

**TENDER DETAILS FOR
COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC)
FOR
KU-BAND HUB, TEACHING END AND SITs OF**

- ❖ **Tripura Tele-education Network**
- ❖ **Assam Tele-education Network**
- ❖ **Sikkim Tele-education Network**

**भारत सरकार/Government of India
अंतरिक्ष विभाग/Department of Space
उत्तर-पूर्वी अंतरिक्ष उपयोग केंद्र/North Eastern Space Applications Centre
उमियम/Umiar-793103, मेघालय/Meghalaya**

भारत सरकार/GOVERNMENT OF INDIA
अंतरिक्ष विभाग/DEPARTMENT OF SPACE
उत्तर-पूर्वी अंतरिक्ष उपयोग केंद्र/NORTH EASTERN SPACE APPLICATIONS CENTRE
उमियम/UMIAM-793103, मेघालय/MEGHALAYA

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निविदा आमंत्रण सूचना / NOTICE INVITING TENDER

निदेशक एनई-सैक उमियम मेघालय, प्रतिष्ठित सेवा प्रदाताओं, फर्मों, ठेकेदारों आदि को निम्नलिखित के लिए मोहरबंद प्रस्तावों को दो बोली में आमंत्रित करते हैं/Director, NESAC, Umiam, Meghalaya invites sealed offers in two bids from reputed Firms, Contractors etc for the following:

एनआईटी सं. / NIT No.	कार्य का नाम / NAME OF THE WORK	इएमडी(₹) डीडी के रूप में / EMD (₹) IN THE FORM OF DD	निविदा शुल्क / TENDER FEE (₹)
NESAC/719/2016	Comprehensive Annual Maintenance Contract (CAMC) for Ku-Band Hub, Teaching End and SITs of ❖ Tripura Tele-Education Network ❖ Assam Tele-Education Network ❖ Sikkim Tele-Education Network	₹3,53,570/-	₹500/-

दस्तावेजों के विक्रय का दिनांक/Dates for selling of tender documents: 25.07.2016 to 24.08.2016 upto 1300 Hrs

निविदा दस्तावेजों को जमा करने की अन्तिम तिथि व समय / Last date & Time for submission of tender documents: 24.08.2016 upto 1400 Hrs

निविदा खोलने की तिथि, समय व स्थान / Date, Time & Venue of Bid Opening: 24.08.2016 at 1500 Hrs at एनई-सैक, उमियम / NESAC, UMIAM

OFFERS ARE TO BE SUBMITTED IN TWO PARTS ONLY

PART-I : TECHNICAL & COMMERCIAL

PART-II : PRICE BID

INSTRUCTIONS ARE AS PER TENDER DOCUMENTS

NOTE:

Tender documents can be downloaded from the NESAC Website: www.nesac.gov.in

Dated: 23.07.2016

Sd/-
निदेशक, एनईसैक / Director NESAC

Important Points to be noted by the Tenderer:

- *Director, NESAC, Umiam reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons thereof.*
- *Director, NESAC, Umiam reserves the right to cancel the tendering/purchase process without assigning any reasons thereof.*
- *Each page of the tender is required to be signed with initial and stamp by the person or persons submitting the tender in token of his/their having acquired himself/themselves with the conditions of tender as lay down. Any tender with any of the documents as specified gone missing or not so signed will be considered invalid and rejected.*
- *All alternations made while filling the tender must be attested by initials of the tenderer, Overwriting of figure is not permitted; failing to comply with either of these conditions will render the tender void. No change in the rate or conditions after the opening of the tender will be entertained.*
- *NESAC will award the contract to the successful tenderer whose bid has been determined to be substantially responsive and as per the requirement of NESAC.*
- *NESAC reserves the right to award the order to technically qualified party only based on evaluation.*
- **The tenderer should submit an Earnest Money Deposit (EMD) of ₹ 3,53,570/- along with the techno-commercial Bid in the following manner.**
 - a. *Crossed Demand Draft drawn on any Nationalized Bank in favour of Director, NESAC, payable at SBI, Umiam (Branch 2010)*
 - b. *EMD submitted in any form other than as specified above shall not be accepted and shall lead to rejection of the offer. Vendors/firms name and Tender No. shall be indicted on the reverse side of the Demand Draft.*
 - c. *DD should not be dated prior to the date of advertisement / intimation / website. Separate requests and demand drafts shall be sent for each tender document.*

EMD shall be forfeited in the following events:

- a. *If the offer is withdrawn during the period of validity of the offer or any agreed extension.*
 - b. *If the offer is modified/alterd in a manner not accepted to NESAC.*
 - c. *If the tenderer backs-out*
 - d. *If the tenderer attempts to procure the contract by furnishing false/incorrect documents and by giving false declarations.*
- *The Tender which is not accompanied by the earnest money will not be considered. No interest shall be paid by NESAC on EMD. The EMD of un-successful bidders shall be returned within a reasonable time after the selection of successful bidders. The EMD of the successful bidder shall be returned on completion of the total work.*

- **Tender documents will be hosted on NESAC Web site of <http://www.nesac.gov.in>. Interested tenderers may, at their option, download the tender documents from website and submit offers along with prescribed tender cost and EMD (in the form of Demand Draft) as per details in the tender notification. The Demand Draft should be sent in a separate cover with a covering letter along with the cover containing the quotation.**
- **While requesting for tender documents, please do not superscribe tender number and due date on the envelop. Instead indicate "Request for Tender Documents".**
- **Detailed specification, terms and conditions are furnished in the tender documents.**
- **NESAC will not be responsible for non-receipt of tender documents/offers due to postal delay / loss in transit.**
- **Quotations received without required tender fee of ₹ 500/- will be treated as unsolicited.**
- **Quotations received after the due date and time will not be considered.**
- **While submitting your offer please superscribe tender no and due date on the envelope. Addressed to The Administrative Officer, North Eastern Space Applications Centre, Government of India, Department of Space, Umiam – 793 103, Meghalaya, INDIA**
- **If tender opening date happens to be public holiday tender will be opened on the next Working day & interested Vendors may depute their Representatives with proper authorization letter to attend the Public Tender opening.**
- **Request for the extension of the due date will not be considered.**
- **Director, NESAC reserves the right to accept or reject any tenders in part or full without assigning any reasons thereof.**
- **Please specify tax percentage clearly in your offer.**
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- **In order to avail of the benefits extended to the Micro and Small Enterprises, Vendors are requested to submit Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre or NSIC registration details or any other authority so do authorised.**

