

NIELIT - Shillong
National Institute of Electronics and Information Technology
Department of Information Technology,
Ministry of Communications & Information Technology, Govt. of India
Nongrim Hills, Shillong – 793 003

Notice Inviting Tender

No. NIELIT/SHL/LAN-SETUP/2013-14/148/224

Dated: 28th November'2013

NIELIT Shillong invites **sealed tenders** from the **reputed experienced firm** for supply & installation of Local Area Network (LAN) at **NIELIT Shillong**, located at 2nd floor of Meghalaya State Housing Financing Cooperative Society Ltd Building, Behind Bethany Hospital, Nongrim Hills, Shillong-793003, Meghalaya (**Number of IO required will be 57 nos. Total floor area of office is 6000 Sq. ft. in one floor**)

The detailed Tender document may be viewed & downloaded from our website (1) www.nielitmeghalaya.nic.in (2) www.nielit.in (3) www.eprocure.gov.in. Bidders may visit the locations/sites in consultation with the Centre In-Charge before preparing their bids. The bid must be attached with a Demand Draft/Banker's Cheque of amount of **Rs 1,000/- (Rupees One Thousand Only)** in favour of "NIELIT Shillong Main-A/C" payable at Shillong. The Tenders will be received up to **1:00 PM** on **13th December'2013 (Friday)** at **NIELIT Guwahati**, STPI Complex, Near LGBI Airport, Borjhar, Guwahati-781015 and shall be opened on the same day at **2:00 PM** at **NIELIT Guwahati**.

Sd/-
Chief Investigator
NIELIT Shillong

No. NIELIT/SHL/LAN-SETUP/2013-14/148/224 dated: 28th November'2013

TENDER DOCUMENT
FOR SETTING UP OF
LOCAL AREA NETWORK (LAN)

NIELIT - Shillong

DOCUMENT CONTROL SHEET

Tender No:	No. NIELIT/SHL/LAN-SETUP/2013-14/148/224 dated: 28 th November'2013
Name of Organization	National Institute of Electronics & Information Technology (NIELIT) Shillong
Date of Issue/Publishing	29 th November'2013
Document Download/Sale Start Date	29 th November'2013
Name Of The Work	Supply & Installation of Local Area Network at Shillong
Time Of Completion	30 (thirty) days from date of issue of order.
Tenders To Be Submitted At	NIELIT Guwahati, STPI Complex, Near LGBI Airport, Borjhar, Guwahati-781015.
Estimated cost	Rs. 4.75 lakhs
Earnest Money Deposit (EMD)	Rs 25,000/- (Rupees Twenty Five Thousand) only. EMD in the form of Demand Draft / Banker's Cheque drawn on any nationalized bank in favour of "NIELIT Shillong Main-A/C" payable at Shillong.
Scope of Work & Technical Specifications	ANNEXURE - I
Rate Sheet	ANNEXURE - II
Venue of Opening of Tender	Conference Room, NIELIT Guwahati.
Last date of submission of Tender document	13 th December'2013 (Friday) at 1:00 PM
Date & Time Of Opening Tender	13 th December'2013 (Friday) at 2:00 PM
Address for Communication	The Chief Investigator, NIELIT Shillong, C/O - The Director NIELIT Guwahati STPI Complex, Near LGBI Airport, Borjhar, Guwahati-781015 Email : dir_shillong@nielit.in Website: http://www.nielitmeghalaya.nic.in

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(IN FIRM'S LETTER HEAD)

LETTER OF ACCEPTANCE TO BE SUBMITTED IN THE BID.

To: The Chief Investigator, NIELIT Shillong
C/o - The Director
NIELIT Guwahati
STPI Complex, Near LGBI Airport
Borjhar, Guwahati – 781 015

Sub: Acceptance of Terms and conditions of tender.

Ref: Tender No. NIELIT/SHL/LAN-SETUP/2013-14/148/224 dated: 28th November'2013

Sir,

Having examined in details of the above tender documents relating to the works and having visited and acquired all the requisite information affecting the tender invited by you, I / We hereby agree to all terms and condition of the contract [as laid down in the tender document(s)]. I/We also agree that the printed term(s) and condition(s) if any at the back of our quotation form and / or any other paper enclosed are not applicable.

