MEA as per the format provided (Section V3–Performance Bank Guarantee) in the tender document. This Bank Guarantee should remain valid six months beyond the period of project including delivery, installation & warranty i.e. three years from the date of its submission.

#### **9. Shipping Documents:**

The successful bidder(s) shall be required to furnish the following documents:

- i. Readiness of the consignment for dispatch
- ii. Chartered Engineer's Certificate
- iii. Packing List
- iv. Insurance Policy
- v. Invoice & other relevant document(s)

Final Dispatch Clearance Certificate (FDCC) shall be issued by CDAC on receipt of above mentioned documents from successful bidder. Actual shipment should be done only after issue of FDCC.

#### **10. Penalty for delayed Services**

CDAC/ MEA reserve the right to levy penalty @ of 0.5% of order value per week of delay beyond the scheduled deliveries / execution of the order successfully, subject to maximum of 5% of the order value. CDAC/ MEA reserve the right to cancel the order in case the delay is more than 10 weeks. The penalties, if any shall be recovered from Performance Bank Guarantee submitted by the successful bidder.

#### **11. Jurisdiction:**

The disputes, legal matters, court matters, if any shall be subject to Delhi jurisdiction only.

#### **12. Force Majeure:**

CDAC/ 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. 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 successful bidder's OEM premises.



### 13. Arbitration:

All disputes of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc., shall be referred by either party (MEA or the bidder) after issuance of 30 days notice in writing to the other party clearly mentioning the nature of dispute to a single arbitrator acceptable to both the parties. The venue for arbitration shall be specified in the purchase agreement. The jurisdiction of the courts shall be specified in the purchase agreement.

END OF SECTION III

## SECTION IV – Schedule of Requirement

S. No.	Item Description	Qty
<b>A</b>	<b>English and French Language Learning Resources Center at Yangon</b>	
1	<b>Networking of Students and Master Console in Language Lab</b> - Provision of Local Area Network for 22 computers: (following network passive items quoted should be from an ISO 9001 and ISO 14001 certified manufacturer)	
1.1	Unshielded twisted pair cabling system, TIA / EIA 568-C.2 addendum Category 6 Cabling system with Network supported: 10/100/1000 Ethernet, 155 Mbps ATM, 1000 Mbps IEEE 802.3ab Ethernet, and Cat 6 Gigabit Ethernet, Cable performance warranty should be of minimum 25 years to cover Bandwidth of the specified and installed cabling system. The 25 Year Certificate to be submitted in this regard.	<b>5 Boxes (305 Mts. each)</b>
1.2	Single I/O with SMB, Material ABS / UL 94 V-0, No. of ports One / two, High Impact Plastic Body ABS FR Grade 86 x 86 mm Flush mountable or surface mountable with a back mount frame	<b>25 Nos.</b>
1.3	Jack Panel (24 Ports): Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2, Durability Modular Jack L 750 mating cycles, Wire terminal: 200 termination cycles, Accessories Strain relief and bend-limiting boot for cable, It should have a Dust cover to cover the keystone, Jack contacts: Phosphorous bronze, plated with 1.27micro-meter thick gold.	<b>1 No.</b>
1.4	UTP Patch Cords (1mtr): Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2, Length 1 meter, Conductor 24-26 AWG stranded copper, Category 6, Jacket PVC, Insulation Flame Retardant Polyethylene, Cable material should be Material ROHS compliant. Approvals UL, ETL and 3P certificates.	<b>25 Nos.</b>
1.5	UTP Patch Cords (3 Mtr.): Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2, Length 3 meter, Conductor 24-26 AWG stranded copper, Category 6, Jacket PVC, Insulation Flame Retardant Polyethylene, Cable material should be Material ROHS compliant. Approvals UL, ETL and 3P certificates.	<b>25 Nos.</b>
1.6	Networking Racks 12U/500MMD 1 SECN with front glass door cam lock, PDU 6x5Aamp and 1.5meter feed cable and 3 pin plug, shelf 255m, Fan 203v 90 cfm, cable manager 1U pvc loops, Hardware pkt of 10 load carrying maximum capacity upto: 40 kgs	<b>1 No.</b>
1.7	Supply & installation of PVC Conduit, Batton, Flexi (1" & 2") mtrs	<b>450 Mts.</b>
1.8	UTP Termination & I/O & Jack Panel	<b>44 Nos.</b>
1.9	Mounting & fixing of Networking Racks	<b>1 No.</b>
1.10	Mounting & fixing of Jack Panels	<b>2 Nos.</b>
1.11	Fixing of I/O	<b>22 Nos.</b>
1.12	Documentation	<b>Lump sum</b>



1.13	<b>Networking switch</b>	<b>1 No.</b>
	Minimum: 24 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Media Type: Auto-MDIX; Duplex: half or full, 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T), 1 RJ-45 serial console port, Performance throughput: Minimum 6.6 million pps, Routing/Switching capacity: Minimum 8.8 Gbps, Customized operation: Web interface. Connectivity: Auto-MDIX, Front-panel LEDs, Flow control, Small Form-Factor Pluggable (SFP) slots, Cable diagnostics. Performance: Link aggregation (trunking), IGMP snooping. Layer 2 Switch should support: VLAN support and tagging, Spanning Tree (STP/RSTP). Security parameter should support: Access control lists (ACLs), Secure Sockets Layer (SSL) & IEEE 802.1X.	
<b>2</b>	<b>Soundproofing of Language Lab</b>	
2.1	Sound proofing of Language Lab using, foam boards, or acoustic tiles, woolen pads or acoustic foam wedges. The sound insulation panels should absorb sound and prevent echo.	<b>Approx.1000 Sq Ft.</b>
<b>3</b>	<b>Conference Room - Large</b>	
<b>3.1</b>	<b>LCD Projector</b>	<b>1 No.</b>
	Resolution SVGA 800 x 600	
	Max Supported Resolution UXGA (1600 x 1200)	
	Brightness - 2600 ANSI Lumens	
	Contrast Ratio 3000:1	
	Fan noise 29dB (Eco mode)	
	Inputs 2 x 15 Pin D-Sub VGA Component via adaptor	
	S-Video 4 Pin Mini Din	
	Audio 2W Speaker	
	Aspect Ratio 4:3 Native, 16:9 Compatible	
	On Screen Display 18 Languages: English, German, French, Italian, Spanish	
	Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Arabic & Farsi	
	Video Compatibility PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p, Display Lens: F-Focal number:1.44	
	Focal length:16.7mm, Zoom ratio:1.0-1.35 (digital zoom)	
	Projection distance 0.88m-10.4m	
	Image Size 0.88m-10.4m (30-350") diagonal 4:3	
	Throw ratio 1.45-1.96	
	Operating Conditions Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (MAX)	
	Power Supply 100 - 240V, 50 - 60Hz	
	Power Consumption 233W BRIGHT mode < 0.5W Standby mode	
	Standard Accessories Soft Carry Bag, AC Power Cord, VGA Cable, Full Function	
	Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card	

