



West Bengal Minorities' Development & Finance Corporation

(A Statutory Corporation of Govt. of West Bengal)

No.1760-MDC/EPB-13

Dated: 29.04.2022

Notice Inviting e-Quotation No. EPABX & ALLIED NETWORK OF AMBER -1 of 2022-23

Managing Director, WBMDFC invites E-Tender for the work as detailed in the following table.
(Submission of Quotation through online).

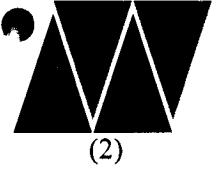
Name of the work	Earnest Money (Rs.)	Price of Technical, Financial Bid Documents, & other Annexure (Rs)	Time of Completion
1. Supply, Installation, Testing and Commissioning of EPABX and allied Network for the office of the WBMDFC, AMBER Building, DD:27/E, Sector-I, Salt Lake City, Kolkata-700064. (Ground floor to seventh floor)	EMD .Amount: Rs.26,000.00	Intending tenderer shall not have to pay the cost of quotation documents for the purpose of participating in E-Tendering. The successful bidder will have to execute an agreement after receipt of work order. The cost of document price would be as per notification no. 452A/PW/0/10C-35/10 dated. 25.07.11 of PWD Government of West Bengal and shall have to pay during formal agreement after issuance of Work Order.	To be completed by 30 days from the day of issue of work order.

In the event of e-filing, intending tenderer may download the tender documents from the site: <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate & submission of earnest money in favour of WBMDFC to be documented through e-filing mode by GRIPS.

Earnest money:

An earnest money @Rs.26,000.00 shall be required to be deposited by every tenderer in favour of machine generated Relevant Account no.in the form of RTGS/NEFT of any Bank as per Govt. Order (other than those who are exempted as per rule) .

Refund of EMD: The Earnest money of all the unsuccessful Tenderers will be refunded as per online system as per Govt. Order vide order No: 3975 –F(Y) Dated 28th July, 2016 of Secretary, Finance department, Govt.of West Bengal.



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(2)

Eligibility Criteria of the Agency/Bidder:-

A) For 1st Call of NIT

- 1) The intending bidders should produce credentials of similar nature of completed work of the minimum value of 40% of the estimated amount put to tender during 5 (Five) years prior to the date of issue of the tender notice, or
- 2) Intending bidders should produce credentials of 2(two) similar nature of completed work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice, or
- 3) Intending bidders should produce credentials of one single running work of similar nature which has been completed to the extent of 80% or more and value of which is not less than desired value at 1 above; In case of running works, only those bidders who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated the work is in progress satisfactorily and also that no penal action has been initiated against the executing agency, i.e., the bidder.

B) For 2nd Call of NIT

- 1) Intending bidders should produce credentials of similar nature of work of completed work of the minimum value of 30% of the estimated amount put to tender during 5 (Five) years prior to the date of the tender notice; or,
- 2) Intending bidders should produce credentials of 2(Two) similar nature of completed work, each of the minimum value of 25% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice; or,
- 3) Intending bidders should produce credentials of one single running work of similar nature which has been completed to the extent of 75% or more and value of which is not less than desired value at 1 above; In case of running works, only those bidders who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated the work is in progress satisfactorily and also that no penal action has been initiated against the executing agency, i.e., the bidder.

C) For 3rd Call of NIT

- 1) The intending bidders should produce credentials of similar nature of completed work of the minimum value of 20% of the estimated amount put to tender during 5 (Five) years prior to the date of the tender notice, or
- 2) Intending bidders should produce credentials of one single running work of similar nature which has been completed to the extent of 70% or more and value of which is not less than desired value at 1 above; In case of running works, only those bidders who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated the work is in progress satisfactorily and also that no penal action has been initiated against the executing agency, i.e., the bidder.



West Bengal Minorities' Development & Finance Corporation

(A Statutory Corporation of Govt. of West Bengal)

(3)

Other terms and condition of the credentials-

- 1) Payment certificate will not be treated as credential;
- 2) i) Certificate issued by the Executive Engineer, or equivalent or competent authority of a State/ Central Government undertaking , Statutory/ Autonomous bodies constituted under Central/ State statute, on the executed value of completed/ running work will be taken as credential.
ii)The prospective bidders shall have in their full time engagement experienced technical personnel.
iii)PAN, Up to date Professional Tax clearance, Valid Trade License , GST registration Certificate with up to date return copy to be accompanied with the Technical Bid document. Income Tax (Saral) Acknowledgement Receipt for assessment year (2021-2022) to be submitted.
iv) Registered or Notarized Deed of partnership Firm/ Article of Association & Memorandum, If any.
v)If any Agency/Bidder is exempted from payment of EMD, copy of relevant Government order needs to be furnished.
vi)Where an individual person holds a digital certificate in his own name duly issued to him against the company or the firm of which he happens to be a director or partner (even Managing Director), such individual person shall, while uploading any tender for and on behalf of such company or firm, invariably upload a **separate copy of registered power of attorney** (notarized not to be allowed) showing clear authorization in his favour, by the rest of the directors of such company or the partners of such firm, to upload such tender. The power of attorney shall have to be registered in accordance with the provision of the Registration Act, 1908.
vii)No **CONDITIONAL/ INCOMPLETE TENDER** will be accepted under any circumstances.
viii)List of "Technically Qualified Bidders" will be published in the web portal only.
ix) Financial Bid will be opened after 48 hours of publication of Technical Bid.
x)If any discrepancy arises between two similar clauses on different notifications, the clause as stated in later notification will supersede former one.
xi) The intending bidder or sub-Agency/Bidder or authorized representative duly authorized by the bidder, holding a valid license/ Electrical Supervisors' certificate of competency in parts 1,2,3,4,5,6(a), 6(b), 7(a), 7(b), 10,11 & 12 issued by the State Government or Equivalent National Supervisors' Certificate of Competency for carrying out the installation work of the voltage classes involved shall be considered for carryout the electrical works. Supporting documents should be uploaded with his tender regarding particulars of the license with validity period held by the bidders or sub-Agency/Bidders or representative duly authorized by the bidder.
xii) Plant Machinerics and equipments should be owned or arranged through lease hold agreement by the bidders. If required.
xiii) The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the site of works and its Surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice inviting Tender, the cost of visiting the site shall be at the Bidder's own expense.



West Bengal Minorities' Development & Finance Corporation

(A Statutory Corporation of Govt. of West Bengal)

(4)

xiv) The partnership firm shall furnish the registered or Notarized partnership deed and the company shall furnish the Article of Association and Memorandum.

xv) In the event of testing opted by the Engineer-in-Charge, such testing from any Government approved Testing Laboratory will have to be conducted by the agency at his/their own cost.

xvi) The bidder/agency must not have been blacklisted by any Court of Law or any Government / Central Autonomous bodies/PSUs and in any such future event, the agency shall undertake to keep WBMDFC informed.

The rate of tender is to be submitted with duly digitally signed in the <https://wbtenders.gov.in>

Within date and time as stipulated in NIT/ NIQ.

The bid shall remain valid for a period not less than 120 days (One hundred twenty days) from the last date of submission of financial bid/sealed bid. If the bidder withdraws the bid during this period of bid validity, his earnest money deposit will be forfeited.

If any tenderer withdraws his offer before acceptance, without giving any satisfactory explanation for such withdrawals, he may be disqualified from participating in any future NIT/NIQ of this office for a minimum period of 1(one) year and suitable action, as deemed fit, will be taken by the Tender inviting authority.

If the last date falls on holidays or on bundh day or on natural calamity, the date shall automatically defer to the next working day.

All intending bidders are requested to remain present in the Chamber of the MD to witness tender opening procedure. After opening financial bid, if situation demand, MD may call offline open bid/sealed bid against the qualified bidders to lower down the offer rates.

The accepting authority of WBMDFC reserves the right to reject any or all the tender without assigning any reason whatsoever and he will not be bound to accept either the lowest tender or any of the tender.

Successful tenderer/Quotationer will be required to obtain valid Registration Certificate & Labour License from respective Regional Labour Offices where construction work are proposed to be carried out as per clauses u/s 7 of West Bengal Building & other Construction Works' Act. 1996 and u/s 12 of Contract Labour Act.

Successful tenderer/Quotationer will have to produce original GST Registration, and PAN Card etc. (as applicable) for verification prior to issuance of Work Order.



West Bengal Minorities' Development & Finance Corporation

(A Statutory Corporation of Govt. of West Bengal)

(5)

Intending Bidders should be uploaded documents as per following:

- NIT /NIQ
- Form-I and Form-II (enclosed with this NIT/NIQ) on companies letter head must properly filled up, scanned and up- loaded.
- Submission of documents regarding EMD.
- d)

Sl No	Category Name	Sub Category Description	Details
A.	CERTIFICATES	CERTIFICATES	1. GST REGISTRATION CERTIFICATE 2. PAN 3. P TAX (CHALLAN) (2021-22) 4. IT-SARAL for ASSESSMENT YEAR (2021-22)
B.	COMPANY DETAILS	COMPANY DETAILS 1	1. PROPRIETORSHIP FIRM {TRADE LICENCE CHALLAN (2021-22)} 2. PARTNERSHIP FIRM {Registered or Notarized Deed of partnership Firm/ Article of Association & Memorandum of company} 3. LTD. COMPANY {INCORPORATION CERTIFICATE, TRADE LICENCE CHALLAN(2021-22) 4. SOCIETY {SOCIETY REGISTRATION COPY, TRADE LICENCE CHALLAN(2021-22)& BYE LAW} 5. REGISTERED POWER OF ATTORNEY of COMPANY or FIRM 6. APPLICATION (FORM-I&FROM-II)
C.	CREDENTIAL	CREDENTIAL1 CREDENTIAL2	SIMILAR NATURE OF WORK DONE & COMPLETION CERTIFICATE WHICH IS APPLICABLE FOR ELIGIBILITY IN THIS TENDER



West Bengal Minorities' Development & Finance Corporation

(A Statutory Corporation of Govt. of West Bengal)

(6)

Important information's:
DATE AND TIME SCHEDULE:

Sl. No.	Particulars	Date & Time
1.	Date of uploading of N.I.Q. Documents	02.05.2022 at 5.00 P.M
2.	Start of Documents downloading.	02.05.2022 at 5.00 P.M
3.	Start of Bid submission.	02.05.2022 at 6.00 P.M
4.	Last date of Documents downloading	24.05.2022 at 3.30 P.M
5.	Last date of Bid submission.	24.05.2022 at 3.30 P.M
6.	Date of opening of technical Bid.	27.05.2022 at 4.00 P.M
7.	Date of publication of list for technically qualified Bidders.	To be informed later on.
8.	Date, time and Place for opening of Financial Proposal (Online)	To be informed later on.

LOCATION OF CRITICAL EVENT.

BID OPENING	At the Office of the Managing Director, West Bengal Minorities' Development & Finance Corporation, "AMBER" DD-27E, Sect-I, Salt Lake City, Kolkata-700064.
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The intending Quotationer are required to quote their rates with the attached priced schedule.

Agency/Bidder shall have to comply with the provisions of (a) the Contract Labour (Regulation Abolition) Act. (b) Apprentice Act. 1961 and (c) Minimum Wages Act, 1948 or the Notification thereof or any other laws relating to and the Rules made there under and order issued from time to time.

During scrutiny, if it comes to the notice of the Tender Inviting Authority that the credentials or any other documents are incorrect/manufactured/fabricated or incomplete in any respect then the Tenderer will be out rightly rejected without any prejudice.

Before issuance of the WORK ORDER, the Tender Inviting Authority may verify the original credential and other documents of the lowest tenderer if found necessary. In case, if it is found that the documents submitted by the lowest tenderer is either manufactured or false; the work order shall automatically be stand cancelled and legal action as per prevailing rules shall be taken.

Accepted tenderer will have to purchase necessary tender documents as per notification No. 452-A/PW/0/10C-35/10, Dated. 25.07.2011 of PWD and make an agreement in non-judicial stamp paper Rs. 100/-



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(7)

During evaluation the committee may summon of the tenderers and seek clarification / information or additional documents or original hard copy of any of the documents already submitted and if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

The Earnest Money may be forfeited –

In case of a successful Bidder, if the Bidder fails within the specified time limit to Sign the agreement.

Financial proposal

The financial proposal should contain the following documents in one cover (folder) i.e. Bill of quantities (BOQ) the Agency/Bidder is to quote the rate (percentage above/ Below/ At par) online through computer in the space marked for quoting rate in the BOQ.

Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the Agency/Bidder.

1. **Penalty for suppression / distortion of facts**

Submission of false document by tenderer is strictly prohibited & if found action may be referred to the appropriate authority for prosecution as per relevant IT Act with forfeiture of earnest money forthwith.

2. **Opening of Financial Bid:**

- 1) Financial proposals will be open by the Managing Director, WBMDFC along with/ or his authorized representative electronically.
- 2) After opening of Financial Bid, if situation demands, Managing Director, WBMDFC may call off-line open Bid among the Qualified Bidders to lower down the rate if required. So all qualified Bidders are requested to remain present in the Chamber of the Managing Director, WBMDFC. On that day at the time of opening the financial bid.

No objection in this respect will be entertained raised by any Bidders who will be present during opening of tender, or from any Bidder who will be absent at the time of opening of tenders.



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(8)

GENERAL TERMS & CONDITION

1. After completion of work, the agency will furnish as-built drawings (2 sets) at his own cost.
2. The Agency/Bidder will be permitted to work 7 days in a week round the clock subject to approval of Corporation (WBMDFC).
3. No idle labour charges will be entertained at any circumstances.
4. The Agency/Bidder shall procure the best available materials as specified in tender schedule confirming to the relevant BIS standard and all materials to be used in work shall duly be approved by the Engineer in-Charge.
5. No secured advance on materials is admissible.
6. No mobilisation in advance is admissible under this contract.
7. Necessary safety and security measure (viz. uses of safety belt, nets, helmets etc) to the workers are to be given by the tenderer at his own cost.
8. 8% of the bill amount including Earnest money shall be kept as retention money which will be converted to security deposit.
9. 100% retention money shall be refunded after three years from virtual completion of work satisfactory.
10. All statutory deduction of taxes as applicable as per rule will be deducted from the agency's bill.
11. 1% labour welfare cess as per construction workers, will be deducted from agency's bill.
12. Rate should be quoted inclusive of all Taxes and charges.
13. Payment will be made on the basis of actual measurement of the work executed as per specification (BOQ) and terms of contract.
14. The time allowed for completion of work as mentioned in the tender shall be strictly observed by the Agency/Bidder and shall be reckoned from the date on which the order to commence work is given to the Agency/Bidder. The work throughout the stipulated period of the contract be proceeded with all the due diligence (time being deemed to be of the essence of the contract on the part of the Agency/Bidder) In the event of the Agency/Bidder failing to commence or finish the work within the due date as per work programme submitted before execution of work, he shall be liable to pay as compensation an amount equal to the one percent as per estimated value of tender or such smaller amount as fixed by the Corporation for every week delay all the work remains un-commenced or un-finished after the stipulated due date.
15. In case the work is deliberately suspended for more than half month due to fault of the agency, his security deposit as constituted or earnest money will be forfeited by the Corporation, and the agency will be black listed from participating in tender/quotation for at least 3 years.



West Bengal Minorities' Development & Finance Corporation

(A Statutory Corporation of Govt. of West Bengal)

(9)

16. The Agency/Bidder will be liable to maintain the work at the appropriate service level to the satisfaction of the Engineer-in Charge at his own cost for the entire security period from the date of completion. If any defect/damage is found during the period as mentioned above, the Agency/Bidder shall make the same good as per contract otherwise, penal action against the Agency will be imposed by the Corporation as deemed fit. The quantity of various items are approximate and may vary as per site condition and decision of WBMDFC. The agency will have to quote its rate considering the above aspect.
17. Liability period of maintenance of the Agency/Bidder is 36 months from the day of virtual completion of the said work as certified by the authority and within this period if any defect is found in any item it must be rectified or replaced by the agency at his own cost.
18. If the Agency/Bidder fails to do any rectification/replacement as suggested by the authority, the Corporation shall be entitled to carry out such work by his own work men or by other Agency/Bidder. In such cases necessary expenditure would be deducted from the security deposit of the prime agency.
19. No price escalation will be allowed during period of construction.
20. Agency/Bidder shall take every precaution to protect against damage breakage or pilferage of any material of Corporation and if such happened that will be borne by the Agency/Bidder.
21. All quantity of the items are approximate/variable. No such claim of the Agency/Bidder will be entertained if any one item or more than one item is not executed as per site condition or as per decision of the Corporation.
22. Excess quantity of work may be carried out subject to approval of the Corporation.
23. Any additional item of work if required by the authority shall be evaluated at the rate set out in the contract and if the contract does not contain any rate applicable for extra or additional work, the suitable price shall be taken from the PWD schedule (WB) as far as practicable. If there is no similar item in PWD schedule of rates, the item rates to be derived as per current market price as per satisfaction of the authority, and the agency has to do such extra/additional work on the determined rate.
24. The agency will have to carry out his work in coordination with the work of other agency selected by WBMDFC to complete the work in scheduled time.

Enclose: Form-1 & Form-2 and priced schedule.


Managing Director

No.1760-MDC/EPB-13

Dated: 29.04.2022

Copy forwarded for information and circulation the:

1. Spl. Secretary, MA & ME Department, Govt. of West Bengal
2. Director, Directorate of Madrasah Education
3. General Manager, WBMDFC
4. Chief Accounts Officer, WBMDFC
5. Departmental website


Managing Director

No.1760-MDC/EPB-13

Dated: 29.04.2022

Copy forwarded for kind information to the:

Hon'ble Chairman, WBMDFC
Secretary, MA & ME Department, Govt. of West Bengal


Managing Director

**Work Schedule :- Supply , Installation, Testing and Commissioning of EPBX and allied Network for the Office of the WBMDFC, AMBER: DD-27/E,
Sector-I, Salt Lake City, Kolkata-700064**

SI No	Item Description	Quantity	Unit
1	<p>SITC of: IP Unified Business Communication System with all necessary power accessories: EPBAX system with line: 8PNT(Minimum) No; Extension: 30ISDN PRI, 60 SIP Extensions License, Expendable up to 500 SIP Extensions with all necessary power accessories; Other Features; Hotline, Live call supervision, Auto Call Back, Automatic Call, Disconnect, Auto Redial , Call Splitting, Call Conference, Direct Inward Dialing, External Call Forwarding, Executive/ Secretary etc. Make: Cisco, Unify, Avaya, NEC Warranty: 03(Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	1	No
2	<p>SITC of POE SIP phone having minimum technical specification: Graphical Display, Context Sensitive and Fixed Function Keys , Full Duplex Speakerphone with AEC, VAD,CNG, TLS/SRTP for voice Security, Integrated PoE (802.3af),IPv6 Ready, PC and LAN Ports, LED for Incoming / Ongoing Call, MWI, Mute, Hold, Intuitive User Interface with Icons and Soft keys, Caller ID with Name, Number, 2 x 10 /100 Mbps LAN & PC Ports, 1 x RJ9 Handset Port,1 x RJ9 Handset Port , Local Phonebook up to 1000 entries Black List, Call History: Dialed /Received/ Missed/Forwarded, Intelligent Search. Make:Cisco, Unify, Avaya, NEC. Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	40	No
3	<p>SITC of IP POE based Telephone Set with the following specification: minimum 4 with LED context-sensitive softkeyS, supports 16 with LED Free-programmable keys, 10/100/1000 Mb/s LAN connection (Ethernet with auto-sensing) interface support, Energy Efficient Ethernet (IEEE 802.3az), Bluetooth V2. 1 BR/EDR (hands free profile, headset profile), Passive RFID tag, power over Ethernet (PoE, IEEE 802. af), PoE Class 2, Connection option for Key module: Expansion upto 4 KM600 Key Module Model: CP600/Equiv of Avaya/CISCO/NEC 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	12	No



SI No	Item Description	Quantity	Unit
4	<p>SITC of Layer 2, PoE enabled, with PD: minimum 370 Watt (should have minimum 15.4 Watt per port), fully managed, 1 RU, GE Switch to be operated on 200-240 V, 50 Hz supply, with perpetual license of OEM having minimum technical specification: a) 24x10/100/1000 Base- T Mbps PoE + enabled host ports (minimum); b) 4x1/10GE SFP port; c) Forwarding performance/stacking bandwidth/ backplane speed (minimum) of 41.5 Mbps; d) Flawless operation with operating temperature up to 50 °C; e) DRAM and Flash RAM as per OEM; F) Software support with IPv4 routing (542 routes), multicast routing (IGMP) including necessary software license; g) Minimum switching capacity of 56Gbps; h) Number of VLAN Supported: 64 (minimum); i) Total number of MAC Address: 8,000 (Minimum); j) Minimum Security: User privilege management and password protection, DoS attack defense, ARP attack defense , and ICMP attack defense, Binding of the IP address, MAC address, interface, and VLAN, port isolation, port security, and sticky MAC, MFF, Backhole MAC address entries, Limit on the number of learned MAC, addresses, 802.1x authentication and limit on the number of users on an interface, AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC, SSH v2.0, Hypertext Transfer protocol Secure (HTTPS), CPU defense, Blacklist and whitelist; Access Security: DHCP Relay, DHCP Server, DHCP Snooping, DHCP Security; k) Others: Applicable standards: IEEE 802.1p: CoS prioritization , IEEE 802.1Q VLAN tagging IEEE 802.1X port Access Control, IEEE 802.3: 10BASE-T, IEEE 802.3u: 100BASE- T, IEEE 802.3ab: 1000 BASE-T, IEEE 802.3z: 1000BASE-X, IEEE 802.3f: Power over Ethernet, IEEE 802.3at: Power over Ethernet Plus, IEEE 802.3x: pause Frames/Flow Control, IEEE 802.1D: Spanning Tree Protocol, IEEE 802.1s: Multiple instances of Spanning Tree Protocol (MSTP), IEEE 802.1w: Repaid reconfiguration of spanning Tree Protocol IEEE 802.3ad: Link Aggregation Control Protocol; l) REGULATORY: RoHS, WEEE, IEC 61000-4-2: 2008, CISPR Class, ICES-003 Class A, UL, CSA 22.2, FCC,EN 300 386, CCC, ICES-003, CB. The OEM should have 24x7 TAC support center with India toll free number reflected in official Website. Make: Cisco, Aruba, Extreme, Juniper Model: C1000/Equip Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	2	SET
5	<p>SITC & Laying of PVC conduits (ISI marked) laying through surface with all accessories as required for the entire system with all OEM accessories (Quality: MMS; Ø=25mm) Make Precision, Presto Plast, Supreme, Quality : ISI. Warranty 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	180	RM
6	<p>SITC of Networking Horizontal unArmoured Cable, 1000Base-T (Gigabit Ethernet), 100Base-T (Fast Ethernet),10Base-T (Ethernet),1-250 MHz (Minimum), Category 6, 4-Pair, U/UTP, 23 AWG solid bare copper conductors with FEP insulation,polyester separator, LSZH OUTER sheath COVER as to standard of ISO/IEC 11801Ed. 2.0, EN 50173-1 and TIA/EIA 568C, Make : Legrand, R & M, Tyco, Commscope Warranty: 03(Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	610	Mtr
7	<p>SITC of Indoor I/O port adpater RJ45/RJ11 with GI box and Single face cover plate etc Make: Legrand, R & M, Tyco, Commscope Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	52	No

SI No	Item Description	Quantity	Unit
8	SITC of CAT 6 F/UTP 24 Port Modular fully loaded patch Panel ISO 11801 AMD 1 Class EA TIA-568-C.2 Cat 6 ANSI/EIA-1069-A IEC 60603-7 Make: Legrand, R & M, Tyco, Commscope Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.	2	No
9	SITC of PATCH CHORD Category 6 4-Pair, F/UTP, Horizontal cable, 23 AWG solid bare copper conductors WITH RJ45 CONNECTOR AT BOTH END 1 MTR LENGTH, Make: Legrand, R & M, Tyco, Commscope Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.	52	No
10	SITC of PATCH CHORD Category 6-4-Pair, F/UTP, Horizontal cable, 23 AWG solid bare copper conductors WITH RJ45 CONNECTOR AT BOTH END 2 MTR LENGTH, Make: Legrand, R & M, Tyco, Commscope Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.	52	No
11	SITC of WALL Mounted Cross Connect Equipments Network Rack 12U x 600 x 500 Rack - Front Glass Door with Cam Lock - Fan Unit of 90 CFM / 230 Volt - 1no - 6 Way 5A PDU, along with input Cable - 1no. Hardware packet of 20-3 No., Make: Tata, Vertiv, Netrack, Valrack, Rittal, APW, Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.	1	No
12	SITC of 10Gb Duplex Single mode 50/125 OM3 LSZH Armoured Fiber Patch Cable, SC-SC/SC-LC/LC-LC as per sites requirements - 3 MTR Make: Legrand, R & M, Tyco, Commscope Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.	4	No
13	SITC of 1G Base SR Single Mode modular and field replaceable SFP module of same rating of Ethernet Switch & OEM Make: Juniper, Extreme, Aruba, Netgear Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.	4	No



SI No	Item Description	Quantity	Unit
14	<p>SITC: 03 KVA Online UPS (1-ph input, 1-ph output) System with 5400 VAH (Min) Back-up Battery, Rack, Links, Cables & Other Accessories. Technology: Digital Signal Processing (DSP) controlled Microprocessor based technology true On-line, Hot-Standby Mode, Parallel Redundant Mode or Load Sharing Mode (1+1) configuration enabled; Input: 1-phase, 220/230/240V, 176 ~ 280 Vac (full load); 80 ~ 175 Vac (50% ~ 100% load), > 0.99PF (full load), 50Hz ± 5Hz, Current Harmonic Distortion < 3.0%; Output: 1-phase, 220/230V/240V ± 1%, > 0.90PF (full load), 50 Hz ± 0.1Hz; Harmonic Distortion (input current): < 3% (linear load); Crest factor: 3:1; Efficiency (AC/DC) Overall is (Online Mode) > =93% at full load; Operating Temperature: 0 ~ 55° C; Relative Humidity: 5 ~95% (non-condensing); Battery: SMF, 12 V, Mono Block batteries. The UPS battery shall be of Advanced Glass Mat Valve Regulated Sealed Lead Acid Battery Construction type (AGM or VRSLAB) in ABS Flame Retardant (UL94V-0) grade (UL 2436) spill containment casing to meet UL 62368-1/IEC 62133 or equivalent standards type to obtain a full rated load battery backup, standard FR DC Cable; Battery set: Complete with self standing cubicle or cabinet; Certification: CE, BIS; Type Test Report: ISO 9001, ISO14001, OSHAS18001; Display: LCD display and LED indicators; Separate Battery bank with accessorised. Including Inbuild/Separate Isolation Transformer & necessary Earthing arrangement.</p> <p>03 KVA 1φ /1φ (Phase input/output) with 5400 VAH (Min) Battery Backup or equivalent VAH or Higher, DC BUSBAR VOLTAGE ±72-± 240; 12V SMF Battery, with MS-Rack, Interlink Nyvin Cable, Connector, Special battery terminal insulation cover and other accessories. Make: Schneider, APC, DELTA, Vertiv, Eaton, Numeric, Hitachi, Avo, Orion; Make Battery: Amara Raja-Quanta/Exide, Model: Rack Mount Only.</p> <p>Warranty: 03(Three) years on UPS & 03(Three) years on Battery onsite comprehensive OEM warranty with parts and service except force majeure.</p>	1	Set
15	<p>SITC of UPS Power Point to Network Racks, Audio-Video Racks, VC System, Projector, Desktop Workstation, Display, etc at different location through suitable power networking with 1.5/2.5/4 Sq mm 3 core FRLS PVC insulated unarmoured ISI marked copper cable (maximum 120mtr or as per site requirement), 3x16/6A Sockets with Separate 3x16/6A Switch and 1 x 6/16A MCB mounted in 16SWG GI box with Bakelite top cover complete. Switch, Sockets & MCB Make: Legrand, Hager, SIEMENS, L&T, Wire Make: Polycab, Mescab, Havells, Finolex</p> <p>Warranty: 03 (Three) years onsite comprehensive OEM warranty with parts and service except force majeure.</p>	2	No