I/We undertake to complete the whole works within the period specified in the tender. In this connection we are providing here with the following information.

1. **Firm Registration** certificate.
2. **Proof of address** of the firm.
3. In case bidder is a Authorised Dealer/ Distributor,
 - a. Proof of Dealership/Distributorship from parent Company.
 - b. Authorization certificate from parent company authorizing participation in the tender.
4. **Annual Turnover** of the last financial year:
(Copies of Balance Sheet and IT return enclosed)
5. List of Clients at different states of NE region for the last 3 (three) years along with copies of relevant **work order** and **timely completion certificate**.
6. Details of EMD paid
Amount..... Draft No..... Bank.....
7. VAT / CST/TIN Registration No..... PAN No.....
(Copy Enclosed)
8. Valid Service Tax Registration No.....
(Copies Enclosed)
9. Acceptance of price bid format enclosed.
10. **Affidavit / Power of Attorney** stating the capacity and the authority of the person signing on behalf of the firm enclosed.
11. Any other relevant document.

(Signature with Seal)
(Name & Designation in block letters)

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INSTRUCTION REGARDING TENDER

Note: Bidders are requested to note that noncompliance of the following instructions are liable to render their tender being rejected.

1. Bidders should put **endorsement** on each page of the tender documents as token of perusal.
2. Bidder shall provide **documentary evidence** of their experience in similar supply and value in the NE region during the last 3 (three) years.
3. The bidder should make no alterations and / or addition to the tender papers. **Only typed/ printed quotations will be accepted.**
4. The tender should be put in two separate sealed envelopes marked as (A) **“Technical Bid”** and (B) **“Commercial Bid”** and both should be placed inside a single sealed envelope super scribing Tender Reference No. and date of this tender notice and EMD details. Along with all desired documents, EMD & Cost of the Tender Document should be placed in the **“Technical Bid”** envelope, failing which the same will be summarily rejected. “Commercial Bid” should contain only the **RATE SHEET** provided at **ANNEXURE – II** of this tender. **Commercial Bids of only those vendors shall be opened which are found to be technically acceptable in Technical Bid.**
5. The bidders will be required to furnish earnest money worth **Rs 25,000/- (Rupees Twenty Five Thousand Only)** to be placed in the technical bid in the shape of DD / BC in favour of **“NIELIT Shillong Main - A/C”**. Without the earnest money the tender will be summarily rejected. In respect of successful bidder EMD will be returned after a retention amount of 10% of the actual bill has been deducted, when placed upon successful completion of work towards security cover for the defect liability period of 36 months. In the case of unsuccessful Bidders, the EMD shall be refunded within 30 days of finalization and award of contract to successful bidder.
6. The retention amount of 10% shall be released against submission of Performance Bank Guarantee of at least the same amount from any Nationalized Scheduled Bank having validity for the stated defect liability period.
7. Items are to be quoted in Indian Rupees only.
8. No Quotation will be accepted by fax, e-mail, telex, or any other such means.
9. Acceptance should be given as per enclosed format without any alterations.
10. All rates quoted will be considered to be inclusive of all taxes and freight of delivery place.
11. The quoted rates shall have to be valid for a period of 1(one) year from the date of opening of tender.
12. Bidders should submit all supporting documents in favour of information submitted in the tender. Further, copies of all statutory licenses and documents like PAN, VAT etc. should be enclosed. All documents submitted should be serially numbered.
13. Partial or selective quotes, conditional tenders would be summarily rejected.
14. NIELIT Shillong shall be under no obligation is liable to accept the lowest quotation. Further the Chief Investigator, NIELIT Shillong reserves the right to reject all or any of the tenders without assigning any reasons.