<b>3.2</b>	<b>Motorized Screen</b>	<b>1 No.</b>
	Glass beaded, Matt White, Minimum 72'inch, Minimum viewing area: 1090mm (H) x 1460mm (W), Minimum cover size: 1650 x75 x 120mm, Motor: Minimum 110-220VA 50Hz Octagonal steel housing.	
<b>3.3</b>	<b>Conference Room Audio</b>	
<b>3.3.1</b>	<b>Delegate Unit</b>	<b>18 Nos.</b>
	Integrated Microphone: -63dBV/bar 7.5mV/Pa	
	Current Consumption < 50mA Max.	
	Mic Auto Switch-Off Time 75 seconds approx.	
	Input : Line, Output :Line, Headphone with Volume Control, Speaker : Max Input 300mW	
	Controls : Talk Switch, Speaker Volume Control, Headphone Volume Control	
<b>3.3.2</b>	<b>Conference Chairman Unit</b>	<b>1 No.</b>
	Integrated Microphone: -63dBV/bar 7.5mV/Pa	
	Current Consumption < 50mA Max.	
	Mic Auto Switch-Off Time 75 seconds approx.	
	Input : Line	
	Output : Line, Headphone with Volume Control	
	Speaker: Max Input 300mW Impedance 16	
	Controls : Priority Switch, Talk Switch, Speaker Volume Control, Headphone Volume Control	
<b>3.3.3</b>	<b>Central Control Unit</b>	<b>1 No.</b>
	Line Output : 17.5V DC/3A Max.; -34dBV (20mV)	
	Power Output : 50W RMS at 2% THD, 90W Max	
	Inputs: Minimum: 1 x Mic 1.0m V/2K (balanced), 2 x Mic 0.65mV/4.7k(Unbalanced), 1xAux 100mV/470k (Unbalanced)	
	Frequency response: 60-14,000Hz ( $\pm$ 3dB); Signal to Noise Ratio: > 60dB	
	Tone Controls: Bass; -10db at 100Hz & Treble: -10db at 10kHz	
	Preamp / rec Output: 200m V / 600 ohm; Line output: 1v/1kohm	
	Send output: 200mV/600; Return output: 200mV/10k	
	Speaker Output: 4 ohm, 8ohm , 16ohm , 70Vohm & 100Vohm	
	Power requirement: AC: 220 - 240v, 50/60Hz / DC: 24v (2 x 12v Car Battery)	
	Power Consumption: 250VA	
	Protection: AC Fuse 1 x 3 AMP, DC Fuse 2 x 10 AMP	
	Accessories: Connection Cable, Extension Cable, 1 Fuse 3AMP, 1 Fuse 10 AMP	
<b>3.3.4</b>	<b>Speakers</b>	<b>18 Nos.</b>
	Power Taps on 100V: 30/14/7.5W	
	Speaker: Woofer 150mm (6") & Tweeter 25	
	Impedance: 330/670/1.33k	
	SPL (1W/1m): 92dB	
	Frequency response: 90-18,000Hz or higher	
	Input Power 30W RMS	

<b>3.3.5</b>	<b>DVD Player</b>	<b>1 No.</b>
	DVD System should support DVD-Video/CD/Video CD/SVCD, CD-R/RW, MP3 (CD-R/RW), MPEG-1 (CD-R/RW), Simple MPEG-4 (CD-R/RW), Progressive Video Output, Color Default Setting should be minimum NTSC, TV Type Default Setting should be minimum 16:9. DVD Player should support Audio: DTS, Dolby Digital, MPEG, A/V Sync.	
	1 Rear HDMI Output I/O	
	DVD Up scaling to 1080p resolution	
	USB Content Playback	
	Multi Disc and Format Playback	
<b>3.3.6</b>	<b>Amplifier</b>	<b>1 No.</b>
	120 W RMS at 10% THD mixer amplifier with total 5 x mic 0.65mV/4.7kohm, Frequency response: 50Hz - 15000Hz $\pm$ 3dB, Signal to Noise Ratio: 60dB, Power Source: AC: 220-240V 50/60Hz,	
<b>3.3.7</b>	<b>Cables and integration for Conference room Audio</b>	<b>1 No.</b>
<b>4</b>	<b>Conference Room - Small</b>	
<b>4.1</b>	<b>LCD Projector</b>	<b>1 No</b>
	Resolution SVGA 800 x 600	
	Max Supported Resolution UXGA (1600 x 1200)	
	Brightness - 2600 ANSI Lumens	
	Contrast Ratio 3000:1	
	Fan noise 29dB (Eco mode)	
	Inputs 2 x 15 Pin D-Sub VGA Component via adaptor	
	S-Video 4 Pin Mini Din	
	Audio 2W Speaker	
	Aspect Ratio 4:3 Native, 16:9 Compatible	
	On Screen Display 18 Languages: English, German, French, Italian, Spanish,	
	Portuguese, Polish, Dutch, Russian, Finnish, Swedish,	
	Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Arabic & Farsi	
	Video Compatibility PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p	
	Display Lens: F-Focal number:1.44, Focal length:16.7mm, Zoom ratio:1.0-1.35 (digital zoom)	
	Projection distance 0.88m-10.4m	
	Image Size 0.88m-10.4m (30-350") diagonal 4:3	
	Throw ratio 1.45-1.96	
	Operating Conditions Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (MAX)	
	Power Supply 100 - 240V, 50 - 60Hz	
	Power Consumption 233W BRIGHT mode < 0.5W Standby mode	
	Standard Accessories Soft Carry Bag, AC Power Cord, VGA Cable, Full Function	
	Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card	
<b>4.2</b>	<b>Motorized Screen</b>	<b>1 No.</b>
	Glass beaded, Matt White, Minimum 72'inch, Minimum viewing area: 1090mm (H) x 1460mm (W), Minimum cover size: 1650 x75 x 120mm, Motor: Minimum 110-220VA 50Hz Octagonal steel housing.	