SPECIAL INSTRUCTIONS FOR 2 PART TENDER

North Eastern Space Applications Centre (NESAC) requests you to send your quotation in two parts (in 2 separate sealed covers) as follows:

PART I TECHNICAL PART:

Please submit your proposal in respect of Specifications and Commercial Terms only. Please note that the service charges (price details) should not be indicated in Part-I

The envelope should be Super-scribed with

Techno-commercial Part 1

Reference No:

Due date:

Note: Part 1 should not contain any price details

PART II (PRICE PART)

Part-II should contain only the service charges. The quotation for service charges (Price details) thus prepared should be placed in another envelope and super-scribed as follows:

Price Part II

Reference No:

Due date :

Both the envelope (Part 1 and Part II) Prepared should be placed in another envelope and super-scribed as follows:

Reference No:

Due date :

Containing (Technical + Price bid) and sent to

THE ADMINISTRATIVE OFFICER
NORTH EASTERN SPACE APPLICATIONS CENTRE
GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
UMIAM – 793 103
MEGHALAYA, INDIA

Note:

1. The above should reach us on or before the due date and time.
2. DIRECTOR, NORTH EASTERN SPACE APPLICATIONS CENTRE, GOVERNMENT OF INDIA, DEPARTMENT OF SPACE, UMIAM – 793 103, MEGHALAYA RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OF THE QUOTATION IN FULL/ PART THEREOF WITHOUT ASSIGNING ANY REASONS

CONTENTS

1.0 Introduction

2.0 Scope of Work

3.0 Terms & Conditions

3.1 General

3.2 Commercial

5.0 Penalty / LD clause

6.0 Fall clause

7.0 Force Majeure

8.0 Arbitration

9.0 Terminating of CAMC

10.0 Addition / Deletion Clause

11.0 Compliance Statement

- Annexure–1 : Site address & Address of Nodal agency / coordinators of respective Tele-education Network**
- Annexure–2 : List of items/Elements to be covered under CAMC of respective Tele-education Network**
- Annexure–3, 4, 5 : Format for submitting quotation**
- Annexure–6 : Format of CAMC certificates**

1.0 Introduction:

Under Edusat Utilization Project, ISRO had implemented Satellite based Tele Education Networks at various State departments/ Institutes/ User agencies/ Universities across the country.

In NER, ISRO had implemented Tele Education networks, which included deployment of Ku band Hub, Teaching End & Satellite Interactive Terminal (SITs) in the 07 states of NER except Manipur. These networks are being utilized by respective state user agencies. The hardware and software of the Hub (OEM - Viasat), Teaching End and Satellite Interactive Terminals (SITs) with Student End Equipments of networks are supplied and installed by M/s Bharat Electronics Ltd., Bangalore.

This tender is for awarding on-site Comprehensive Annual Maintenance Contract (CAMC) to vendor for following items/equipments, which are installed, commissioned and operational at Assam, Sikkim and Tripura Tele-education networks are as mentioned in Table - 1:

Table-1:

User Agency / Network	Tripura	Assam	Sikkim	Total
Ku-band Hub	01 Nos	01 Nos	01 Nos	03 Nos
Teaching End	01 Nos	01 Nos	01 Nos	03 Nos
Operational Ku-band SITs with Student End Equipments	22 Nos (out of 50 SITs commissioned)	24 Nos (out of 32 SITs commissioned)	35 Nos (out of 49 SITs commissioned)	81 Nos

2.0 Scope of Work

The scope of work under purview of on-site **Comprehensive Annual Maintenance Contract (CAMC)** is given below:

- 2.1 Vendor shall carry out on-site comprehensive maintenance of Hub (03 Nos), Teaching end (03 Nos) and Satellite Interactive Terminals-SITs (81 Nos) of Tripura, Assam and Sikkim Tele-education Networks. (Site Address and contact details are enclosed in **Annexure-1**)
- 2.2 Vendor shall carry out preventive maintenance twice (Two Times) in a year for Hub & Teaching end. For SITs, Vendor shall carry out preventive maintenance once in year.
- 2.3 Vendor shall carry out Hub software maintenance using available CD with User Agency of respective network / NESAC/ISRO for existing version at free of cost. Vendor will provide software maintenance for teaching end and SITs by loading of software, if required at free of cost.
- 2.4 Vendor shall provide maintenance services for TrainNet Server Software & Teaching End Software for Tripura, Assam and Sikkim Tele-education Networks.
- 2.5 Vendor has to prepare detailed maintenance report for each maintenance activity carried out for Hub, Teaching end & SITs and sent to the respective coordinators of the Tripura, Assam and Sikkim Tele-education Networks, with copy to NESAC.
- 2.6 The duration of CAMC is for one year at present for above Tele-education Networks and may be extended for another year depending on need at that time.
- 2.7 The list of items to be maintained under CAMC for respective Hub, Teaching End and SITs of Tele-education network are given in **Annexure-2**.

3.0 Terms & Conditions:

3.1 General:

- 3.1.1 **All vendors have to provide certificates from M/s ViaSat Inc., USA or OEM (Original Equipments Manufacturer) authorized Indian representative to support maintenance activity related to Tele-education Hub & all remote end equipments during CAMC period. Offer received from the vendor without providing above certificates will not be considered. This is a prerequisite for this contract.**
- 3.1.2 Vendor shall provide document for proof of handling similar VSAT / Satcom based networks over a period of 3 years.
- 3.1.3 Vendor has to visit Hub & Teaching End (TE) site and find out operational status (Upfront verification) as soon as they get the work order (WO). They must submit the status report at the earliest (not later than one month from the date of WO). The operational Hub & Teaching End will be placed under CAMC on immediate basis

from the date of written communication from the vendors regarding accepting the CAMC for that particular HUB & TE. If any HUB or TE found non-operational due to faulty equipment, vendor has to inform it to NESAC first and then repair/replace it, at the consent of NESAC & make it operational. After making it operational, it will be placed under CAMC on immediate basis from the date of written communication of the vendors regarding accepting the CAMC for that particular HUB & TE. The rate for repair/replace of the faulty units will be taken from the rates as quoted in the price bid by the vendor.