**Sd/-
Chief Investigator
NIELIT Shillong**

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GENERAL TERMS AND CONDITIONS OF CONTRACT

Tender No.: NIELIT/SHL/LAN-SETUP/2013-14/148/224 **dated:** 28th November 2013

This tender notice shall be governed by following terms & conditions:

1. **ELIGIBILITY-** To be eligible to participate in the tender, a Bidder should be: -
 - a. Experienced in completion of similar works (Copy of satisfactory completion certificate compliance with value of work order to be enclosed) for minimum 03 (three) work orders as detailed in 1.b below.
 - b. The bidder should have completed at least 03 assignments for implementation of LAN with minimum 50 nodes which involves structured Network cabling for any State/Central department / organization / PSUs.- (Copy of work order/ agreement/purchase order and successful completion certificate from the client to be enclosed. The Certificate from client should clearly state that the scope of work was minimum 50 nodes).
 - c. Bidders having annual turnover of Rs. 1 Crore and above should only participate and documents to this effect should be provided.
2. All components & equipments including cable must be ISI / IEEE standard.
3. **Chief Investigator, NIELIT Shillong** may allow extension of time if in his opinion the works are delayed by reasons beyond the control of the Contractor.
4. **F.O.R. Rates:** The rates quoted should be F.O.R. NIELIT Shillong and should be inclusive of freight/packing/forwarding and other incidental charges.
5. Copy of PAN No., proof of valid Sales Tax Registration, valid Service Tax Registration and Experience Certificate (if any) of similar work and value in the N/E region during the last 3(three) years from appropriate authority should accompany the bid, otherwise, tender shall be rejected.
6. Quotation with overwriting, alternations will not be considered. **Only typed / printed quotations** will be accepted.
7. **Validity of Rate:** The rates quoted have to be valid up to 1 (one) year from the date of opening of Commercial bid.
8. **Warranty:** Warranty period shall have to be for at least 3 (three) years from the date of certification. However, weightage will be given to bidders offering additional warranty period.
9. In view of KHADC (Khasi Hills Autonomous District council) norms, Non-Tribals Tenderer must be having Trade License obtained from KHADC and should be enclosed.
10. NIELIT Shillong shall be under no obligation to accept the lowest quotation.
11. **Acceptance of supplies:** Supplies not as per order or as per specifications will be rejected and returned at the cost of supplier and the EMD will be forfeited..
12. **DEDUCTIONS-** Statutory taxes and duties will be deducted at source as per government norms. Further other deductions as applicable as per clauses mentioned in the document will also be made.
13. Penalty will be imposed for delay in completion of work as follows:
 - a) 1 – 3 days = 2.5%
 - b) 4 – 6 days = 5%
 - c) 7 – 10 days & above = 7.5%
14. **Payment Terms:** Bills can be submitted on successful execution of Work Order along with certification from respective Centre in charge for release of payment. No advance payment shall be made under any circumstance.

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15. It will be binding on the part of the successful bidder to supply and install the goods at the quoted rates failing which the name of the firm will be removed from the suppliers list and no further inquiries would be sent. Other relevant terms and conditions of this tender would also be made applicable automatically.
16. Bidder should have local presence at Shillong City with registered office in the city. Availability of a responsible Technical person on call on all working days of NIELIT Shillong between 09.00 Hours to 17.30 Hours, so that the onsite Service Support under 36 Months warranty obligations as per requirement of NIELIT Shillong may be addressed.
17. **Repeat order:** Repeat order, if necessary, will be placed within 1(one) year and have to be executed by the suppliers.
18. Details of the Taxes as applicable should be mentioned in the quotation clearly. In case of any ambiguity, prices will be considered as inclusive of all taxes.
19. In case of any dispute on account of deviation of the terms and conditions, the responsibility will be of suppliers and the decision of the Chief Investigator, NIELIT Shillong shall be binding and final.
20. **DISPUTES:** All disputes lie within the jurisdiction of High Court of Meghalaya.
21. The Bidder is liable to compensate NIELIT Shillong for any loss suffered. All penalties imposed should be deposited by the Contractor immediately or may be deducted from any amount due to the Contractor.
22. The Tender is likely to be rejected because of non-fulfillment of any of the above terms.
23. Items are to be quoted in Indian Rupees only.
24. The detailed specifications of the goods are as per **ANNEXURE - I** attached.
25. The Rate Sheet is placed at **ANNEXURE-II**.
26. No quotation will be accepted by fax, e-mail, telex, or any other such means.
27. **Right to accept/ reject:** The Chief Investigator, NIELIT Shillong reserves the right to reject all or any tender without assigning any reason thereof.