<b>4.3</b>	<b>Conference Room Audio</b>	
<b>4.3.1</b>	<b>Delegate Unit</b>	<b>12 Nos.</b>
	Current Consumption < 50mA Max.	
	Mic Auto Switch-Off Time 75 seconds approx.	
	Input : Line	
	Output :Line, Headphone with Volume Control	
	Speaker : Max Input 300mW	
	Controls :Talk Switch, Speaker Volume Control, Headphone Volume Control	
<b>4.3.2</b>	<b>Conference Chairman Unit</b>	<b>1 No.</b>
	Integrated Microphone: -63dBV/bar 7.5mV/Pa	
	Current Consumption < 50mA Max.	
	Mic Auto Switch-Off Time 75 seconds approx.	
	Input : Line	
	Output : Line, Headphone with Volume Control	
	Speaker: Max Input 300mW Impedance 16	
	Controls : Priority Switch, Talk Switch, Speaker Volume Control, Headphone Volume Control	
<b>4.3.3</b>	<b>Central Control Unit</b>	<b>1 No.</b>
	Line Output : 17.5V DC/3A Max.; -34dBV (20mV)	
	Power Output : 50W RMS at 2% THD, 90W Max	
	Inputs: Minimum: 1 x Mic 1.0m V/2K (balanced), 2 x Mic 0.65mV/4.7k(Unbalanced), 1×Aux 100mV/470k (Unbalanced)	
	Frequency response: 60-14,000Hz (± 3dB)	
	Signal to Noise Ratio: > 60dB	
	Tone Controls: Bass; -10db at 100Hz & Treble: -10db at 10kHz	
	Preamp / rec Output: 200m V / 600 ohm	
	Line output: 1v/1kohm	
	Send output: 200mV/600	
	Return output: 200mV/10k	
	Speaker Output: 4 ohm, 8ohm , 16ohm , 70Vohm & 100Vohm	
	Power requirement: AC: 220 - 240v, 50/60Hz / DC: 24v (2 x 12v Car Battery)	
	Power Consumption: 250VA	
	Protection: AC Fuse 1 x 3 AMP, DC Fuse 2 x 10 AMP	
	Accessories: Connection Cable, Extension Cable, 1 Fuse 3AMP, 1 Fuse 10 AMP	
<b>4.3.4</b>	<b>Speakers</b>	<b>12 Nos.</b>
	Power Taps on 100V: 30/14/7.5W	
	Speaker: Woofer 150mm (6") & Tweeter 25	
	Impedance: 330/670/1.33k	
	SPL (1W/1m): 92dB	
	Frequency response: 90-18,000Hz or higher	
	Input Power 30W RMS	

<b>4.3.5</b>	<b>DVD Player</b>	<b>1 No.</b>
	DVD System should support DVD-Video/CD/Video CD/SVCD, CD-R/RW, MP3 (CD-R/RW), MPEG-1 (CD-R/RW), Simple MPEG-4 (CD-R/RW), Progressive Video Output, Color Default Setting should be minimum NTSC, TV Type Default Setting should be minimum 16:9. DVD Player should support Audio: DTS, Dolby Digital, MPEG, A/V Sync.	
	1 Rear HDMI Output I/O	
	DVD Up scaling to 1080p resolution	
	USB Content Playback	
	Multi Disc and Format Playback	
<b>4.3.6</b>	<b>Amplifier</b>	<b>1 No.</b>
	120 W RMS at 10% THD mixer amplifier with total 5 x mic 0.65mV/4.7kohm, Frequency response: 50Hz - 15000Hz $\pm$ 3dB, Signal to Noise Ratio: 60dB, Power Source: AC: 220-240V 50/60Hz,	
<b>4.3.7</b>	<b>Cables and integration for conference room audio</b>	<b>1 No.</b>
<b>5</b>	<b>Power Back-up Generator - 15 KVA</b>	<b>1 No.</b>
	Minimum: 15 KVA Silent DG Set, 3 Phase, Liquid Cooled Silent DG Set with Maximum 24.8 Output at 1500 RPM BHP	
	Recommended Genset Rating at 0.8F 12KW	
	BORE X Stroke minimum 85 x 92MM	
	Cable Size minimum 16 SQ.MM 3.5C AL	
	Exhaust Pipe DIA minimum 50 MM	
	AMPS: minimum: 21	
<b>6</b>	<b>Desktop Computers</b>	<b>22 Nos.</b>
	Processor: Intel Core i3-2120 Processor 3.3 GHz base frequency, 3 MB cache, 2 cores, 4 threads or higher.	
	Chipset: Intel Q75 Express Chipset or higher	
	Graphics: Intel HD Graphics 2000 or better	
	Memory: Minimum 4 GB DDR3 DRAM technologies supported up to 16 GB	
	Hard Disk Drive: Minimum 500 GB SATA 6.0Gb/s SMART Hard Drives with capability of Pre failure alert or higher. The desktop should have provision for the 2 internal hard drives with SATA 3.0 interface	
	Optical Drive: DVD ROM (Same OEM make of Desktop)	
	Minimum: 4 Bays or higher	
	Slots: Minimum: (1) PCI, (2) PCI Express x1 and (1) PCI Express x16 graphics	
	Ports: Minimum 10 USB, serial port, PS/2 mouse and keyboard ports, RJ-45 network interface, Display Port 1.1a and VGA video interfaces, and 3.5mm audio in/out jacks & Front I/O: headphone output and a microphone jack	
	Ethernet: 10/100/1000 base Ethernet	
	Power Supply: 320W standard or 90% high efficiency Power Supply	
	Keyboard: PS/2 104 keys keyboard (Same OEM make of Desktop)	
	Mouse: PS/2 2 Button Scroll Mouse (Same OEM make of Desktop)	
	Operating System: Genuine Windows 7 Professional or latest - 64 bit	
	Diagnostic software: OEM's Diagnostic tool for hardware diagnostics	
	Security: Minimum: Trusted Platform Module (TPM) 1.2, Removable media write/boot control, Serial, parallel, USB enable/disable. & Support	