- 3.1.4 Vendor has to find out the operational status (Upfront verification) of listed 81 SITs as soon as they get the work order (WO). They must submit the status report at the earliest (not later than one month from the date of WO). As per the available information at NESAC, all these 81 SITs are working fine. Upfront verification of SITs may be done first by remote access of the SITs by using the HUB. The operational SITs confirmed through remote access will be placed under CAMC on immediate basis from the date of written communication from the vendors regarding accepting the CAMC for that particular SITs. A SIT will be considered as operational when all the components of SITs including peripherals are found working and successful two way Video & Audio interaction conducted between SIT and Teaching End (i.e. fully operational). Details should be given by vendor in the status report.
- 3.1.5 For the SITs found non operational/inaccessible through remote access due to means, the vendor must visit the site of SITs. Before going for site visit, the vendor must inform to NESAC with details and after the site visit the vendor must submit the detail report to NESAC. The site visit charge will be taken from the rate as quoted in the price bid by the vendor.
- 3.1.6 At the consent of NESAC, the vendor has to repair/replace the faulty equipments of the non operational SITs and make them fully operational. After making it fully operational, it will be placed under CAMC on immediate basis from the date of written communication of the vendors regarding accepting the CAMC for that particular SIT. The rate for repair/replace of the faulty units will be taken from the rates as quoted in the price bid by the vendor. This visit to SIT sites for repairing/replacements of faulty item to make it operational will be considered as 'Preventive Maintenance' visit and no extra payment will be made for site visit.
- 3.1.7 For the operational SITs confirmed through remote access, 'Preventive Maintenance' visit may be done at the consent of NESAC.
- 3.1.8 The term comprehensive means vendor shall diagnose and repair/replace the faulty component/system/peripherals/ Software at free of cost (Excluding Consumables) installed for Tele-education hub, Teaching End and SITs of the respective networks using its own resources and equipments within given time frame to make system operational. The part replaced has to be same or equivalent or higher specification. Vendor shall prepare maintenance report for each maintenance activity carried out and sent to the Engineer-in-Charge/focal person of the respective network with a copy to NESAC

- 3.1.9 The CAMC includes hardware and software of Hub, TE, SITs and UPS, which ensures total connectivity between a SIT and Hub, as well as total connectivity between Hub and SIT.
- 3.1.10 Vendor should supply and install McAfee Antivirus Software for TrainNet Servers in respective hub (03 Nos.) and SITs 81 (Nos.) of above Tele-education Networks. Vendor shall provide the user certified installation report with detail on validity of license of McAfee Antivirus Software. The rate for this anti-virus software will be taken from the rate as quoted in the price bid by the vendor.
- 3.1.11 Vendor shall depute an experienced Engineer to provide quick response and solution for maintenance requirement during the contract. The Engineer shall be specifically trained in the handling for maintenance of the VSATs Hubs and networks.
- 3.1.12 Vendor shall provide a single contact point with Help Desk for all break down calls reported for this contract. Help desk shall have a contact phone no., Email, Fax & address etc. and shall be available on Monday to Saturday (From 9:00 Hrs to 18:00 Hrs), to carry out the activities under the scope of this CAMC. Vendor must confirm complain/docket number to user and maintain the logbook.
- 3.1.13 Vendor shall coordinate with respective nodal agency of network for maintenance of network during CAMC period.
- 3.1.14 All logistics like arrangement of required equipments, transport of equipments and lodging/boarding for maintenance personnel would be the responsibility of vendor.
- 3.1.15 In the event of the damages to user's property or personal injury of vendor / respective nodal agency of network due to the negligence of employee of vendor, the responsibility shall be solely rest with vendor.
- 3.1.16 NESAC / Nodal agency of respective network shall not be responsible for the loss of life of employee of vendor at the time of performance of contract at respective nodal agency's premises due to natural calamities / accident explosion etc., if any.
- 3.1.17 The persons engaged by the vendor for carrying out the maintenance work will not have any right or claim for regular employment in any of the **NESAC/DOS** or respective nodal agency of network.
- 3.1.18 CAMC shall be awarded initially for a period of **one year** and extended for **further one year** with same scope of work and Terms & conditions by NESAC, if required by nodal agency of respective network.
- 3.1.19 Vendor shall submit the price bid of CAMC of network as per the format given in **Annexure-3, 4 and 5** in a separate sealed envelope.
- 3.1.20 Vendor shall submit CAMC certificates along with maintenance service reports for each maintenance activity carried out for respective Tele-education Network and get duly certified by Tele-education Coordinator of network for payment claim. The format of CAMC certificates are given in **Annexure-6**.

3.2 Commercial:

- 3.2.1 **Vendor should submit the quotation in two parts (1) Techno-commercial bid and (2) Price bid (Anexure-3, 4, 5) in two separate sealed envelopes superscribing the purchase reference/Tender number and due date for submission. Along with the techno-commercial bid, copy of price bid without mentioning the prices with details of the items offered should be enclosed.**
- 3.2.2 Vendor shall provide two-way transit insurance along with indemnity bond for security of material whenever items are handed over by user agency for repair/replacement.
- 3.2.3 Vendor shall coordinate with concern Tele-education coordinator of user agency for Road Permit / Way Bills for movement of material to and from sites of NE States. The road Permit / Way Bills for movement of material shall be arranged by concern Tele-education coordinator and handed over to vendor.
- 3.2.4 Taxes and duties to be reimbursed extra as applicable. Customs duty on imports by vendor under the CAMC shall reimburse as actual.
- 3.2.5 Validity of quotation shall be **180 days** from the date of submission of tender bid.
- 3.2.6 NESAC reserves the right to accept or reject the offer of the firms/vendor.
- 3.2.7 **Contract Manager:** NESAC will nominate a Contract Manager for this contract for the purpose of matters related to this CAMC after release of WO. All correspondence shall be marked in his/her name.

4.0 Payment:

- 4.1 The AMC charges shall be paid on pro-rata basis at the end of each quarter for the followings on submission of invoice along with user certified document by vendor and duly verified & approved by Contract Manager, NESAC:
 - (a) **Hub** - 03 Nos.
 - (b) **Teaching End** – 03 Nos.
 - (c) **Operational SITs** – 81 Nos.
- 4.2 The charges for supply and installation of McAfee Antivirus Software (Server in Hub:– 03 Nos. and SITs:– 81 Nos.) will be paid on submission of user certified installation report with detail on validity of license of McAfee Antivirus Software.
- 4.3 The charges for repaired/replaced items & consumables will be paid on submission of user certified installation report.