**Sd/-
Chief Investigator
NIELIT Shillong**

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ANNEXURE -I

Tender No: NIELIT/SHL/LAN-SETUP/2013-14/148/224 **dated:** 28th November'2013

SCOPE OF WORK

For Supply & Installation of Local Area Network (LAN)

The scope of works include the Supply, Installation, Testing and Commissioning of Network Equipment for providing efficient Network Services access to NIELIT, Shillong but not limited to the following tentative works: -

1. Indoor UTP Cable Laying through PVC Pipe, Casing including all materials.
2. Installation of IO / Crimping / Patch Panel / Rack / Switch and System Integration.
3. Laying and Termination of CAT6 UTP, all cabling must be structured.
4. Network Documentation with its Layout Plan (on Paper and CD).
5. All the operating / setup driver's CD's, operational manuals, stationeries and Similar accessories made available by Equipment vendor would be handed over by the Agency / Contractor / Firm to NIELIT Shillong after Successful installation, testing and commissioning work is over.
6. Labeling of Cables, I/O's, Jack Panel, Switches for new connections for clear marking / understanding.
7. Repair / Refurnishing work owing to damage caused due to cabling or any other work related to this Job / Project. There should not be any hanging or uncovered wire.
8. Patch cord should be branded and factory crimped.
9. Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment's and / or needed for erection, completion and safe operation of the equipment's as required by applicable codes though they may not have been specifically detailed in the tender document, unless included in the list of exclusions. All similar standard components / parts of similar standard equipment's provided, shall be interchangeable with one another.
10. The Bidder shall be responsible for providing all materials, equipment's, and services, specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within his quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force of the date of award of this contract.
11. The bidder shall also be responsible for deputing qualified personnel for installation, testing, commissioning and other services under his scope of work as per this specification. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
12. The installation of equipments shall be accepted only after installation tests are satisfactorily over.
13. The bidder should ensure while installation and integration of existing LAN with new Network connectivity, day-to-day functioning of official work and existing network setup/connectivity/internet connectivity should not get disrupted / hampered.
14. The Bidder's proposal shall include the list of tools (such as crimping tool, Krone punch tool) and other accessories, which are required for installation of the connection. No separate charges for fixing / crimping / other connection charges / Labor Charges would be paid by NIELIT, Shillong.

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15. The switches proposed by the bidders must be compatible to support the existing network and the facility for repairing / replacement available in Shillong city.
16. The scope covers design / development of a suitable architecture / layout of the proposed networking system, preparation of bill of materials, pre-dispatch inspection / testing, packing and forwarding, transportation, insurance and carrying out further activities at sites viz. unloading, storage, testing and commissioning including successful completion of acceptance tests and any other services required.
17. NIELIT Shillong reserves the right for quantity variation due to increase / decrease in requirements. The bidder shall also provide all required equipment which may not be specifically stated herein but are required to meet the intent of ensuring completeness, maintainability and reliability of the total system covered under this specification, including integration and interoperability with the existing LAN, on occurrence of such necessary requirement, the written immediate intimation along with brief technical justification shall be given by the Bidder to the NIELIT Shillong and after obtaining necessary approval on writing from NIELIT, Shillong, if the extra work shall be carried out without obtaining approvals from NIELIT Shillong. NIELIT Shillong shall not be liable to pay any extra cost to the bidder.
18. **Scope of Work shall also include:-**
 - a) Powering on equipment after ensuring correctness of terminations, interfaces, power supply and making the system ready for testing and commissioning.
 - b) Testing of LAN Cables after laying, terminations, labeling at both the ends. All testing tools and instruments shall be brought by the bidder and taken back after the testing.
 - c) Configuration of the equipment as per the requirements of NIELIT Shillong including Network segmentation and Network Monitoring through network management switch.
 - d) Site acceptance tests to establish satisfactory performance of the equipment's as per specs.
 - e) Assistance for familiarization and operation of the installed system after acceptance of system.
 - f) Comprehensive onsite warranty for all Installation and Hardware delivered for minimum 36 months from the date of technical certification of work completion.
19. In case, the quantity of laying cables or fixing wall mount sockets etc. exceeds or is less than the quantity in bid price schedule, the payment for the executed quantity shall be paid on pro-rata basis, for the actual quantities consumed / for which the installation is carried out through the Bidder on Certification by Technical Representative of NIELIT Shillong.
20. Any other work required for making the network functional up to the satisfaction of NIELIT, Shillong.