	for chassis padlocks and cable lock devices	
	Certifications: Windows 7 certification & Linux Certification. EPEAT Gold, Energy star 5.0	
	Monitor: Minimum 18.5" LCD / LED Monitor (Same OEM as of Desktop)	
	Symantec / eTrust / Quickheal Antivirus with 1 Year update.	
	Microsoft Office Professional Plus 2010 Sngl OLPx64 bit or higher / latest	
<b>7</b>	<b>Advanced Noise Cancelling Head Set</b>	<b>21 Nos</b>
	Impedance: 45 ohm, Max. Power: 2000mW and Frequency response: 20 – 20,000 Hz with 1.2m stretchable spring cable	
<b>8</b>	<b>10 KVA Online UPS with 30 Minutes backup with 16 nos of 12v 26AH SMF batteries, Rack for Batteries &amp; accessories.</b>	<b>1 No</b>
	IGBT Based Hi Frequency PWM Inverter	
	Input Voltage: 160v - 260v Single phase A.C.	
	Input Frequency: 50Hz $\pm$ 3%	
	Output Voltage: 230V $\pm$ 1% (with alternative setting for 220V $\pm$ 1%)	
	Output Frequency: 50hz $\pm$ 0.5Hz (crystal controlled)	
	Wave Form: Harmonic Free True Sine wave	
	Transfer time: Nil	
	Power Factor: 0.9 Lagging	
	Efficiency: >90% overall	
	Harmonic distortion: less than 2%	
	Digital Metering: Input / Output A.C. Voltage & Frequency. Battery voltage & current	
	Overload: 120% for minimum 10 minutes	
	Operating temperature: 0 to 50 degree centigrade	
	Relative Humidity: Upto 85% Non-Condensing	
	Indicators: Mains presence, Battery Charging / Discharging, Overload & Low battery.	
<b>9</b>	<b>Bilingual Keyboards with French &amp; English</b>	<b>21 Nos.</b>
	Black color with white keys. PS2 or USB	
<b>10</b>	<b>Video / Content Server</b>	<b>1 No.</b>
	Processor: Minimum: 1 x Intel Xeon E3-1220 (3.10GHz / 4-core / 8MB / 80W, 1333, Turbo 1/2/3/4) Processor or higher	
	Cache: Minimum: 8MB Level3 Intel Smart Cache or better	
	Chipset: Minimum: Intel C200 chipset or higher	
	Memory: Minimum: 4 GB ECC Memory expandable upto 16GB	
	Memory Protection:: ECC	
	Hard Disk: Minimum: 500GB 3G SATA 7.2K rpm LFF (3.5-inch) HDD	
	Optical Drive: Minimum: DVD RW (from OEM of Server make)	
	Slots: Minimum: 1 PCIe Gen2, x16 (x16 connector), full height and full length, Slot 2: PCIe Gen2, x4 (x8 connector), full height and full length, Slot 3: PCIe Gen2, x4 (x8 connector), full height and full length, Slot 4: PCIe Gen2, x4 (x1 connector), full height and full length.	
	Ports: Minimum: Serial 1, Pointing Device (Mouse, USB) 1 no, Graphics 1 no, Keyboard (USB) 1 no, USB 2.0 Ports: 9 total (4 rear, 4 front panel, 1 internal) or above.	
	Monitor: Minimum: 18.5" LED TFT Monitor or higher (from the OEM of server make)	

	Graphic: Minimum: Integrated Matrox G200eH, 16MB video standard or higher	
	Mouse: Minimum USB optical scroll mouse (from the OEM of Server make)	
	Form Factor: Minimum: Micro ATX Tower (4U)	
	Sound Card: External Sound Card supporting Server configuration	
	Keyboard: PS/2 standard keyboard (from the OEM of Server make)	
	Ethernet: Integrated 1-Port Ethernet Server Adapter (x2)	
	Trusted Platform: Integrated TPM 1.2	
	Security: Minimum: Power-on password, Setup password, Secure Sockets Layer (SSL), Secure Shell (SSH)	
	Industry Standard Compliance: ACPI V3.0b Compliant, PCI Express Rev 2.0, PXE Support, WOL Support, IPMI 2.0 compliance, DCMI 1.0, Microsoft Logo certifications, Red Hat Enterprise Linux Logo certifications, SUSE Linux Enterprise Server Logo certifications, USB 2.0	
	Power Supply: Minimum: 350 Watts Non-Hot Plug or higher	
	Operating System : Windows 2003 or higher	<b>1 No.</b>
	Windows 2003 Clients Access License for no of required users in each lab	<b>22 Nos.</b>
<b>B</b>	<b>Foreign Languages Laboratory at Nay Pyi Taw</b>	
<b>1</b>	<b>Networking of Students and Master Console</b> : Provision of Local Area Network for 12 computers	
1.1	Unshielded twisted pair cabling system, TIA / EIA 568-C.2 addendum Category 6 Cabling system with Network supported : 10 / 100/1000 Ethernet, 155 Mbps ATM, 1000 Mbps IEEE 802.3ab Ethernet, and Cat 6 Gigabit Ethernet, Cable performance warranty should be of minimum 25-year to cover Bandwidth of the specified and installed cabling system. The 25 Year Certificate to be submitted in this regard.	<b>3 Boxes (305 Mts. each)</b>
1.2	Single I/O with SMB, Material ABS / UL 94 V-0, No. of ports One / two, High Impact Plastic Body ABS FR Grade 86 x 86 mm Flush mountable or surface mountable with a back mount frame	<b>12 Nos.</b>
1.3	Jack Panel (24 Ports): Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2, Durability Modular JackL 750 mating cycles, Wire terminal: 200 termination cycles, Accessories Strain relief and bend-limiting boot for cable, It should have a Dust cover to cover the keystone, Jack contacts: Phosphorous bronze, plated with 1.27micro-meter thick gold.	<b>1 No.</b>
1.4	UTP Patch Cords (1mtr): Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2, Length 1 meter, Conductor 24-26 AWG stranded copper, Category 6, Jacket PVC, Insulation Flame Retardant Polyethylene, Cable material should be Material ROHS compliant. Approvals UL, ETL and 3P certificates.	<b>12 Nos.</b>
1.5	UTP Patch Cords (3 Mtr.): Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2, Length 3 meter, Conductor 24-26 AWG stranded copper, Category 6, Jacket PVC, Insulation Flame Retardant Polyethylene, Cable material should be Material ROHS compliant. Approvals UL, ETL and 3P certificates.	<b>12 Nos.</b>
1.6	Networking Racks 12U/500MMD 1 SECN with front glass door cam lock, PDU 6x5Aamp and 1.5meter feed cable and 3 pin plug, shelf 255m, Fan 203v 90 cfm, cable manager 1U pvc loops, Hardware pkt of 10 load carrying maximum capacity upto: 40 kgs	<b>1 No.</b>
1.7	Supply & installation of PVC conduit, batton, Flexi (1" & 2") mtrs	<b>300 Mts.</b>

1.8	UTP Termination & I/O & Jack Panel	<b>24 Nos.</b>
1.9	Mounting & fixing of Networking Racks	<b>1 No.</b>
1.10	Mounting & fixing of Jack Panels	<b>1 No.</b>
1.11	Fixing of I/O	<b>12 Nos.</b>
1.12	Documentation	<b>Lumpsum</b>
1.13	Networking Switch	<b>1 No.</b>
	Minimum: 24 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Media Type: Auto-MDIX; Duplex: half or full, 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T), 1 RJ-45 serial console port, Performance throughput: Minimum 6.6 million pps, Routing/Switching capacity: Minimum 8.8 Gbps, Customized operation: Web interface. Connectivity: Auto-MDIX, Front-panel LEDs, Flow control, Small Form-Factor Pluggable (SFP) slots, Cable diagnostics. Performance: Link aggregation (trunking), IGMP snooping. Layer 2 Switch should support: VLAN support and tagging, Spanning Tree (STP/RSTP). Security parameter should support: Access control lists (ACLs), Secure Sockets Layer (SSL) & IEEE 802.1X.	
<b>2</b>	<b>Desktop Computers</b>	<b>12 Nos.</b>
	Processor: Intel Core i3-2120 Processor 3.3 GHz base frequency, 3 MB cache, 2 cores, 4 threads or higher.	
	Chipset: Intel Q75 Express Chipset or higher	
	Graphics: Intel HD Graphics 2000 or better	
	Memory: Minimum 4 GB DDR3 DRAM technologies supported up to 16 GB	
	Hard Disk Drive: Minimum 500 GB SATA 6.0Gb/s SMART Hard Drives with capability of Pre failure alert or higher. The desktop should have provision for the 2 internal hard drives with SATA 3.0 interface	
	Optical Drive: DVD ROM (Same OEM make of Desktop)	
	Minimum: 4 Bays or higher	
	Slots: Minimum: (1) PCI, (2) PCI Express x1 and (1) PCI Express x16 graphics	
	Ports: Minimum 10 USB, serial port, PS/2 mouse and keyboard ports, RJ-45 network interface, DisplayPort 1.1a and VGA video interfaces, and 3.5mm audio in/out jacks & Front I/O: headphone output and a microphone jack	
	Ethernet: 10/100/1000 base Ethernet	
	Power Supply: 320W standard or 90% high efficiency Power Supply	
	Keyboard: PS/2 104 keys keyboard (Same OEM make of Desktop)	
	Mouse: PS/2 2 Button Scroll Mouse (Same OEM make of Desktop)	
	Operating System: Genuine Windows 7 Professional or latest - 64 bit	
	Diagnostic software: OEM's Diagnostic tool for hardware diagnostics	
	Security: Minimum: Trusted Platform Module (TPM) 1.2, Removable media write/boot control, Serial, parallel, USB enable/disable. & Support for chassis padlocks and cable lock devices	
	Certifications: Windows 7 certification & Linux Certification. EPEAT Gold, Energy star 5.0	
	Monitor: Minimum 18.5" LCD / LED Monitor (Same OEM as of Desktop)	

	Symantec / eTrust / Quickheal Antivirus with 1 Year update.	
	Microsoft Office Professional Plus 2010 Sngl OLPx64 bit or higher / latest	
<b>3</b>	<b>Advanced Noise Cancelling Head Sets</b>	<b>11 Nos.</b>
	Impedance: 45 ohm., Max. Power: 2000mW and Frequency response: 20 – 20,000 Hz with 1.2m stretchable spring cable	
<b>4</b>	<b>800 VA Line Interactive UPS with 15 - 20 Minutes back up</b>	<b>12 Nos.</b>
	800 VA Line Interactive UPS with 15 - 20 Minutes back up with minimum two inbuilt batteries	
	Switching Device: MOSFET	
	Switching Over time: Maximum 5 Millisecond	
	Input Voltage: 160 - 280 V, 50 + 3 Hz. Single Phase A.C	
	Output Voltage (AC Mode): 230V + 9 %, 50 + 3 Hz.	
	Output Voltage (Battery Mode): 230V + 10 %, 50 + 0.5 Hz. At Load Power Factor : > 0.6 LAG	
	Total Harmonic Distortion : 40 % Maximum ( IN DC MODE )	
	Inverter Efficiency at rated output voltage & frequency: Minimum 70 %	
	Regulations: Should not exceed 10% from no load to full load	
	Indicators: Mains mode, UPS mode, Battery Low & Overload	
	2 Batteries should be 12V 7 AH, S.M.F , VRLA TYPE ONLY AND should be fitted internally for 15 - 20 Minutes back up	
	Insulation resistance: > 100 Mega Ohm	
<b>5</b>	<b>Soundproofing of Language Lab</b>	<b>800 sq. ft. approx.</b>
	Sound proofing of Language Lab using, foam boards, or acoustic ceiling tiles, woolen pads or acoustic foam wedges. The sound insulation panels should absorb sound and prevent echo.	
<b>6</b>	<b>Bilingual Keyboards</b>	
6.1	French and English	<b>11 Nos.</b>
6.2	Japanese and English	<b>11 Nos.</b>
6.3	German & English	<b>11 Nos.</b>
6.4	Russian and English	<b>11 Nos.</b>
6.5	Chinese and English	<b>11 Nos.</b>
	(Black color with white keys. PS2 or USB)	
<b>7</b>	<b>Video / Content Server</b>	<b>1 No.</b>
	Processor: Minimum: 1 x Intel Xeon E3-1220 (3.10GHz / 4-core / 8MB / 80W, 1333, Turbo 1/2/3/4) Processor or higher	
	Cache: Minimum: 8MB Level3 Intel Smart Cache or better	
	Chipset: Minimum: Intel C200 chipset or higher	
	Memory: Minimum: 4 GB ECC Memory expandable upto 16GB	
	Memory Protection:: ECC	
	Hard Disk: Minimum: 500GB 3G SATA 7.2K rpm LFF (3.5-inch) HDD	
	Optical Drive: Minimum: DVD RW (from OEM of Server make)	
	Slots: Minimum: 1 PCIe Gen2, x16 (x16 connector), full height and full length, Slot 2: PCIe Gen2, x4 (x8 connector), full height and full length, Slot 3: PCIe Gen2, x4 (x8 connector), full height and full length, Slot 4: PCIe Gen2, x4 (x1 connector), full height and full length.	