Vendor shall address the invoice to **The Administrative Officer, North Eastern Space Applications Centre (NESAC), Department of Space, Govt. of India, Umiam – 793103. Ri-Bhoi (Dist.), Meghalaya.**

For claiming payments, vendor shall send the invoice with user certified documents to The Administrative Officer, North Eastern Space Applications Centre (NESAC), Department of Space, Govt. of India, Umiam – 793103. Ri-Bhoi (Dist.), Meghalaya.

5.0 Penalty Clause:

The down time is **7 (Seven) working days** for the HUB/TE of respective networks. The faults reported/lodged from the user must be attended and repaired within **7 (Seven) working day** from the date of lodging of complaint. For each subsequent day of delay after **15 (Fifteen) working days** from the date of lodging the complaint, **0.2 % of quarterly CAMC value** per day will be recovered from the bill with ceiling of **10 % of quarterly CAMC value** of respective hub and teaching end.

The down time is **15 (Fifteen) working days** for the SITs of respective networks. The faults lodged from the user must be attended and repaired within **15 (Fifteen) working days** from the date of lodging of complaint. For each subsequent day of delay after **20 (Twenty) working days** from the date of lodging the complaint, **0.2 % of quarterly CAMC value** per day will be recovered from the bill with ceiling of **10 % of quarterly CAMC value** of respective SIT of the respective networks.

6.0 Fall Clause:

The charges for the above work shall in no event exceed the lowest charges at which you provide similar service of any other party during the currency of the service contract. If, at any time during the said period, you reduce the charges for similar work to any other customer, you shall forthwith notify the same to us and the charges payable under the contract for the service shall stand correspondingly reduced.

7.0 Force Majeure:

Should a part or whole of the services covered in this contract be delayed due to reasons of force majeure (in the respective networks for sites identified by ISRO) which shall include Lock-outs, strikes, riots, civil commotion, fire accidents, acts of God, war, stoppage of deliveries by Government, the schedules referred in the clause 2.3 & 2.5 shall be extended by a period(s) not in excess of duration of such force majeure event. Each party undertakes to advise the other as soon as it becomes aware of the circumstances of such force majeure event. So that actions under the provisions of those orders can be mutually reviewed and agreed upon between vendor and NESAC/ISRO. If the force Majeure conditions extend over a period of six months both the parties of the order shall mutually discuss and arrive at an agreement for continuation or termination of the contract for the particular sites at which the events have affected performance of the CAMC.

8.0 Arbitration:

Disputes, if any, shall be settled mutually, failing which it shall be referred to a one man Arbitrator appointed by Director, NESAC, Shillong in accordance with Indian Arbitration and Conciliation Act 1996, whose decision shall be final and binding on both the parties

9.0 Termination of Contract:

NESAC reserves the right to terminate the contract if the performance of the Vendor is found to be unsatisfactory during its currency of the contract by giving one month's notice in writing without any financial implications on either side.

10.0 Addition / Deletion of Hub, TE and SITs during of tenure of the CAMC:

NESAC reserve the right to add or delete any Hub, TE and SITs on pro-rata basis during tenure of the CAMC. The Hub, TE and SITs which are in working order, shall be added/deleted to the CAMC at the discretion of NESAC. Any deletion / addition of Hub, TE and SITs from the CAMC will be effective on the starting of any month depending on the situation. NESAC shall notify vendor in writing of such addition or deletion. NESAC also reserve the right of adding (also deleting if required after addition) of any Hub, TE and SITs of Tele-education networks of other NE states i.e. Arunachal Pradesh, Nagaland, Mizoram & Meghalaya during tenure of the CAMC on pro-rata basis as per same terms and condition. Vendor may specify which rate to be taken from the quoted rate of 03 states (i.e. Assam, Sikkim and Tripura) for the CAMC services for the additional 4 states as mentioned above.

11.0 Compliance Statement:

Vendor should confirm compliance to each of the sections of tender document individually otherwise the offer will be rejected. A detailed compliance statement should be submitted with offer duly signed by authorized representative of the vendor.

Site Addresses of respective Tele-education Networks of NE states under CAMC

1.0 Tripura Tele-education Network

1 (a) Site Addresses of Tripura Tele-education Network

Hub :- State Council of Education Research & Training (SCERT), P.O. Abhoynagar, Agartala - 799005	
Teaching End :- State Council of Education Research & Training (SCERT), P.O. Abhoynagar, Agartala - 799005	
SITs – 16 Nos	
1	ID-11:- BBI Dharmanagar,P.O.- Dharmanagar Dist.- North Tripura,Pin.-799250
2	ID-38:- Sabroom boys Highschool,P.O.-Sabroom Dist.- South TripuraPin.-799145
3	ID-37:- Kalyanpur HS School, P.O.- Kalyanpur Dist.- West Tripura, Pin.-799
4	ID-31:- Birchandrmanu HS School,P.O.-Chakmapara via Garjee, Dist.- South Tripura,Pin.-799252
5	ID-30:- Ampinagar HS School,P.O.- Ampinagar Dist.- South Tripura,Pin.-799108
6	Ledrai Dewan H.S. School, Pecharthal, Kanchanpur-799265
7	ID-16:- Pabiyacharra HS School,P.O.-kumarghat Dist.- North Tripura Pin.-799264
8	ID-35:- Hrishyamukh Girls H/S School,P.O.- Hrishyamukh Dist.- South Tripura,Pin.-799156
9	Kanchanpur H.S. School, Kanchanpur-799270
10	ID-36:- Teliamura H/S School,P.O.-Teliamura Dist.- West Tripura, Pin.-799205
11	ID-44:- Khowai Govt. H/S School,P.O.- Khowai Dist.- West Tripura,Pin.-799202
12	ID-14:- Melagarh H/S School P.O.- Melagarh Dist.- West Tripura,Pin.-799115
13	Salema H.S. School, Salema, Kamalpur-799278
14	ID-17:- Kumarghat H/S School P.O.-Nedebi Dist.- North Tripura,Pin.-799
15	ID:29:- BKI HS School, Belonia P.O.- Belonia Dist.- South Tripura,Pin.-799155
16	ID-27:- Kawamaraghat High School P.O.- Rangrang, Amarpur Dist.-South Tripura,Pin.-799101
17	K.B.I., R.K.Pur, Udaipur Gomati, Tripura-799120
18	Panisagar H.S. School, Panisagar, North Tripura-799260
19	DIET Agartala, West Tripura-799005
20	DIET, Kamalpur, Dhalai Tripura-799285
21	Sabroom girls H.S. School, Sabroom, South Tripura-799145
22	Choudhurybari Girls H.S. School, Jirania, West Tripura-799035