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TECHNICAL SPECIFICATIONS:

SL	Item Description	Technical Specification		Quantity	Units
1	CAT-6 UTP Cable	Type	Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2 & ISO/IEC 11801	8	Box
		Conductors	23 AWG solid bare copper		
		Insulation	Polyethylene		
		Jacket	Flame Retardant PVC		
		Pair Separator	Cross-member (+) fluted Spline.		
		Approvals	(a) UL Listed / UL Verified (b) ETL verified to TIA / EIA Cat 6		
		Operating temperature	-20 Deg. C to +60 Deg. C		
		Storage Temperature	-20 Deg. C to +80 Deg. C		
		Packing	Box of 305 meters		
		Cable Outer Diameter	.23 inches		
		Delay Skew	45ns MAX.		
		Bend Radius	4 * Cable Diameter		
		Impedance	100 Ohms + / - 15 ohms, 1 to 600 MHz.		
		UL/NEC Ratings	CMR Rated		
		Mutual Capacitance	5.6 NF MAX /100 Mtr.		
		Conductor Resistance	66.58 Ohms Max / KM		
		Propagation Delay	536 ns/100 Mtrs. MAX @ 250 Mhz		
Performance Characteristics to be provided along with bid	NEXT, PS NEXT, ELFEXT, PSELFEXT, Return Loss				
ROHS Compliant	ROHS/ELV Compliant				
2	Information Outlets CAT 6 –single RJ45 Port with Box	Type	PCB based, Unshielded Twisted Pair, Category 6, TIA /EIA 568-C.2 and ISO/IEC 11801. Single Gang Face plate capable for UTP and STP Jacks.	57	Nos
		Modular Jack	750 mating cycles		
		Wire terminal	200 termination cycles		
		Accessories	Integrated bend-limiting strain-relief unit for cable entry Integrated hinged dust cover, optional Support cable pair termination process on the jacks at 90 degree angle. Bidder should have a mechanism to maintain the quality of the termination ir-respective of the skill level of the termination staff.		
		Housing	Polyphenylene oxide, 94V-0 rated.		
		110 Blocks	polycarbonate, 94V-0 rated		
		Jack contacts	Beryllium copper, plated with 1.27 mm [.000050] thick gold in localized area and 3.81 mm [.000150] minimum thick tin-lead in solder area over 1.27 mm [.000050] minimum thick nickel under plate		
		Wiring blocks	Polycarbonate, 94V-0 rated,		
		Approvals	(a) UL Listed / CSA Approved (b) ETL verified to TIA / EIA Cat 6		

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		Performance Characteristics to be provided along with bid	NEXT, PS NEXT, ELFEXT, PSELFEXT, Return Loss		
		ROHS Compliant	ROHS/ELV Compliant		
3	Rack Mountable Switch- 10/100/1000 -24 Port/	Management Protocols	CSMA/CD	6	Nos
		Operational Humidity	10% to 90% non-condensing		
		Operational Temperature	0DegC- 40DegC		
		Storage Humidity	10 % to 90 % non-condensing		
		Storage Temperature	-10DegC - 70DegC		
		Power Adapter Input	100-240 V AC, 50-60Hz		
		Power Consumption	20 W		
		Number of Ethernet ports	24		
		Speed	10/100/1000 Mbps		
		Supported Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3x Flow Control, 802.3ab Gigabit Ethernet, 802.1p Priority Queuing		
		Forward speed	48 Gbps		
		LEDs	Power, Per Port : Link/Activity		
		Environmental	RoHS Compliant		
		Mount Type	Rack Mount		
4	Wall Mount Rack with Cable Manager and accessories like power point, fan etc-Size 6U	Basic Structure	Cabinet should be as per DIN 41494 standards, Basic structure of CRCA Steel (CRCA Should be "IS 513 Gr D" standard) in a welded Rigid construction frame with top, bottom and side frame at least 1.2 mm thickness., It should be able to take load of 40 Kg	3	Nos
		Front Door	Front Glass toughened and tinted, with easy detachable hinges. Glass Door with lock – should be easily removable type.		
		Side Panel	Fixed Side Panel with top & bottom vented for easy air flow.		
		Space	Height – overall height : 351.75mm		
			Width –600mm with adjustable 19" mounting angles		
			Depth – Overall : 500mm		
		Wall Mounting	Provision for easy wall mounting should be there with appropriate anchor fasteners Rack must be provided with one fan directly mounted on the roof top as an exhaust from the cabinet. Fan should be of AC 230V with flow volume of at least 90CFM		
		Heat Management			
		Coating Details	Coating Should be of scratch resistance properties.		
		Shelving Options	To avoid corrosion & rusting : Rack to be pre-treated using a zirconium coat, Wall mount rack should be provided with 1 fixed shelf (ventilated) for resting various equipments.		
		Power Management	Rack should have PDU, 19", 6x5 Amp with Indicator, 16 Amp switch and 1.5 meter cable with 15 amp molded plug top.		