	Ports: Minimum: Serial 1, Pointing Device (Mouse, USB) 1 no, Graphics 1 no, Keyboard (USB) 1 no, USB 2.0 Ports: 9 total (4 rear, 4 front panel, 1 internal) or above.	
	Monitor: Minimum: 18.5" LED TFT Monitor or higher (from the OEM of server make)	
	Graphic: Minimum: Integrated Matrox G200eH, 16MB video standard or higher	
	Mouse: Minimum USB optical scroll mouse (from the OEM of Server make)	
	Form Factor: Minimum: Micro ATX Tower (4U)	
	Sound Card: External Sound Card supporting Server configuration	
	Keyboard: PS/2 standard keyboard (from the OEM of Server make)	
	Ethernet: Integrated 1-Port Ethernet Server Adapter (x2)	
	Trusted Platform: Integrated TPM 1.2	
	Security: Minimum: Power-on password, Setup password, Secure Sockets Layer (SSL), Secure Shell (SSH)	
	Industry Standard Compliance: ACPI V3.0b Compliant, PCI Express Rev 2.0, PXE Support, WOL Support, IPMI 2.0 compliance, DCMI 1.0, Microsoft Logo certifications, Red Hat Enterprise Linux Logo certifications, SUSE Linux Enterprise Server Logo certifications, USB 2.0	
	Power Supply: Minimum: 350 Watts Non-Hot Plug or higher	
	Operating System : Windows 2003 or higher	<b>1 No.</b>
	Windows 2003 Clients Access License for no of required users in each lab	<b>22 Nos.</b>
<b>C</b>	<b>E-resource Centre at Nay Pyi Taw</b>	
<b>1.</b>	<b>Desktop Computers</b>	<b>10 Nos.</b>
	Processor: Intel Core i3-2120 Processor 3.3 GHz base frequency, 3 MB cache, 2 cores, 4 threads or higher.	
	Chipset: Intel Q75 Express Chipset or higher	
	Graphics: Intel HD Graphics 2000 or better	
	Memory: Minimum 4 GB DDR3 DRAM technologies supported up to 16 GB	
	Hard Disk Drive: Minimum 500 GB SATA 6.0Gb/s SMART Hard Drives with capability of Pre failure alert or higher. The desktop should have provision for the 2 internal hard drives with SATA 3.0 interface	
	Optical Drive: DVD ROM (Same OEM make of Desktop)	
	Minimum: 4 Bays or higher	
	Slots: Minimum: (1) PCI, (2) PCI Express x1 and (1) PCI Express x16 graphics	
	Ports: Minimum 10 USB, serial port, PS/2 mouse and keyboard ports, RJ-45 network interface, Display Port 1.1a and VGA video interfaces, and 3.5mm audio in/out jacks & Front I/O: headphone output and a microphone jack	
	Ethernet: 10/100/1000 base Ethernet	
	Power Supply: 320W standard or 90% high efficiency Power Supply	
	Keyboard: PS/2 104 keys keyboard (Same OEM make of Desktop)	





	Mouse: PS/2 2 Button Scroll Mouse (Same OEM make of Desktop)	
	Operating System: Genuine Windows 7 Professional or latest - 64 bit	
	Diagnostic software: OEM's Diagnostic tool for hardware diagnostics	
	Security: Minimum: Trusted Platform Module (TPM) 1.2, Removable media write/boot control, Serial, parallel, USB enable/disable. & Support for chassis padlocks and cable lock devices	
	Certifications: Windows 7 certification & Linux Certification. EPEAT Gold, Energy star 5.0	
	Monitor: Minimum 18.5" LCD / LED Monitor (Same OEM as of Desktop)	
	Symantec / eTrust / Quickheal Antivirus with 1 Year update.	
	Microsoft Office Professional Plus 2010 Sngl OLPx64 bit or higher / latest	
<b>2.</b>	<b>Advanced Noise Cancelling Head Sets</b>	<b>10 Nos.</b>
	Impedance: 45 ohm. Max. Power: 2000mW and Frequency response: 20 – 20,000 Hz with 1.2m stretchable spring cable	

## SECTION V – COMMERCIAL

### 1. PRICE SCHEDULE

S.No.	Item Description	Qty	Rate (INR)	Taxes & Duties (INR)	Price (INR)	Amount (INR)
		In Figures & Words				
		(X)	(A)	(B)	(C=A+B)	(Y=C*X)
<b>A</b>	<b>English &amp; French Language Laboratory at Yangon, Myanmar</b>					
1	Networking of Students and Master Console – 22 Connections					
1.1	Passive Items (UTP CAT 6 Cable, I/O with SMB, Jack Panel, Networking Racks, Patch Cords 3ft & 7ft, PVC Channel/ Conduit etc.) *	Lump sum				
1.2	Installation of LAN (Laying of UTP, Fixing of PVC Channel, I/O termination, fixing of racks & switches etc.) **	Lump sum				
1.3	Networking Switch***	1 No.				
2	Soundproofing of language lab					
2.1	Conference Room	1000 Sq Ft				
3	Conference Room – Large					
3.1	LCD Projector	1 No.				
3.2	Motorized Screen	1 No.				
3.3	Conference Room Audio					
3.3.1	Delegate Unit	18 Nos.				
3.3.2	Conference Chairman Unit	1 No.				
3.3.3	Central Control Unit	1 No.				
3.3.4	Speakers	18 Nos.				
3.3.5	DVD Player	1 No.				
3.3.6	Amplifier	1 No.				
3.3.7	Cables & Integration	1 No.				
4	Conference Room – Small					
4.1	LCD Projector	1 No.				
4.2	Motorized Screen	1 No.				
4.3	Conference Room Audio					
4.3.1	Delegate Unit	12 Nos.				
4.3.2	Conference Chairman Unit	1 No.				
4.3.3	Central Control Unit	1 No.				
4.3.4	Speakers	12 Nos.				
4.3.5	DVD Player	1 No.				
4.3.6	Amplifier	1 No.				
4.3.7	Cables & Integration	1 No.				
5	Power Back-up Generator 15 KVA	1 No.				
6	Desktop Computers with licensed MS Windows 7, MS Office & Anti-Virus	22 Nos.				
7	Advanced Noise Cancelling Headset	21 Nos.				
8	UPS 10 KVA	1 No.				



9	Bilingual Keyboards with French and English	21 Nos.				
10	Video/ Content Server	1 No.				
<b>B</b>	<b>Foreign Languages Laboratory at Nay Pyi Taw</b>					
1	Networking of Students and Master Console – 12 Connections					
1.1	Passive Items (UTP CAT 6 Cable, I/O with SMB, Jack Panel, Networking Racks, Patch Cords 3ft & 7ft, PVC Channel/ Conduit etc.) †	Lump sum				
1.2	Installation of LAN (Laying of UTP, Fixing of PVC Channel, I/O termination, fixing of racks & switches etc.) ††	Lump sum				
1.3	Networking Switch †††	1 No.				
2	Desktop Computers with licensed MS Win 7, MS Office & Anti-Virus	12 Nos.				
3	Advanced Noise Cancelling Headset	11 Nos.				
4	UPS 800 VA	12 Nos.				
5	Soundproofing					
5.1	Language Lab	800 Sq Ft				
6	Bilingual Keyboards					
6.1	French & English	11 Nos.				
6.2	Japanese and English	11 Nos.				
6.3	German and English	11 Nos.				
6.4	Russian & English	11 Nos.				
6.5	Chinese & English	11 Nos.				
7	Video/ Content Server	1 No.				
<b>C</b>	<b>E-Resource Centre at Nay Pyi Taw</b>					
1	Desktop Computers with licensed MS Win 7, MS Office & Anti-Virus	10 Nos.				
2	Advanced Noise Cancelling Headset	10 Nos.				
	<b>TOTAL (INR)</b>					
	<b>DISCOUNT (INR)</b>					
	<b>NET TOTAL (INR)</b>					

Rupees: \_\_\_\_\_

\* Includes Item no. 1.1 – 1.6 of Section IV (A) – Schedule of requirement

\*\* Includes Item no. 1.7 – 1.12 of Section IV (A) – Schedule of requirement

\*\*\* Item no. 1.13 of Section IV (A) – Schedule of requirement

† Includes Item no. 1.1 – 1.6 of Section IV (B) – Schedule of requirement

†† Includes Item no. 1.7 – 1.12 of Section IV (B) – Schedule of requirement

††† Item no. 1.13 of Section IV (B) – Schedule of requirement

**Note:**

- Bidder should quote for all the items mentioned above. Partial quotes will be summarily rejected.
- This price bid format is indicative; bidders may quote for additional items, if any required for successful completion of entire project/ all activities.
- Do not quote optional items against the requirement mentioned in this tender.
- Discount (if any) to be offered should be mentioned against in the format provided above. In case it is mentioned elsewhere it will not be considered for the purpose of price comparison.



## 2. PERFORMA OF BANK GUARANTEE TOWARDS EMD

Bank Guarantee No. -----

Ref:

To

The Ministry of External Affairs  
Jawaharlal Nehru Bhawan  
23-D, Janpath, New Delhi,  
PIN-110011

Dear Sir(s),

Whereas the Ministry of External Affairs having its office at Jawaharlal Nehru Bhawan, 23-D, Janpath, New Delhi-110011 (hereinafter called the MEA) which expression shall, unless repugnant to the context or the meaning thereof, include all its successors, administrators, executors and assignees has on behalf of the President of India invited tender No.----- and M/s ----- having Registered/head office at ----- (Hereinafter called the "Bidder" which expression shall, unless repugnant to the context or the meaning thereof, mean and include all its successors, administrators executors and assignees) have submitted a quotation Reference No. ----- and Bidder having agree to furnish as a conditions precedent for participation in tender as unconditional and irrevocable bank guarantee of Rs----- (Rupees ----- Only) for the due performance of Bidder's obligations as contained in the terms of the Notice inviting tender and other terms and conditions contained in the tender Documents supplied by the MEA specially the conditions that (a) bidder shall keep his bid open for a period of day i.e. from ----- to ----- or any extension thereof, and shall not withdraw or modify it in a manner not acceptable to the MEA (b) the Bidder will execute the contract, if awarded, and shall furnish performance guarantee in the format prescribed by the MEA within the required time. The Bidder has absolutely and unconditionally accepted these conditions. The MEA and the Bidder have agreed that tender document is an offer made on the condition that the bids, if submitted would be kept open in its original form without variation or modification in a manner not acceptable to the MEA for a period of -----days i.e. from ----- to ----- or any, extension thereof and that submission of the bid itself shall be regarded as an unconditional and absolute acceptance of the conditions, contained in the tender documents. They have further agreed that the contract consisting of tender documents as the OFFER and submission of the bids as the ACCEPTANCE shall be a separate contract distinct from the contract which will come into existence when the bid is finally accepted by the MEA. The consideration for this separate initial contract preceding the main contract is that the MEA is not agreeable to sell the tender documents to the Bidder and to consider the tender to be made except on the condition that the bids shall be kept open for the period indicated above and the Bidder desires to submit bid on this condition after entering into this separate initial contract with the MEA promises to consider the tender on this condition and Bidder agrees to keep this bid open for the required period. These reciprocal promises form the CONSIDERATION for this separate initial contract between the parties.

2. Therefore, we ----- registered (indicate the name of Bank) under the laws of ---- -----having head/registered office at (hereinafter referred to as the "Bank") which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators and executors hereby issue irrevocable and unconditional bank guarantee and undertake to pay immediately on first demand in writing Rupees all money to the extent of Rs----- (Rupees----- only) at any time immediately on such demand without any demur, reservations, recourse, contest or protest and/ or without any reference to the Bidder and any such demand made by the MEA on the bank shall be conclusive and binding notwithstanding any difference between the MEA and the Bidder or any dispute pending before any court/arbitrator or any other matter whatsoever. We also agree to give that Guarantee herein the MEA in writing. This guarantee shall not be determined/discharged/affected by the liquidation, winding up, dissolution or insolvency of the Bidder and will remain valid, binding and operative against the bank.

3. The bank also undertakes that the MEA at the option shall be entitled to enforce this guarantee, against the Bank as a principal debtor, in the first instance, without proceeding against the Bidder.

4. The bank further agree that as between the bank and the MEA, purpose of the guarantee, any notice of the breach of the terms and conditions contained in the bid Documents as referred above given to the bank by the MEA shall be conclusive and binding on Bank, without any proof, notwithstanding any other matter or difference or dispute whatsoever. We further



agree that this guarantee shall not be *affected* by any change in our constitution, in the constitution of the MEA or that of the Bidder. We also undertake not to revoke, in any case, this Guarantee during its currency.

5. The bank agree with the MEA that the MEA shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms of the tender or get extension of the validity period from time to time. We shall not be relieved from our liability by reason of any such variation or extension of the validity period or for any forbearance, act of omission and commission on the part of the MEA or any indulgence shown by the MEA to the said Bidder or by any such matter or thing whatsoever which under the law relating to sureties, would, but for this provision, have the effect of so relieving us.

6. Notwithstanding anything contained here in above our liability under his Guarantee is limited to Rs. ----- (Rupees ----- only) in aggregate and it shall remain in full force upto ----- (225 days from the date of bid opening) unless extended further from time to time, for such period as may be instructed in writing by M/s ----- on whose behalf this guarantee has been given, in which case, it shall remain in full force upto the expiry of extended period. Any claim under this guarantee must be received by us before ----- (date of expiry of validity period) or before the expiry of extended period, if any. If no such claim is received by us within the said date/extended date, the rights of the MEA under this guarantee will cease. However, if such a claim has been received by us within and upto the said date/extended date, all right of the MEA under this guarantee shall be valid and shall not cease until we have satisfied that claim.

7. In case contract is awarded to the Bidder here in after referred to as "Contractor" the validity of this Bank Guarantee will stand automatically extended until the Bidder furnished to the MEA a bank guarantee for requisite amount towards performance guarantee for satisfactory performance of the contract. In case of failure to furnish performance bank Guarantee in the format prescribed by the MEA by the required date the claim must be submitted to us within validity period or extended period, if any. If no such claim has been received by us within the said date /extended date, rights, of the Ministry under this guarantee will cease. However if such a claim has been received by us within the said date/extended date all rights of the MEA under this guarantee shall be valid and shall not cease until we have satisfied that claim,

In witness where of the Bank, through its authorised officer, has sent its hand & stamp on this -----day of at \_\_\_\_\_ of -----at -----of ----- (month & year).

Signature  
(Full name in capital Letters)  
Designation with bank stamp

Witness No.1

Signature  
(Full name and address in capital letters)

Witness No.2

Attorney as per power of attorney  
No -----  
Date -----

Signature  
(Full name and address in capital letters)





### 3. PERFORMA OF PERFORMANCE BANK GUARANTEE

(on non-judicial paper of appropriate value)

In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between .....and ..... (hereinafter called "the said contractor(s)" for the work ..... (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs..... (Rupees.....only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We ..... (hereinafter referred to as the "Bank") hereby undertake to (indicate the name of the Bank) pay to the Government an amount not exceeding Rs ..... (Rupees.....only) on demand by the Government.
2. We ..... do hereby undertake to pay the amounts due and payable (indicate the name of the Bank) under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.....only).
3. We, the said Bank, further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder, and the contractor(s) shall have no claim against us for making such payment.
4. We ..... further agree that the Guarantee herein contained shall (indicate the name of the Bank) remain in full force and effect during the period that would be taken for the performance of the said agreement, and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till the Engineer-in-charge, on behalf of the Government, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s), and accordingly discharges this guarantee.
5. We ..... further agree with the Government that the Government (indicate the name of the Bank) shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s),  
and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We .....lastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of the Government in writing.
8. This Guarantee shall be valid up to .....unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs ..... (Rupees .....only), and unless a claim in writing is lodged with us within six months of the date of expiry or extended date of expiry of this Guarantee all our liabilities under this Guarantee shall stand discharged.

Dated the .....day of..... For .....

(Indicate the name of the Bank)



## 4. MANUFACTURER AUTHORISATION FORMAT

(On manufacturer's letterhead)

Date:

**The Manager – Purchase & HOD**  
**Centre for Development of Advanced Computing**  
**Pune University Campus, Ganesh Khind**  
**Pune – 411 007**

Subject: Manufacturer authorisation against tender no. CDACP/Myanmar-IT/2013/153 for Supply, Installation, Testing & Commissioning of IT Infrastructure on turn-key basis for setting up of Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw in Myanmar

Dear Sir,

We, M/s \_\_\_\_\_ (*Name of the manufacturer*) having registered office at \_\_\_\_\_ (*address of the manufacturer*) by virtue of being manufacturer for \_\_\_\_\_ (*Name of the product/s*), hereby authorise 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.

M/s \_\_\_\_\_ (*Name of the manufacturer*) within the scope of requirement as per the tender mentioned above through its authorised partner M/s \_\_\_\_\_ (*Name of the bidder*) shall provide support & product warranty services for a minimum period of two years form the date of installation.

The undersigned is authorised to issue such authorisation on behalf of M/s \_\_\_\_\_ (*Name of the manufacturer*).

For M/s \_\_\_\_\_ (*Name of the manufacturer*)

Signature & company seal

Name

Designation

Email

Mobile No.