1 (b) Address of Nodal agency / coordinators of Tripura Tele-education Network:

Mrs. Ratish Majumder

Director, SCERT, Agartala, Tripura

E-mail: ratishmajumder.scert@gmail.com

Mr. Kalyan Saha

Technical Assistant

Tele-education, SCERT, Tripura

09615831040 (M)

E-mail: kalyan_syspro@yahoo.co.in

2.0 Assam Tele-education Network

2 (a) Site Addresses of Assam Tele-education Network:

Hub:- IDEA / SIRD, Kahikuchi, Guwahati-17, Kamrup District, Near Airport, Assam	
Teaching End:- IDEA / SIRD, Kahikuchi, Guwahati-17, Kamrup District, Near Airport, Assam	
SITs – 24 Nos	
1	ID-3:- SIRD, Joyasagar, Sibsagar, Assam
2	ID- 14:- SIRD, Boalipar, Hailakandi District, Assam.
3	ID-12:- SIRD, Sariahtoli, Nalbari district, Assam.
4	ID-8 :- SIRD, Abhayapuri, Bongaigaon district, Assam.
5	ID-16 :- SIRD, Saraighat, Bezera, Kamrup district (N), Assam.
6	ID-13 :- SIRD, Dhemaji Development Block, Dhemaji, Assam.
7	ID-7 :- SIRD, Anohalik Jansewa Samity, Agis, Goalpara District., Assam.
8	ID-1:- Co located:- IDEA / SIRD, Kahikuchi, Guwahati-17, Kamrup District, Near Airport, Assam.
9	ID-2 :- SIRD, EC SIRD, Lichubari , P.S. Baghchung, Dist Jorhat, Pin 785608
10	ID-4 :- SIRD, Sonitpur, old mahkuma parishad, biswanath chariali, Dist: Sonitpur
11	ID-11 :- SIRD, Duliajan, Dibrugarh, Assam
12	ID-15:- SIRD, Kajalgaon, Chirrang, Assam
13	ID-17 :-DIET, Kahilipara, Dist., Guwahati.
14	ID-19:-DIET, Barpeta, Howli, P.O. Howli, dist Barpeta, Assam.
15	ID-30 :- DIET, Sivasagar, Sonari, P.O.- Sonari, Dist Sivasagar, Assam.
16	ID-32 :- DIET, Sonitpur, Biswanath Chariali, P.O - Biswanath Chariali, Dist Sonitpur, Assam.
17	ID-26:- DIET, Dibrugarh, Chabua, P.O. Dalgaon, Dist District, Assam.
18	ID-23:- DIET, Dalgaon, P.O Dalgaon, Dist: Darrang, 784116
19	ID-25:- DIET, Dergaon, Golaghat, Assam
20	ID-27:- DIET, Azad, Lakhimpur, Assam
21	ID-28:- DIET, Kokrajhar, Assam
22	ID-21:- DIET Morigaon, P.O.- Morigaon Dist -Morigaon, Pin – 782105
23	ID-29:- DIET, Titabor, Puruna Titabor, Jorhat, Assam , Pin-785632
24	ID-31:- DIET, Golokganj, Dhubri, Assam

2 (b) Address of Nodal agency / coordinators of Assam Tele-education Network.

Mrs. C. Mahanta, Sr. Deputy Director, SIRD,
Institute of Development of Entrepreneurs (IDEA),
Kahikuchi, Guwahati-17, Kamrup District, Near Airport, Assam.
Tele-Fax : 0361 - 2843380 / 2363086, (M) 0 94350 13573
Email : sirdassam@sify.com

Focal Person of SIRD for Assam Tele-education Hub:

Mr. Udepta Raj Brahma, 098599 91949 (M) , Email: udepta.sird@gmail.com

3.0 Sikkim Tele-education Network

3 (a) Site Addresses of Sikkim Tele-education Network:

Hub:- SIE Complex, HRD Department, Near Helipad, Burtuk, PO Gangtok, East Sikkim	
Teaching End:- SIE Complex, HRD Department, Near Helipad, Burtuk, PO Gangtok, East Sikkim	
SITs – 49 Nos	
1	Co-located :- SIE Complex, HRD Department, Near Helipad, Burtuk, PO Gangtok, East Sikkim
2	NM100804 :- MANGAN GOVT. S.S.S. , P.O. Mangan, North Sikkim , PIN 737116
3	SN100952 :- TEMI GOVT S.S.S, Temi Sr. Secondary School P.O Temi Bazar, South Sikkim, Sikkim
4	SN100483 :- BERMIOK TOKAL GOVT S.S.S,Bermiok Sr. Secondary School, P.O. Bermiok, South Sikkim, Sikkim
5	SR100403 :- YANGANG GOVT. S.S.S. ,Yangyang Sr. Secondary School, P.O. Yangyang, South Sikkim, Sikkim
6	SN100405 :- NAMCHI BOYS GOVT S.S.S ,Namchi Boys Sr. Secondary Shool, P.O. Namchi- 737126, South Sikkim.
7	SN101217 :- NAMCHI GIRLS GOVT S.S.S, Namchi Girls' Sr. Secondary School, P.O. Namchi, South Sikkim, Sikkim, PIN 737126
8	SR100973 :- VCGL RAVANGLA GOVT. S.S.S., VCGL RAVANGLA GOVT. Sr.Sec.School, P.O. Ravangla, South Sikkim
9	Lingmoo Govt. SSS, Lingmoo Sr. Secondary School, P.O. Lingmoo, South Sikkim, Sikkim
10	EP100670 :- DIKLING GOVT. S.S.S., P.O. Pakyong, East Sikkim
11	EG100688 :- TADONG GOVT. S.S.S. ,P.O. Tadong, Gangtok Sikkim
12	EG100653 :- SANG GOVT. S.S.S. ,P.O. Sang, East Sikkim
13	ER100657 :- RHENOCK GOVT. S.S.S. ,P.O. Rhenock- 737133, East Sikkim
14	EG100628 :- DEORALI GIRLS GOVT. S.S.S., PO. Deorali , Gangtok, East Sikkim
15	EG100630 :- SIR Tashi Namgal S.S.S. , P.O. Gangtok, Development Area, Gangtok, East Sikkim.
16	EG100635 :- ASSAM LINGZEY GOVT.S.S.S., P.O. Assam Linzey, Via Ranipool, East Sikkim
17	EG100719 :- SAMDONG GOVT. S.S.S.,P.O. Samdong. Via Singtam. East Sikkim
18	EP100691 :- MAMRING GOVT. S.S.S. , P.O. Bering - 737106 East Sikkim
19	EG100695 :- TIKALAL NIROULA (CENTRAL PENDAM) GOVT. S.S.S., P.O. Central Pandem- 737132. Via Rangpo, East Sikkim
20	EG100697 :- KHAMDONG SONAMATI MEMORIAL GOVT. S.S.S., P.O. Khamdong - 737134. Via Singtam, East Sikkim
21	EG100673 :- RANKA GOVT. S.S.S., P.O. Ranka, via Ranipool, East Sikkim
22	EG100664 :- ENCHEY GOVT. S.S.S., Above Chandmari, P.O. Raj Bhawan, East Sikkim
23	EG100939 :- BIRASPATI PERSAI (Ranipool) GOVT. S.S.S. ,P.O. Ranipool , East Sikkim
24	EG101084 :- SINGTAM S. S. S. , P.O. Singtam, East Sikkim,
25	WS100932 :- SORENG GOVT. S.S.S., SORENG GOVT. Sr.Sec.School, P.O. Soreng, West Sikkim,Sikkim
26	WS100190 :- DENTAM GOVT. S.S.S. , Dentam Govt. Sr.Sec.School, P.O. Dentam, West Sikkim,Sikkim
27	WG100259 :- TASHIDING GOVT. S.S.S., Tashiding Govt. Sr.Sec.School, P.O. Tashiding, West Sikkim,Sikkim
28	Gangtok_SCERT, SCERT, Helipad Area, Near Law College, Gangtok.
29	WS100168 :- SOMBARIA GOVT. S.S.S., Sombaria Govt. Sr.Sec.School, P.O. Sombaria, West Sikkim,Sikkim
30	WG100171 :- PELLING GOVT. S.S.S., Pelling Govt. Sr.Sec.School, P.O. Pelling, West Sikkim,Sikkim
31	WS100125 :- MANGALBARIA GOVT. S.S.S., Mangalbaria Govt. Sr.Sec.School, P.O. Mangalbaria, West Sikkim,Sikkim
32	Kaluk Govt. Sr. Sec.School, P.O. Kaluk, West Sikkim,Sikkim
33	Gazing_GSSS, P.O. Gazing, West Sikkim
34	Sikkim Govt. College, Namchi, Kamrang, P.O. Namchi, South Sikkim
35	Sikkim Govt.Law College, Burtuk, East Sikkim , Burtuk, Near Halipad, P.O. Gangtok, East Sikkim

3(b) Address of Nodal agency / coordinators of Sikkim Tele-education Network.

Mr. Rajendra Chettri
 Tele-education Coordinator, Joint Director, HRD Dept.
 Tashiling Secretariat P. O.
 Gangtok, Sikkim.
 Tele Fax No. 03592 203050, Mobil No.: 09434241588
 Email Id: sikphq@gmail.com

Mr. Sahadev Bhandari, Mo. No.: 09564927001
 Email Id: sahaddevbhandari99@gmail.com

List of Elements of respective Tele-education Networks of NE states under CAMC:

Ku-Band Hub Elements			
Sr No.	Description	Model/Make	Qty
1	3.8 Mtr. Ku-Band antenna	BEL	1
2	AUPC for 3.8 M Antenna & Beacon Down Converter	JC SC UL 21, JC SC BT 11 Jishnu Communications Ltd.	1
3	4W BUC- ODU with LNB - Hardware ALB 128 Series + ACA series	ALB 128 & ACA series / Agilis	1
4	4W BUC- ODU with LNB - Software	Agilis	1
5	L band converter H/w & S/w	Agilis	1
6	GPS receiver	Brandywine comm.	1
7	TDU	Viasat	1
8	Sun Server	Sunfire	1
9	Out route Modulator	Linkstar/ Viasat	1
10	NMS PC CPU, Monitor with NMS Software	Viasat	1 Set
11	Router	Cisco	1
12	IP Encapsulator (SMR)	Viasat	1
13	L band splitter	ETL system	1
14	Gateway Control Unit	Viasat	1
15	10 KVA On line UPS with 4.00 Hrs SMF batteries back up	Seris 4110/ E & O Aqua Power	1 Set
16	Server for loading Antivirus software with monitor	HP-ML350G5	1Set
17	License for Antivirus software	Mcafee AVS ENT	1
18	Server for LMS software with monitor	HP Proliant M 350 or equivalent	1 Set
Teaching End Elements			
Sr No.	Description	Make/ Model	Qty
1	Handy Cam with Tripod	Sony DCR TRV 285E	1
2	PTZ Camera	Sony EVI D70P	1
3	Video Mixer (with 3D Effects)	Panasonic AG MX 70E	1
4	Wireless Microphone (UHF) Set of 2 Nos.	Bayer dynamics OPUS 159 U	1
5	Collar Microphone	Sony ECM 44 B	1
6	4 Channel Audio Mixer	Shure SCM 410	1
7	Speakers (L + R) with Amplifier	Yamaha MSP 5A	1 Set
8	Video Capture Computer Hardware with Osprey 230 card, Storage Computer, Monitor & Operating System	HP DX 6100	1 Set
9	Power Point Presentation Computer with monitor	HP DX 6100	1 Set
10	LMS Software Consisting of Server End Component and 1 Teaching End Component	TrainNet	1
11	Anti-virus Software	Mcafee AVS ENT	2
12	Ethernet Switch	3 Com	1
Ku-band SIT Elements			
Sr No.	Description	Make/ Model	Qty
1	1.2 Mtr Ku-band antenna system with feed	COMSAT	1
2	Ku-band 2W BUC with	NJRC (NJT5036/36F or latest)	1
3	Ku-band PLL LNB	NJRC (NJR 2537S or latest)	1
4	Antenna earthing kit	1 set	
5	IFL Cables-30m	Standard (RG11)	1 Set
6	RCST/ IDU with AC power cord	ViaSat/Linkstar-S2A	1
7	1 KVA UPS with 4 hours power backup capacity with SMF Battery (100AH-12V)	As available in site	1 Set