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		Manufacturers Details	1. Manufacturer should have ISO 9001-2000 & 14001-2004 Certifications, Certificate needed to be submitted. 2. Process of Manufacturing of rack should have ROHS complied.		
5	Wall Mount Rack with 2(two) Cable Managers and accessories like power point, fan etc-Size 9U	Basic Structure	Cabinet should be as per DIN 41494 standards, Basic structure of CRCA Steel (CRCA Should be "IS 513 Gr D" standard) in a welded Rigid construction frame with top, bottom and side frame at least 1.2 mm thickness., It should be able to take load of 40 Kg	1	No
Front Door		Front Glass toughened and tinted, with easy detachable hinges. Glass Door with lock – should be easily removable type.			
Side Panel		Fixed Side Panel with top & bottom vented for easy air flow.			
Space		Height – overall height : 485.10mm			
		Width –600mm with adjustable 19" mounting angles			
		Depth – Overall : 500mm			
Wall Mounting		Provision for easy wall mounting should be there with appropriate anchor fasteners			
Heat Management		Rack must be provided with one fan directly mounted on the roof top as an exhaust from the cabinet. Fan should be of AC 230V with flow volume of at least 90CFM			
Coating Details		Coating Should be of scratch resistance properties. To avoid corrosion & rusting : Rack to be pre-treated using a zirconium coat,			
Shelving Options		Wall mount rack should be provided with 1 fixed shelf (ventilated) for resting various equipments.			
Power Management	Rack should have PDU, 19", 6x5 Amp with Indicator, 16 Amp switch and 1.5 meter cable with 15 amp molded plug top.				
Manufacturers Details	1. Manufacturer should have ISO 9001-2000 & 14001-2004 Certifications, Certificate needed to be submitted. 2. Process of Manufacturing of rack should have ROHS complied.				
6	Wall Mount Rack with Cable Manager and accessories like power point, fan etc-Size 30U	Basic Structure	Cabinet should be as per DIN 41494 standards or EIA 310D, Basic structure of CRCA Steel (CRCA Should be "IS 513 Gr D" standard) in a welded Rigid construction frame with four Vertical Pillar to give more rigidity to rack, It should be able to take load of 750 Kg	1	No
Front Door		Front Glass toughened and tinted, with easy detachable hinges. Glass Door with lock – should be easily removable type. Door Perforation - Hexagonal (Honeycomb) at > 65%			
Side Panel		Fixed Side Panel with top & bottom vented for easy air flow.			
Space		Height – overall height : 1535.1 mm			
		Width –600mm with adjustable 19" mounting angles			
		Depth – Overall : 1000 mm			
Floor Mounted	4 Castors with 2 Foot-Operated Brakes				
Heat Management	Rack must be provided with 4 nos of FHU with Cooling Fans directly mounted on the roof top as an exhaust from the cabinet. Fan should be of AC 230V with flow volume of at least 90CFM				

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		Coating Details	Coating Should be of scratch resistance properties. To avoid corrosion & rusting : Rack to be nano ceramic pre-treated using a zirconium coat of thickness at least 70 microns.		
		Shelving Options	Rack should be provided with 4 shelves (ventilated) for resting various network equipments. Captive Equipment Mounting Hardware of at least 20 nos.		
		Power Management	Rack should have PDU Octagonal 8 x 5/15A with 16A MCB and 1 set of Earth Continuity Kit.		
		Manufacturers Details	1. Manufacturer should have ISO 9001-2000 & 14001-2004 Certifications, Certificate needed to be submitted. 2. Process of Manufacturing of rack should have complied to ROHS.		
7	Patch Cord -CAT6- 1 feet	Type	Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2 & ISO/IEC 11801	57	Nos
		Conductor	24 AWG 7 / 32, stranded copper conductors 100 Ohm		
		Length	1 feet		
		Plug Protection	Factory fitted Slim boot		
		Warranty	25-year component		
		Insulation	Polyethylene		
		ROHS Compliant	ROHS/ELV Compliant		
8	Patch Cord -CAT6- 7 feet	Type	Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2 & ISO/IEC 11801	57	Nos
		Conductor	24 AWG 7 / 32, stranded copper conductors 100 Ohm		
		Length	7 feet		
		Plug Protection	Factory fitted Slim boot		
		Warranty	25-year component		
		Insulation	Polyethylene		
		ROHS Compliant	ROHS/ELV Compliant		
9	Patch Panel - 16 /24 port	Type	24-port, Modular, 1U, PCB based, Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2 and ISO/IEC 11801	6	Nos
		Ports	24		
		Port arrangement	Configured as 6 Port Module with individually replaceable CAT-6 Jacks		
		Circuit Identification	Front of each module shall be capable of accepting 9 mm to 12 mm labels		
		Port Identification	9mm or 12mm Labels on each of 24-ports (to be included in supply		
		Modular Jack	750 mating cycles		
		Wire terminal	200 termination cycles		
		Accessories	Integrated bend-limiting strain-relief unit for cable entry Bidder should have a mechanism to maintain the quality of the termination ir-respective of the skill level of the termination staff.		
		Materials			
		Housing	Polyphenylene oxide, 94V-0 rated		
		Wiring blocks	Polycarbonate, 94V-0 rated		
		Jack contacts	Beryllium copper, plated with 1.27 mm [.000050] thick gold in localized area and		

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			3.81 mm [.000150] minimum thick tin-lead in solder area over 1.27 mm [.000050] minimum thick nickel under plate Black, powder coated steel		
		Panel			
		Approvals	UL listed / ETL Verified		
		Termination Pattern	TIA / EIA 568 A and B;		
		ROHS Compliant	ROHS/ELV Compliant		

(In firm's letterhead)

RATE SHEET

Tender No: NIELIT/SHL/LAN-SETUP/2013-14/148/224 **dated:** 28th November'2013

For Supply & Installation of Local Area Network (LAN)

SL	Item Description	Specifications	Quantity Reqd	Units	Rate per unit Qty (in Rs)	Total in Rs (Inclusive of all taxes, freight, etc)
1	CAT-6 UTP Cable	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 1	8	Box		
2	Information Outlets CAT 6 –single RJ45 Port with Box	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 2	57	Nos		
3	Rack Mountable Switch-10/100/1000 - 24 Port/	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 3	6	Nos		
4	Wall Mount Rack with Cable Manager and accessories like power point, fan etc-Size 6U	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 4	3	Nos		
5	Wall Mount Rack with 2(two) Cable Managers and accessories like power point, fan etc-Size 9U	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 5	1	No		
6	Wall Mount Rack with Cable Manager and accessories like power point, fan etc-Size 30U	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 6	1	No		
7	Patch Cord –CAT6- 1 feet	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 7	57	Nos		
8	Patch Cord –CAT6- 7 feet	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 8	57	Nos		
9	Patch Panel - 16 /24 port	As details mentioned at TECHNICAL SPECIFICATION Sheet SL 9	6	Nos		
10	Casing and capping, cable laying	As per actual requirements	----	Per metre	(indicate only cost per metre)	<i>(leave blank)</i>
11	Installation, configuration, testing, commissioning of the Network Site and labour for complete networking work	As specified in the scope of work for all equipments	----	----	<i>(leave blank)</i>	
					Total (in Rs)	

**(Signature)
With Seal & Date**