8	External Battery charger for UPS	standard	1
9	UPS Battery stand (Housing Chasis)		1
10	Video Capture Computer including Monitor (18" hp), Keyboard, Mouse and cables (HP Pro 3330MT) with Osprey card (Osprey-230) & VGA to Pal card (GeForce-GF6200TC/e-GeForce4/Sparkle 8400 GS)	HP (Pro 3330MT)	1 Set
11	HandyCam with cable, power adapter & Tripod	Sony DCR SR45E	1
12	Wireless Microphone (UHF) base unit including power adapter with Microphone	MIPRO (MH-801a)	1 Set
13	Amplifier with Speakers (L + R)	BOSCH (LBD 1906, LBD 8973)	1 Set
14	Multimedia Projector with VGA Cable	BENQ (MX-505)	1
15	Power supply board	As available in site	02
16	Projector Screen	Focus	1
17	LMS Software - Student End Per PC	LearnMate	1
18	Train Net Client Software for Student End PC	Robocorp-trainNet Client	1
19	Anti-virus Software	Mcafee AVS ENT	1

Format for submitting quotation

Sr. No	Description	Qty	CAMC Cost for First Year		CAMC Cost for Second Year	
			Unit Rate per annum (Rs.)	Amount (Rs.)	Unit Rate per annum (Rs.)	Amount (Rs.)
1	Comprehensive Annual Maintenance Contract (CAMC) of Tele-education Hub with TrainNet Software Tripura Tele-education Network for period of One year as per Scope of work and Terms & Conditions of the RFP.	01 Nos				
2	Comprehensive Annual Maintenance Contract (CAMC) of Teaching End with TrainNet Software of Tripura Tele-education Network for period of One year as per Scope of work and Terms & Conditions of the RFP.	01 Nos				
3	Comprehensive Annual Maintenance Contract (CAMC) of Ku band SITs with TrainNet Software of Tripura Tele-education Network for period of One year as per Scope of work and Terms & Conditions of the RFP.	22 Nos				
4	Comprehensive Annual Maintenance Contract (CAMC) of Tele-education Hub with TrainNet Software of Assam Tele-education Network for period of one year as per Scope of work and Terms & Conditions of RFP	01 Nos				
5	Comprehensive Annual Maintenance Contract (CAMC) of Teaching End with TrainNet Software of Assam Tele-education Network for period of one year as per Scope of work and Terms & Conditions of RFP	01 Nos				
6	Comprehensive Annual Maintenance Contract (CAMC) of Ku band SITs with TrainNet Software of Assam Tele-education Network for period of one year as per Scope of work and Terms & Conditions of RFP	24 Nos				
7	Comprehensive Annual Maintenance Contract (CAMC) of Tele-education Hub with TrainNet Software of Sikkim Tele-education Network for period of one year as per Scope of work and Terms & Conditions of RFP.	01 Nos				
8	Comprehensive Annual Maintenance Contract (CAMC) of Teaching End with TrainNet Software of Sikkim Tele-education Network for period of one year as per Scope of work and Terms & Conditions of RFP.	01 Nos				
9	Comprehensive Annual Maintenance Contract (CAMC) of Ku band SITs with TrainNet Software of Sikkim Tele-education Network for period of one year as per Scope of work and Terms & Conditions of RFP.	35 Nos				
10	Maintenance services for TrainNet Server Software & Teaching End Software of Tripura, Assam & Sikkim Tele-education Networks for one year	03				
11	McAfee Antivirus software for SITs	81				
12	McAfee Antivirus software for TrainNet Servers	03				
Final Total						

Rate for various elements/spares under Tele-education Networks of NE states under CAMC:

Ku-Band Hub Elements			
Sr No.	Description	Model/Make	Unit rate (Rs.)
1	3.8 Mtr. Ku-Band antenna	BEL	
2	AUPC for 3.8 M Antenna & Beacon Down Converter	JC SC UL 21, JC SC BT 11 Jishnu Communications Ltd.	
3	4W BUC- ODU with LNB - Hardware ALB 128 Series + ACA series	ALB 128 & ACA series / Agilis	
4	4W BUC- ODU with LNB - Software	Agilis	
5	L band converter H/w & S/w	Agilis	
6	GPS receiver	Brandywine comm.	
7	TDU	Viasat	
8	Sun Server	Sunfire	
9	Out route Modulator	Linkstar/ Viasat	
10	NMS PC CPU, Monitor with NMS Software	Viasat	
11	Router	Cisco	
12	IP Encapsulator (SMR)	Viasat	
13	L band splitter	ETL system	
14	Gateway Control Unit	Viasat	
15	10 KVA On line UPS	Emerson, APC (Schneider), Novateur Electrical & Digital Systems (Nemic)	
16	10 KVA On line UPS with 4.00 Hrs SMF batteries back up	Emerson, APC (Schneider), Novateur Electrical & Digital Systems (Nemic) Battery: Exide/Amarraja	
17	SMF battery (100 ah, 12 volt)	Exide/Amarraja	
18	License for Antivirus software	Mcafee AVS ENT	
19	Server for LMS software with monitor	HP Proliant M 350 or equivalent	
20	Server for loading Antivirus software with monitor	HP-ML350G5	
Teaching End Elements			
Sr No.	Description	Make/ Model	
1	Handy Cam with Tripod	Sony DCR TRV 285E	
2	PTZ Camera	Sony EVI D70P	
3	Video Mixer (with 3D Effects)	Panasonic AG MX 70E	
4	Wireless Microphone (UHF) Set of 2 Nos.	Bayer dynamics OPUS 159 U	
5	Collar Microphone	Sony ECM 44 B	
6	4 Channel Audio Mixer	Shure SCM 410	
7	Speakers (L + R) with Amplifier	Yamaha MSP 5A	
8	Video Capture Computer Hardware with Osprey 230 card, Storage Computer, Monitor & Operating System	HP DX 6100	
9	Power Point Presentation Computer with monitor	HP DX 6100	
10	LMS Software Consisting of Server End Component and 1 Teaching End Component	TrainNet	
11	Anti-virus Software	Mcafee AVS ENT	
12	Ethernet Switch	3 Com	
Ku-band SIT Elements			
Sr No.	Description	Make/ Model	
1	1.2 Mtr Ku-band antenna system with feed	COMSAT	
2	Ku-band 2W BUC with	NJRC (NJT5036/36F or latest)	
3	Ku-band PLL LNB	NJRC (NJR 2537S or latest)	

4	Antenna earthing kit	1 set	
5	IFL Cables-30m	Standard (RG11)	
6	RCST/ IDU with AC power cord	ViaSat/Linkstar-S2A	
7	Power adapter for RCST/IDU		
8	1 KVA UPS with 4 hours power backup capacity (with Amara Raja or Exide battery backup-3 Nos of battery)	Emerson, APC (Schneider), Novateur Electrical & Digital Systems (Nemeric)	
9	1 KVA UPS with 4 hours power backup capacity (without battery)	Emerson, APC (Schneider), Novateur Electrical & Digital Systems (Nemeric)	
10	SMF Battery (100AH-12V) for 1KVA UPS (Amara Raja or Exide for industrial applications)	Exide/Amara Raja	
11	External Battery charger for UPS	standard	
12	UPS Battery stand (Housing Chasis)		
13	Video Capture Computer including Monitor, Keyboard, Mouse and cables (HP Pro 3330MT) with Osprey card (Osprey-230) & VGA to Pal card (GeForce-GF6200TC/e-GeForce4/Sparkle 8400 GS) or HIGHER VERSION	HP (Pro 3330MT)	
14	Computer-CPU (configuration of CPU is (Intel Core i3-2130 Processor (3.4 GHz), 2GB DDR3 SDRAM, 500GB SATA HDD, Windows 7 PRO OS) or HIGHER	HP (Pro 3330MT)	
15	18" Monitor (HP)	HP (LV 1911 or Latest)	
16	VGA Cable for Monitor-1.5m	Standard	
17	Keyboard (HP)	HP (KU-0316)	
18	Mouse (HP)	HP (X1000)	
19	Osprey card	View Cast (Osprey-230)	
20	Osprey cable	HP/Nvidia (GeForce-GF6200TC/Sparkle 8400GS)	
21	VGA to PAL card		
22	XLR cable		
23	HandyCam with cable, power adapter & Tripod	Sony DCR SR45E	
24	HandyCam	Sony DCR SR45E	
25	Camera Tripod	Simpex 333	
26	Camera cable	Sony	
27	Camera power adapter	Sony (AC-L200C)	
28	Wireless Microphone (UHF) base unit with Microphone	MIPRO (MH-801a)	
29	Power Adapter for Wireless Microphone Set	MIPRO (MWD-41-1200500E)	
30	Amplifier with Speakers (L + R)	BOSCH (LBD 1906, LBD 8973)	
31	Amplifier	BOSCH (LBD 1906)	
32	Speakers (L + R)	BOSCH (LBD 8973)	
33	Multimedia Projector with VGA Cable	BENQ (MX-505)	
34	VGA Cable for Multimedia Projector-15m	Standard	
35	Projector Lamp	BENQ	
36	42" LED TV	SONY/SAMSUNG/LG/PANASONIC	
37	Projector Screen	Focus	
38	LMS Software - Student End Per PC	LearnMate	
39	Train Net Client Software for Student End PC	Robogroup-TrainNet Client	
40	Anti-virus Software	Mcafee AVS ENT	

Note: Vendor may quote the equivalent model in the items, wherever applicable, due to the obsolescence.

Annexure – 5

Rate for various other relevant Elements/Services:

Sr No.	Description	Model/Make	Unit rate (Rs.)
Rate for other relevant Services			
	Additional Site visit charges for SIT in Assam, Tripura & Sikkim states		
	Additional Site visit charges for SIT in Arunachal, Nagaland, Mizoram, Meghalaya states (optional)		
	Dismantling, shifting, commissioning & reinstallation and testing of SIT within building in NER		
	Dismantling, shifting, commissioning & reinstallation of Indoor Unit (IDU and classroom peripherals) and testing of SIT in NER		
	Dismantling, shifting, commissioning & reinstallation of ODU (Antenna, LNBC and BUC within building) in NER		
	Dismantling, shifting, commissioning & reinstallation and testing of SIT shifting charges of SIT from one building to other building inside the campus in NER		
	Dismantling, shifting, commissioning & reinstallation and testing of SIT shifting charges of SIT Terminal from one city to another city in NER		
Rate for other VSAT items			
1	1.8m Ext-C band Antenna system with feed	Prodelin/Comsat	
2	Ext-C band PLL LNBC	ViaSat/NJRC (NJS8488H)	
3	Ext-C band 2W BUC	ViaSat/NJRC (NJT5668F)	

Note: Vendor may quote the equivalent model in the items, wherever applicable, due to the obsolesce.

Format of CAMC Certificates

CAMC Certificate for Tele-education Hub

Name of the Network	
P.O. Reference	
AMC Quarter	

This is to certify that M/s _____ provided satisfactory maintenance services for Tele-education Hub of _____ Tele-education Network from _____ to _____ under above Comprehensive Annual Maintenance Contract.

Signature with Stamp of State Coordinator of nodal agency:

Name:

Institute:

Date:

CAMC Certificate for Tele-education Teaching End

Name of the Network	
P.O. Reference	
AMC Quarter	

This is to certify that M/s _____ provided satisfactory maintenance services for Tele-education Teaching End of _____ Tele-education Network from _____ to _____ under above purchase order of Comprehensive Annual Maintenance Contract.

Signature with Stamp of State Coordinator of nodal agency:

Name:

Institute:

Date:

CAMC Certificate for SITs

Name of the Network	
No. of SITs Under AMC	
P.O. Reference	
AMC Quarter	

This is to certify that M/s _____ provided satisfactory maintenance services for _____ SITs of _____ Tele-education Network from _____ to _____ under above purchase order of Comprehensive Annual Maintenance Contract.

Signature with Stamp of State Coordinator of nodal agency:

Name:

Institute:

Date: