

JIWAJI UNIVERSITY, GWALIOR

S. No./Store/2020/1010

Date : 20-10-2020

Amendment E-Tender Notice

Online-E Tenders on <https://mptenders.gov.in> are invited from the reputed and established manufacturers/importers and authorized dealers for Supply and Installation of Equipments, Lift, Furniture at SOS, Jiwaji University, Gwalior. The Tender Documents along with all Terms and Conditions can also be seen in University website www.jiwaji.edu

S. No	Tender ID MP/JUG/ Tender No.	Description of work	Qty.	Estimates cost of work	EMD	Cost of Tender (Non refundable)	Time of Completion
1.	2020_JIWAJ_	Supply & Installation of Single Crystal X-ray Diffractometer	01	2,00,00,000/-	6,60,000/-	12,500/-	4 Months
2.		Supply & Installation of Benchtop NMR Spectrometer	01	80,00,000/-	2,40,000/-	10,000/-	4 Months
3.		Supply & Installation of HPC Cluster	01	1,50,00,000/-	4,50,000/-	12,500/-	4 Months
4.		Supply & Installation of SEM-EDAX	01	1,00,00,000/-	3,00,000/-	12,500/-	4 Months
5.		Supply & Installation of PPMS	01	2,20,00,000/-	6,60,000/-	15,000/-	4 Months
6.		Supply & Installation of GC-MS	01	70,00,000/-	2,10,000/-	10,000/-	4 Months
7.		Supply & Installation of CHN Analyser	01	40,00,000/-	1,20,000/-	5,000/-	4 Months
8.		Supply & Installation of AAS	01	35,00,000/-	1,20,000/-	5,000/-	4 Months
9.		Supply & Installation of Automated Nucleic Acid Extractor	01	25,00,000/-	70,000/-	5,000/-	4 Months
10.		Supply & Installation of Real Time PCR	01	20,00,000/-	60,000/-	5,000/-	4 Months
11.		Supply & Installation of Automatic Kjeldahl Nitrogen Analyser	01	15,00,000/-	45,000/-	2000/-	4 Months
12.		Supply & Installation of Laboratory Fermentor	01	12,00,000/-	36,000/-	2000/-	4 Months
13.		Supply & Installation of Gel Doc System	01	12,00,000/-	36,000/-	2000/-	4 Months
14.		Supply & Installation of Total Organic Carbon System	01	9,00,000/-	27,000/-	2000/-	4 Months
15.		Supply & Installation of Biosafety Cabinet	01	8,00,000/-	24,000/-	2000/-	4 Months
16.		Supply & Installation of Aerosol Mass monitor	01	4,00,000/-	12,000/-	2000/-	4 Months
17.		Supply & Installation of Microarray System	01	1,00,00,000/-	3,00,000/-	12,500/-	4 Months
18.		Supply & Installation of Cryostat	01	16,00,000/-	48,000/-	2000/-	4 Months
19.		Supply & Installation of Automatic Rotary Microtome	01	15,00,000/-	45,000/-	2000/-	4 Months
20.		Supply & Installation of Ultra-Low Temperature Freezer (-80°C)	01	8,00,000/-	24,000/-	2000/-	4 Months
21.		Supply & Installation of Behaviour & Activity Test System	01	65,00,000/-	1,95,000/-	10,000/-	4 Months
22.	2020_JIWAJ_	Supply of Furniture	01	70,00,000/-	2,10,000/-	10,000/-	4 Months
23.	2020_JIWAJ_	Supply & Installation of Lift	06	1,20,00,000/-	3,60,000/-	12,500/-	4 Months
24.	2020_JIWAJ_	Selling of Raddee	-	10,00,000/-	30,000/-	2,000/-	3 Months
25.	2020_JIWAJ_	Supply of Degree Container	80,000	9,00,000/-	27,000/-	2000/-	3 Months
26.	2020_JIWAJ_	Supply & Installation of Hand Made Paper Machinery & other equipments	Complete Plant	9,00,000/-	27,000/-	2000/-	3 Months
27.	2020_JIWAJ_	Supply & Installation of RFID for Library	-	18,00,000/-	54,000/-	2000/-	3 Months
28.	2020_JIWAJ_	Supply & Installation of Computer Center for Examination	-	5,00,00,000/-	15,00,000/-	15,000/-	4 Months

1. Last date of purchase of tender on line **23.11.2020** up to 5:00 P.M.
2. Last date of submission of online price bid **25.11.2020** up to 5:00 P.M.
3. Last date of submission of earnest, affidavit and other required document for fulfill technical bid by speed/ regd. post up to **27.11.2020** time 5:00 P.M.
4. Opening of Technical bid **28.11.2020**.
5. The remaining term and condition, corrigendum and amendment is issued (if any) related above were will be published on website only.
6. Registrar reserves the right on cancel, amend or extend the tender at any time without assigning any reason.

Amals
Registrar

JIWAJI UNIVERSITY, GWALIOR

Tender No./Store/2020/

Date:

ONLINE e-TENDER NOTICE

Online tenders are invited through www.mptenders.gov.in from Manufacturer / Authorized distributor only, for supply of various **IT Hardware and equipments**.

Tender document containing terms, condition & specification of the items can be downloaded from the e-procurement website www.mptenders.gov.in by paying Rs. 15,000/- online tender can also be seen at Universities website www.jiwaji.edu.

S. No	Tender ID MP/JUG/Tender NO.	Description of work	Qty.	Estimates Cost of work	EMD	Cost of Tender
1.	2020_JIWAJ_	Supply of IT Hardware and Equipments		5,00,00,000/-	15,00,000/-	15,000/- (Non refundable)

1. Online tender can be purchased up to 5.00 PM till **10 Nov. 2020**
2. Online price bid can be submitted up to 5.00 PM till **12 Nov. 2020**
3. Earnest money (EMD) and other documents can be submitted at Jiwaji University Stores through Speed Post / Registered Post up to 5.00 PM till **15 Nov. 2020**
4. Online bid will be opened on **19 Nov. 2020** at 3.00 PM
5. All terms and conditions of the tender can be seen on above websites
6. Registrar Jiwaji University Gwalior reserve right to accept / reject / cancel any tender without stating any reason

Registrar

जीवाजी विश्वविद्यालय, ग्वालियर

Tender No./Store/2020/

Date:

// ऑनलाइन e-निविदा आमंत्रण //

जीवाजी विश्वविद्यालय, ग्वालियर के लिए केवल निर्माण/अधिकृत विक्रेता से www.mptenders.gov.in पर ऑनलाइन निविदा आमंत्रित की जाती है जो कि www.mptenders.gov.in से डाउनलोड की जा सकती है, इसके अतिरिक्त विश्वविद्यालय की वेबसाइट www.jiwaji.edu पर भी देखी जा सकती है। विवरण निम्नानुसार है।

निविदा प्रपत्र समस्त टर्म्स एण्ड कंडीशन्स एवं विवरण सहित www.mptenders.gov.in वेबसाइट पर **रु0 15,00,000/-** ऑनलाइन टेण्डर फीस जमा करने पर डाउनलोड की जा सकती है।

टेण्डर क्रमांक MP/JUG/Tender No.	आई.डी.कार्य का विवरण	कार्य की लागत रु0	धरोहर राशि रु0	निविदा प्रपत्र की कीमत रु0
2020_JIWAJ_	IT Hardware and equipments	5,00,00,000 / -	15,00,000 / -	15,000 / - (वापसी योग्य नहीं)

- ऑनलाइन निविदा प्रपत्र क्रय करने की अंतिम तिथि 10/11/2020 सायं 5.00 बजे तक है
- ऑनलाइन बिड डालने का दिनांक 12/11/2020 सायं 5.00 बजे तक है
- धरोहर राशि एवं अन्य दस्तावेज स्पीड पोस्ट / पंजीकृत पत्र के द्वारा जीवाजी विश्वविद्यालय स्टोर में 15/11/2020 सायं 5.00 बजे तक प्राप्त की जाएगी
- ऑनलाइन बिड खुलने का दिनांक 19/11/2020 3:00 PM निर्धारित है
- निविदा के शेष समस्त जानकारी उपरोक्त दर्शायी गयी वेबसाइट्स पर देखी जा सकती है
- कुलसचिव जीवाजी विश्वविद्यालय को बिना कोई कारण बताये निविदा स्वीकृत / अस्वीकृत / रद्दीकरण करने का अधिकार होगा

कुलसचिव

Tender Form No.

Name of work : Supply of various IT hardware and equipments

Last date for purchase of online Tenders : _____ up to _____.
through www.mpeproc.gov.in

Last date for receiving online Tenders (Price bid) : _____ up to _____.

Last date for receiving EMD, Technical bid And other document : _____ up to ____p.m.

Opening of Technical bid : _____

Tender Cost :

Earnest Money Deposit (EMD) :

Eligibility terms and conditions

E-Tenders are invited from Reputed Manufacturers/ Authorized Suppliers for the supply of various IT hardware and equipments as mentioned in the enclosed list. Tenders will be considered subject to the following terms and conditions.

- 1) All tenders must be accompanied by EMD (as applicable) for an amount mentioned above. Startups recognized by Department of Industrial Policy & Promotion (DIPP) shall be eligible for exemption from EMD and tender fees.
- 2) The tender document containing terms, conditions & specifications of the items can be downloaded from the website www.mptenders.gov.in by paying Rs._____ online tenders can also be seen at Universities website www.jiwaji.edu
- 3) The bidder should agree to furnish a Bank Guarantee from a Nationalized Bank for up to 10 % of the equipment, and should have validity for the entire Warranty Period.
- 4) The bidder should agree to execute an agreement for proper supply and satisfactory working of the equipment exactly to the specifications mentioned.
- 5) The bidder must have supplied IT hardware to Govt. organizations/PSU/Financial Institutions/other private organizations in last 2 years. Startups recognized by Department of Industrial Policy & Promotion (DIPP) shall be eligible for exemption from prior experience.
- 6) The average turnover of the bidder in last 3 years should be at least 1 crore.
- 7) The rates quoted should be FOR Gwalior. The prices should be inclusive of GST and other charges.

- 8) The transportation up to Jiwaji University should be undertaken by the supplier and prices should be included in the bid. All relevant documents shall be provided by the University
- 9) The Manufacturer's name, their trademark and brand should invariably be mentioned in the tender and illustrated leaflets giving technical particulars/ details etc. should be attached with the quotation to facilitate consideration of the offer.
- 10) The Bidder should quote their best willing price which should be valid for the period of 60 days from the due date of tender.
- 11) The period of delivery of the equipment should be quoted.
- 12) Advance payment either direct or through bank will not be accepted under any circumstances. As per rule, full payment will be made after receipt of material, inspection thereof and after satisfactory working of the entire equipment.
- 13) Offers received not according to our terms and conditions and within the time prescribed shall be rejected.
- 14) In all matters of dispute the decision of Registrar, Jiwaji University, Gwalior shall be final & binding on the Bidders.
- 15) The address of Customer Care Centre for maintenance should be provided.
- 16) In case of an authorized Supplier, Manufacturer authorization form has to be submitted.
- 17) The date and time of opening of tender is _____ at _____ in the presence of intending Bidders or their representative who may like to be present in the office of the registrar, Jiwaji University, Gwalior.
- 18) If any of the dates of the receipt /opening of Tender happen to be declared as holiday, the schedule will be shifted to the next working day automatically. The University reserves the right to change the date.

Jiwaji University, Gwalior

Annexure-1

(To be enclosed with the Technical Bid)

Tender for IT Hardware and equipments

Tender No

Name of the party submitting:
the Tender

To
The Registrar
Jiwaji University
Gwalior 474 011, MP, India

Dear Sir,

1. I/We hereby submit our tender for : _____
2. I/We am/are enclosing herewith EMD No.Dated.....For Rs.....
drawn in favour of the “ The Registrar, Jiwaji University, Gwalior” towards EMD, and Receipt dated..... For Rs.
_____ towards tender fee paid through www.mpeoproc.gov.in .
3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the Jiwaji University, in this connection including delivery, warranty, penalty, etc. Quotations for each item are being submitted under separate covers, and shall be considered on their face value.
5. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.
6. Tenders are duly signed (No thumb impression should be affixed)
7. I/We undertake to sign the contract/agreement, if required, within 15 (Fifteen days) from the date of issue of the letter of acceptance, failing which our/my earnest money deposited may be forfeited and our/my name may be removed from the list of suppliers at Jiwaji University, Gwalior.

Yours faithfully,

Signature of Tender(s) with full Address.

CHECK LIST FOR TERMS AND CONDITIONS

Check list for Terms and Conditions (To be filled by the bidder and submitted along with the technical bid). Supporting documents must be numbered serially and the same must be indicated here on this page

1. Manufacturer's Authorization Form .
2. List of organizations supplied with IT hardware_____
3. Whether the quoted price is – FOR Gwalior:
4. Whether rates are quoted as per tender's specifications _____
5. Quotation being submitted directly by the manufacturer or authorized supplier _____
6. Quality assurance certificate like ISO .
7. Proof of tendering firm having filled IT Return for FY 2016-17, 2017-18 & 2018-19 attached

8. EMD amounting is enclosed 75000/-_____
9. Copy of GST registration attached_____
10. Tender fee Receipt of MP Online enclosed_____
11. Literature of original catalogue of the product and accessories are attached for reference_____
- 12 Comprehensive Guarantee/Warranty for a period not less than one year: YES/NO.

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)

(To be enclosed with technical bid)**Note:**

1	Reputed manufactures (specified in the tender notice) or their Authorized agents only need to respond to the tender notice	Agreeable/Not agreeable
2	Separate quotation must be submitted for each item specified in the tender notice. Taxes, duties, packing & forwarding charges, transport and insurance charges may be separately indicated where applicable	Agreeable/Not agreeable
3	The make model no. detailed specifications, illustrative pamphlets must accompany the quotation without which the quotation are liable to be rejected.	Agreeable/Not agreeable
4	In case the bidder is an authorized agent, documentary proof to this effect must be enclosed with the quotation	Agreeable/Not agreeable
5	Bidders detailed company profile, along with address and telephone no. must be given along with the quotation.	Agreeable/Not agreeable
6	The bidder must furnish a list of customers to whom the IT hardware has been supplied.	Agreeable/Not agreeable
7	Bidders are requested to carefully go through the specifications given in the tender and quote only when they are sure they have product specified to offer.	Agreeable/Not agreeable
8	Warranty details and terms and conditions of warranty must be given. If any component of the equipment quoted is not covered by the warranty the same must be specified	Agreeable/Not agreeable
9	Performance guarantee: In case the Purchase Order is placed, 10% of the equipment value has to be submitted as performance security deposit in the form of bank Guarantee till the completion of warranty period	Agreeable/Not agreeable

Note :

1)Unless the questionnaire is completely filled in and detailed information provided as required, your offer is liable to be rejected.

Signature of the Bidder

// AFFIDAVIT //

(To be submitted along with Technical Bid)

I/We.....who is/are
.....(status in the firm/company) and competent for submission of the
affidavit on behalf of M/s.....
(Contractor) do solemnly affirm an oath and state that:

I/we, am/are fully satisfied for the correctness of the certificates / records submitted in support of the following
information in bid documents which are being submitted in response to notice inviting e-tender
No.....for.....
(name of work) datedissued by the(name of the department).

I/we am/are fully responsible for the correctness of following self-certified information/document and certificates:

1. That the self-certified information given in the bid document is fully true and authentic.
2. That:
 - a. Demand draft deposited as earnest money, demand draft for cost of bid document and other relevant document provided by the bank are authentic .
 - b. Information regarding financial qualification and annual turnover is correct.
 - c. Information regarding various technical qualifications is correct.
3. No close relative of the undersigned and our firm/company is working in the department.

OR

4. Following close relative are working in the department:

Name.....Post.....Present Posting.....

Signature with seal of the deponent (bidder)

I/We.....above deponent do hereby certify that the facts mentioned in above
paras 1 to 4 are correct to the best of my knowledge and belief.

Verified today(Dated) at.....(place)

Signature with seal of the deponent (bidder)

JIWAJI UNIVERSITY, GWALIOR**COMMERCIAL BID (ONLINE) FOR PURCHASE OF Equipments**

1. Name of the Firm :-

.....

2. Address of the Firm :-

.....

3. Name of the Proprietor / Partner / Director of the Firm :-

.....

4. Telephone No and e-mail ID. :-

.....

**COMMERCIAL BID FORM (e-Bid)
Required Hardware with Quantity**

Sr. No.	Equipment	Qty.	Rate / Item	
			Price in Rs./Foreign Exchange Equivalent (Inclusive of GST and All Taxes)	
			In Figure	In words
1.	Computer Server Rack server	04		
2.	Desk Top Computers	800		
3.	UPS 240 KVA – 80 KVA x 3 = 240 KVA	01		
4.	Generator Set 200 KVA	02		
5.	Multipurpose rack for server and network switches	01		
6.	Switches and power supply rack	08		
7.	Port Switch	20		
8.	Manage Switch for OFC	08		
9.	NVR	01		
10.	Dome Camera	32		
11.	Bullet Camera	08		

12.	POE Switch	08		
13.	HDD Storage (NAF Storage TB usable)	20		
14.	Cat-6 cable in meter	25000		
15.	Firewall	02		
16.	Anti-virus software	800		
17.	LED Monitor 55"	04		
18.	6 amp switches and sockets	850		
19.	Work station with partition (Six seater both sides)	134		
20.	Revolving chair	830		
21.	Electrical Work as needed for the center (Technical Specification Clause –G (1-13)	As given in clause-G (1-13)		

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)

PROFORMA OF PERFORMANCE BANK GUARANTEE

In consideration of the Registrar, Jiwaji University, Gwalior (hereinafter called the “Client”) having offered to accept the terms and conditions of the proposed agreement (hereinafter called the “said

Agreement”) between Registrar, Jiwaji University, Gwalior and M/s..... (hereinafter called the “said Contractor”) for the work of Catering Services having agreed to production of an irrevocable bank guarantee for Rs._____ (Rupees _____ only) as a security / guarantee from the contractor for compliance of its obligations in accordance with the terms and conditions in the said agreement.

We _____ (hereafter referred to as the “Bank”) hereby undertake following:

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

Dated the ____ day of ____ for _____

Signature of the authorized officer of the Bank
Name & Designation of the officer
Seal, Name & Address of the Bank and Address of the Branch

FORMAT OF CONTRACT AGREEMENT

(On Non-judicial Stamp Paper as per m.p Govt. rules)

THIS AGREEMENT made the day of, 2018 Between Registrar, Jiwaji University, Gwalior (hereinafter "the Client") of the one part and M/s _____ (hereinafter called "the Contractor") of the other part:

WHEREAS the Client is desirous that certain services viz. Supply Catering Services in the tender reference no. _____ Dated _____ and has accepted a bid by the Contractor for the performance services for the sum of Rs. _____/- (*Rupees* _____ *only*) (hereinafter called "the Contract Price") and supply of consumables as per rates given in the financial bid of its tender.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to, and they shall be deemed to form and be read and construed as part of this agreement.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

- a) The Letter of Acceptance issued by the Client.
- b) The supplier's bid including enclosures, annexure, etc.
- c) Tender document along with all enclosed documents.
- d) Any other document listed in the supplier's bid and replies to queries, clarifications issued by the service provider, such confirmations given by the bidder which are acceptable to the contractor and the entire Addendum issued as forming part of the contract.

3. In consideration of the payments to be made by the Client to the Contractor as hereinafter mentioned, the Contractor hereby covenant with the Client to provide, the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Client hereby covenants to pay the Contractor in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the goods and services which shall be supplied / provided by the Contractor are as under.

Sl. No	Brief Description of Services	Contract Duration	Total Price	GST tax in %	Total value inclusive of GST tax
1					

IN WITNESS where of the parties here to have caused this Agreement to be executed in accordance with their

TECHNICAL SPECIFICATION

Computer Server

A	Server and computer	
S.No.	Item Description	Qty
1	<p>RACK SERVER SPECIFICATION</p> <p>Market position The OEM for the proposed server should have been one of the top three server vendors as per the last published IDC Report, Chipset Lewisburg PCH Intel C621,Form Factor Lewisburg PCH Intel C621,Configured CPU2 X Intel Xeon silver 4208 processors, Memory slots16 DDR4 DIMM slots, speed up to 3200 MT/s RDIMMs, Memory configured2 X 32 GB DIMMs, Disks supported Front drive bays: Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 4 NVMe SSD or up to 4 x 3.5 SAS/SATA HDD,RAID Controller Integrated PCIe 3.0 12Gbps Single, Disks configured2 X 1.2 TB SAS 10K RPM drives, DVD writer, I/O slots Up to 2 Gen 3 x16PCIe Slots, Onboard Ethernet ports2 x 1G RJ45,Onboard Ethernet ports2 x 1G RJ45,Certified for Windows Server 2016, VMware, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Power Supply550W Platinum rated redundant, I/O slots Up to 2 Gen 3 x16PCIe Slots, Onboard Ethernet ports2 x 1G RJ45,Certified for Windows Server 2016, VMware, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Power Supply550W Platinum rated redundant, Warranty 3 years Next business Day support (Make Dell/HP/Asus or Higher)</p>	04
	<p>Configuration , management & Server security</p> <ul style="list-style-type: none"> Real-time out-of-band hardware performance monitoring & alerting Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health Out-of-band hardware & firmware inventory Zero-touch auto configuration to auto deploy a baseline server configuration profile Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber-attacks. Should protect against firmware which executes before the OSboots Should provide effective protection, reliable detection & rapid recovery using: <ul style="list-style-type: none"> Silicon-based Hardware Root of Trust Signed firmware updates Secure default passwords Configuration and firmware drift detection Persistent event logging including user activity Secure alerting Automatic BIOS recovery Rapid OS recovery System erase Configuration upgrades should be only with cryptographically signed firmware and software Should provide system lockdown feature to prevent change (or "drift") in system firmware image(s) & prevent malicious modification of server firmware 	
2	<p>DESKTOP COMPUTER SPECIFICATION</p> <p>9thGen Intel® Core™ i3-9100,ChipsetB365 or higher, minimum 290W,PSUminimum 290W,RAM4Gx1, DDR42400MHz or higher UDIMM,Max. RAM (upgradable)32 GB,DIMM Slots 2,GraphicsIntegrated,Wireless802.11bgn + Bluetooth 4.0, 2.4 GHz, 1x1,HDD Capacity (Single)1 TB-7200 RPM,HDD Type SATA / M.2 SSD, Optical Drive yes, Video Ports (Default)HDMI and VGA,USB 2.0 4 no., USB 3.1 2 no., OS Ubuntu, Expansion PCIe x 16 1nos.PCIe x 1 2nos.,SecurityTPM 2.0,Chassis Volume (Liters)less than 18 liters, Chassis Type Tower ,Keyboard and mouse USB KB and mouse from same OEMwarranty3 years OEM onsite warranty, Certification FCC,UL, Epeat, Energy Starwindow and Ubuntu certified,Monitor21.5",CertificationROHS,TCO Certified,Resolution1920*1080 or better,Panel Technologies (Make Dell/HP/Asus or higher)</p>	800

B	Networking and CCTV Surveillance	
1	42U Server Rack Specification Rack should have 100% assured compatibility with all equipment's conforming to DIN 41494 .(GIS for equipment's) or Equivalent EIA /ISO / EN Standard, QMS ISO9001:2015, OHSAS Health Management system ISO14001:2004 & 18001:2007, Security Management system through ISO27000:2013, Products must be UL Certified, Rack should be 2115mm in height in , 800MM in Width & 1000MM in Depth, Rack should support static load of 750kgs on Casters and 1200kgs on plinth, Accessories should have 2 Nos. PDU,4 Fan's -230V AC - 90 CFM, 1 No of shelf (Make- Systimax / Rittal / Legrand/Panduit or higher)	1
2	32U Network Rack Specification Rack should have 100% assured compatibility with all equipment's conforming to DIN 41494 .(GIS for equipment's) or Equivalent EIA /ISO / EN Standard, QMS ISO9001:2015, OHSAS Health Management system ISO14001:2004 & 18001:2007, Security Management system through ISO27000:2013, Products must be UL Certified, load of up to 750kgs on Casters and up to 1200kgs on plinth, Rack should be 1600mm in height in , 800MM in Width & 800MM in Depth. Accessories should have 2 Nos. PDU,4 Fan's -230V AC - 90 CFM, 1 No of shelf (Make- Systimax / Rittal / Legrand/Panduit or higher)	1
3	12 U Wall mount Rack Rack should have 100% assured compatibility with all equipment's conforming to DIN 41494 (General Industrial Standard for equipment's) or Equivalent EIA /ISO / EN Standar, Dimension 600mm in width and 500 in depth for Network application,Accessaries Rack should have 1 no. Power Distribution Units with 06 Amp Universal - 06 Socket - 16 Amp Switch with Indicator - 06 Amp Fuse - 06 Amp 3 Pin Plug with Power Cable 0.75 sq.mm 1.5 meter Length, 3 no. Horizontal Cable Organizer, Glass Door with lock and key,Hardware. (Make- Systimax / Rittal / Legrand/Panduit or higher)	16
4	48 PORT Gigabit Manageable Switch Specification Should have 48 x 10/100/1000 Base-T ports & 4xSFP+ ports supporting both 1GbE & 10GbE transceivers,19"rack mountable, 40Gbps stack bandwidth, (Make Cisco/Juniper/HP/Dell)	17
5	16 Port Gigabyte Switch Rack mountable Gigabit Ethernet unmanageable Power 100-240V (Make Cisco/Juniper/HP/Dell/Netgear)	8
6	Gigabyte Manageable SFP Switch 10 port gigabit mange SFP Switch, packing Domination 38.1 x 31.5 x 8.13 cm; 2.25 Kilograms (Make- Cisco/Juniper/HP/Dell)	1
7	Layer 2 Lite Managed 8 port PoE Switch 19" Rack Mountable,8 Port 10/100/1000 with PoE Managed Switch + 4 Combo GE/SFP ports,140W (PoE+ supported),support 4 No's 1000 Base mini GBIC/SFP tans receivers LC connector for connecting single mode fibre(LX) / Multi mode fibre (SX)Supports Up to 8K MAC addresses, Switching capacity 24 Gbps non-blocking, Dimension,330(W) x 230(D) x 44(H) mm, Power AC Input 100-240V AC. Power Cable as per Indian Standards to be Provided Make- Cisco/Juniper/HP	8
8	1000Base-X (SFP) SFP Module 1Gbps1000 BASE –LX SFP transceiver for single Mode Fiber,1320nm wavelength, support up to 10 KM. (Make- Cisco/Juniper/HP/Dell)	16
9	Cat-6 Cable Supplying,Installation and drawing of 4 pair shielded, 0.5 mm PVC.Insulated copper conductor un- armored Cat-6 computer cable FR in existing surface / concealed,steel / PVC. Conduit/Casing-N-Capping as required. (Make Systimax /Panduit /Legrand or higher) (25000m or actual)	25000 Meter
10	Supply and installation of RJ- 45 Computer Jack cat 6 with shutter Modular (1Module) phase plate, and metal box/Surface box . (Make- Systimax / Panduit / Legrand or higher)	840
11	Supply and Installation of 19" Modular Patch - 2 U Patch Panel 48, RJ 45 Cat-6 connector.10 Gbps (Make- Systimax / Panduit /Legrand or higher)	16
12	Supply and Installation of 19" Modular Patch - 1U Patch Panel 24, RJ 45 Cat-6 connector.10 Gbps (Make- Systimax / Panduit /Legrand or higher)	4
13	Supply and installation of CAT 6 RJ45 Patch Cord F/UTP 1 Meter (Make- Systimax /Panduit /Legrand or higher)	840
14	Supply and installation of CAT 6 RJ45 Patch Cord F/UTP 2 Meter (Make- Systimax /Panduit /Legrand or higher)	840

15	Supply, Installation and testing of 6 Core OM3 Indoor Unarmored LSZH OFC SM (Make- Systimax /Panduit /Legrand or higher)	500 Meter
16	Supply, Installation and Splicing of Fiber Optic Drawer - LIU loaded 12 port (6 fiber splices on each LIU)(Make- Systimax /Panduit /Legrand or higher)	8
17	Supply, Installation and Splicing of Fiber Optic Drawer - LIU loaded 24 port (All fiber splices on each LIU)(Make- Systimax /Panduit /Legrand or higher)	2
18	Supply, Installation and Fixing of LC/LC Duplex Patch Cord OM3 - 1 mtr (Make- Systimax /Panduit /Legrand or higher)	16
19	Supply and Installation 32 Ch. H.265 4K Network Video Recorder Up to 32 channel IP camera input Smart H.265+/H.265/Smart H.264+/H.264 dual codec decoding Up to 8MP resolution preview and playback Max 200Mbps incoming bandwidth Support 2 SATA HDDs up to 12TB, 2 USB(1 USB3.0)HDMI / VGA simultaneous video output Support Multi-brand network cameras ONVIF Version 2.4 conformance	1
20	Supply and Installation 16 Ch. H.265 4K Network Video Recorder Up to 16 channel IP camera input Smart H.265+/H.265/Smart H.264+/H.264 dual codec decodingUp to 8MP resolution preview and playback Max 200Mbps incoming bandwidthSupport 2 SATA HDDs up to 8TB, 2 USB(1 USB3.0)HDMI / VGA simultaneous video outputSupport Multi-brand network cameras ONVIF Version 2.4 conformance	1
21	Supply and installation 4MP Full HD WDR IR Vandal Dome Camera - 50Mtr. 1/2.7" 4Megapixel PS CMOS Image Sensor,0.005 Lux@F1.6, 25/30fps@4M(2688x1520)H.265+ and H.264+ triple-stream encodingWDR(120dB), Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLCIR Range of 50 Mtrs, IP67, IK10, Micro SD Card, PoESupport Starlight Technology , Audio Input, Audio Output, Alarm IN, Alarm Output, Smart Detection-Tripwire; intrusion,	32
22	Supply & installation 4 MP Full HD WDR IR Bullet Camera – 80Mtr.1/3" 4Megapixel PS CMOS Image Sensor, Minimum Illumination 0.01Lux/F2.0 (Color), 0Lux/F2.0(IR on)25/30fps@4M(2688x1520), H.265 and H.264 triple-stream encoding WDR(120dB), day/Night(ICR), 3DNR, AWB, AGC, BLC, Tripwire, intrusion, Object Abandoned/Missing ,Face Detection 3.6mm fixed lens (6mm optional) IR Range of 80 Mtrs, IP67, Micro SD Slot - 128GB, PoE.	8
23	Supply and Installation of HDD Storage – 20 TB NAS Usable. RAID will be Hardware RAID	1
24	LED monitors 55" with wall mounts Display Size 55 inches or above, Native Resolution 3840 x 2160 (UHD), Brightness Minimum 400 cd/m2 or above, Viewing Angle178 * 178, Input Ports HDMI-3, USB 2.0 – 1, RS232C-1,RJ45-1, Output Ports Digital audio speaker 10Wx2, Headphone out, built-in Wifi required, Power Supply 100-240V~, 50/60Hz, Power Supply UL-Safety test ,EMC Test, BIS,UL,FCC approval, OEM Warranty 3 Years.(Make- LG/Sony/ Samsung)	4
C	Firewall and anti Virus	
1	Supply and Installation Firewall (2) with antivirus for all the PCs and servers (800 + 4) Proposed Solution should EAL4+ & ICISA Certified, Proposed OEM product by NSS labs as per 2019 NSS lab reports, provide firewall, AV, and IPS functionality, ports 8 * 1G Gigabit Copper ports, 2 * 10G Gigabit SFP+ ports and 2 * 40G QSFP+ from day one, CPU architecture with a hardened 64-bit operating system, 200 GB of SSD or higher local storage for logging and reporting, RAM 12 GB, swappable redundant power supply, Firewall throughput 50gbps, NGFW throughput 10Gbps, IPS throughput 10Gbps. Threat Protection throughput 3gbps,Concurrent connections 12 Million, 12 Million, New connections/sec 1,50,000, OEM or Authorized distributor/Partner of OEM must have a registered office in India to provide sales and 24x7 support in India. The certificate to this effect must be submitted. The bidder must be either OEM or his authorized dealer/distributor. Licence should be for at least 3 years subscription Multi-Platform Management Windows, Mac, and Linux machines, for managing multiple products such as Advanced Endpoint Protection, Server Security, etc. Single Dashboard, Threat Protection heuristics, viruses, spyware, Trojans, root kits, and worms, Capability Cloud Dashboard to a local SIEM. Threat Hunting, Remote Access, Live System Lookup, Malicious Traffic Detection	2
D	ONLINE UPS And Generator Set	
1	Supply & Installation of Online UPS with required / necessary wiring and switches, circuit breakers and safety equipment(s) Nominal Rating 200kVa/kW (Module 40kVA x5 Nos.)Nominal Input Voltage (V) 380/400/415, Input voltage range without battery discharge (V) 229 – 478, Nominal input frequency(Hz) 50/60, Bypass voltage tolerance (%)Upper limit: +10%, +15%, or +20% default: +15%; Lower limit: -10%, -20%, -30% or -40% default: -20%, Type of Rectifier & Inverter IGBT, Battery Number 12V battery per string(Min-Max) 30-44, Temperature compensation (mV/°C/cl) -3.0 (selectable from 0 to -5.0 around 25°C or	2

	30°C, or inhibit) Battery Charger max. (A) 49, Nominal output voltage (V) 380/400/415, Nominal output frequency (Hz) 50, Weight(Net weight in kg) 430, Dimension (W x D x H) in mm1200 x 1000 x 1700, General and safety requirements for UPS IEC62040-1,EMC IEC62040-2, performance and test IEC62040-3complete installation with battery stand ,warranty should be 3 years (Make -	
2	Supply and Installation of Generator Set Auto start Generator ,Genset Rating KVA: 320 KVA, Frequency: 50Hz, Fuel type: Diesel Speed: 1500RPM, Cooling System: Water Cooling, Output Type: AC Three Phase, Voltage : 380 to 440 Noise Level: Silent or Soundproof, Fuel Tank Capacity: 3-4 liter per hour Including installation and base fitting, generator with Automatic Changing switch, electrical wiring and Panel. Warranty – 3 Years(Make Kirloskar/CAT/Cummins/Greaves Cotton or better)	2
E	Split Air Conditioner	
1	Supply and Installation 2 Ton Dual Inverter 3/5 Star Split Air Conditioner with Anti Allergic Filter & 4-in-1 Convertible Cooling, Dual Inverter, ocean black fin, 4-in-1 Convertible Cooling, 100% Copper With Ocean Black Protection, High Temperature cooling Score of 5 Cooling (watts)6,300Compressor,Dual Rotary/R-32, Power Supply (Volt/Phase/Hz.) 220-240/Single/50, Product Type Split AC,ISEER Value 3.96 Star Rating 3 Star Air circulation (In/Out)(CFM) 653/1093, Noise Level (Indoor)(dB) 34, Panel Display Magic Display, FILTER TYPE HD Dust Filter, Anti Allergic Filter,100% Copper ,Dual Inverter ,Ez Clean Filter,Cools@52°C.	136
F	Furniture	
1	Work station with partition alloy structure fitted with partition as laminated particle/ block board of 18mm, Frame type : stainless steel / CRCA powder coated square pipe of 50mm x 50mm metal or alloy/aluminum fabricated/molded, single cubical size:550 x 750 x1200 mm, table height 30” with 25mm thick ply board and mica (1mm), without storage, sliding fiber keyboard tray, seating capacity : 6 multiple seating of even numbers	134 (for 800 PCs)
2	Heavy duty Revolving Computer Chair Low Back Chair, Without Arm, Revolving, Type/mechanism, revolving, Low back chair without Arm revolving gaslight Nylon base, PU Modeled seat & back cushion, PP back Cover, fabrics Tapestry	830
G	Electrical Items	
1	Suppling and installation of power db for class room 8 way vtpn dbs 160 amp mccb as incomer ip 43 protection and double qty as per actual (Make- Schneider / Haggger / Legrand or higher)	12
2	160 amp fp microprocesor based mccb 36ka with earth fault protection (make legrand,schneider, hagger or higher)	12
3	Supply, Installation testing and commissioning of 6 to 32 amp sp mcb c curve 10ka qty as per actual (Make- Schneider / Haggger / Legrand or higher)	600
3.1	40 amp sp mcb	40
3.2	63 amp sp mcb	40
4	Supply, Installation testing and commissioning of 32 amp spn for ACs (Make- Schneider / Haggger / Legrand or higher)	32
5	Supplying, laying, testing and commissioning of XLPE insulated and PVC sheathed heavy duty power cable confirming to IS 7098/Part-I/88 with latest amendments, 1100 volts grade armored cable of approved make with aluminum solid / stranded conductor. The cable shall be laid in air/in existing pipe/in existing cable trench/on existing cable tray with clamp as required as per specifications including providing of metal/PVC cable identification tags at both ends and every 10 Mtr. length of cable with inscriptions there on. qty as per actual (Make- Schneider / Haggger / Legrand or higher)	1
	Armored cable 3.5 core 70 Sq.mm (300 m or as per actual)	
	Armored cable 4 core 10 Sq.mm (100 m or as per actual)	
7	Supplying, laying, connecting and testing of PVC/XLPE heavy duty control cable confirming to relevant IS specifications 1100 volts grade armored of approved make with copper conductor in existing trench with clamp as required. The rate include for making cable end termination with suitable size brass cable gland and copper lugs etc. complete as required. qty as per actual (Make- Schneider / Haggger / Legrand or higher)	
7.1	2 core x 2.5 sqmm. copper cable. (200 m or as per actual)	
7.2	4 core x 2.5 sqmm. copper cable. (200 m or as per actual)	
7.3	8 core x 2.5 sqmm. copper cable.(600 m or as per actual)	

7.4	12 core x 2.5 sqmm. copper cable. (600 m or as per actual)	
8	Supply,Installation, Testing & Commissioning of AMF CUM ELECTRICAL MAIN CONTROL PANEL Indoor type, weather, dust and vermin proof, seven tank treatment process, 100micron powder coating, suitable for 415 volt 3 phase 4 wire 50 Hz. system, fabricated out of CRCA 2.0mm thick sheet (1.6mm for doors and partition and 3mm for gland plate) with base frame of angle/channel iron, necessary support of slot angle/plates/MS plates, conduits as required duly compartmentalized for incomer, bus section, outgoing, cable alleys, energy meter etc. suitable cutout for ammeter, voltmeter, selector switch, frequency meter, phase indicating lamp, energy meter, push button etc. complete as required. The rate include for supply and fixing switchgear, busbar, metering and protection accessories DMC/SMC supports, earthing terminals, detachable gland plate with knock out, door knob/industrial door lock, internal control and power wiring with required size of copper cable, lugs, complete with nut, bolt, washer, providing name plates of all chambers etc. as per approved design, pattern and specifications consisting with following materials/ accessories - (The ACB will be Icu=Ics=Icw & MCCB will be Ics=100%Icu). 2 NOS. - 630A 4P changeover switch-disconnector to by-pass the 800A incomer main qty as per actual (Make- Schneider / haggger / Legrand or higher)	1
9	1. Incomer (main 1) 1 NO. - 800A 4P EDO type 50 KA ACB with microprocessor based adjustable overload current ,adjustable overload time delay, adjustable short circuit current, adjustable short circuit time delay, adjustable instantaneous current, adjustable earth fault current and adjustable earth fault time delay with over voltage, under voltage & shunt trip protection, current, display, over temperature indication and protection. 3 NOS. - LED indicating lamp for R,Y,B . 3 NOS.- Control MCB 2A SP. 6 NOS. - 800/5A CL-1.0, 15VA cast resin CT. 1 NO. - Multifunction meter (L&T model no.QUASAR or equivalent of schneider) 1 NO. - reverse power protection relay. 1 NO. - 100A 3P 35 KA MCCB with spreader and extended ROM. 1 NO. -20 kvar MPP type gas filled heavy duty capacitor. 1 NO. - alarm & audio visual 8 port annunciate. qty as per actual (Make- Schneider / haggger / Legrand or higher)	
	and incomer main ACB 2 is ON , then incomer dg MCCB 1 will be ON .Outgoing section (1) . 02 NOS. - 630A 4P 35 KA MCCB with microprocessor based adjustable overload current , adjustable short circuit current,inbuilt instantaneous protection, inbuilt current measurement and display, complete with spreader and extended ROM . 6 NOS. - 630/5A CL-1.0, 15VA cast resin CT. 2 NO. - multifunction meter (L&T model no.QUASAR or equivalent of Schneider). 02 NOS. - 400A 4P 35 KA MCCB with microprocessor based adjustable overload current , adjustable short circuit current, inbuilt instantaneous protection, inbuilt current measurement and display, complete with spreader and extended ROM. 6NOS. - 400/5A CL-1.0, 15VA cast resin CT. 3 NO. - multifunction meter (L&T model no. QUASAR or equivalent of Schneider). 02 NOS. - 160A 4P 35 KA MCCB with microprocessor based adjustable overload current, adjustable short circuit current,inbuilt instantaneous protection, inbuilt current measurement and display, complete with spreader and extended ROM. 6 NOS. - 160/5A CL-1.0, 15VA cast resin CT. 1 NO. - multifunction meter (L&T model no.QUASAR or equivalent of Schneider). 04 NO. - 63A 4P 10 KA MCB, Outgoing section 02 NOS. - 630A 4P 35 KA MCCB with microprocessor based adjustable overload current, adjustable short circuit current,inbuilt instantaneous protection, inbuilt current measurement and display, complete with spreader and extended ROM. 6 Nos. - 630/5A CL-1.0, 15VA cast resin CT. 2 NO. - multifunction meter (L&T model no.QUASAR or equivalent of qty as per actual (Make- Schneider / haggger / Legrand or higher)	
10	supply and installation of modular switch and socket with gang box as per ISI standard as per company (Make- Schneider / Haggger / Legrand or higher) (2000 m or as per actual)	
11	Supply and installation of 25 mm PVC conduit pipe as per ISI standard company with all necessary installation item PVC Clip,Band, screw and etc. (10000 m or as per actual)	
13	Supply and installation of PVC Industrial Casing 35*50 (ISI Mark) (1800 m or as per actual)	

SCHEDULE OF WORKS for electrical work	
1	MAIN PANEL

	Supplying, installation, testing & commissioning of cubical type floor mounted L T panel having minimum depth of 1.00 Mtr. and suitable front face area suitable for 415V, 3 Phase, 4Wire 50 Hz AC supply system fabricated in compartmentalized design from CRCA sheet steel of 2mm thick for frame work and covers, 3mm thick for gland plates i/c cleaning & surface treatment with 7 tank process before powder coating in approved shade, having extensible type TPN Aluminium Alloy bus bars with suitable rating Neutral of high conductivity, DMC/ SMC bus bar supports, with short circuit withstand capacity of 35 MV A for I Sec., bottom base channel of MS section not less than 100mm x 50mm x 5mm thick, fabrication shall be done in transportable sections, control wiring with 1.5 sq.mm. PVC insulated copper conductor Single Core cable, cable alleys, cable gland plates in two half, i/c providing following switch gears.
A	BUS BAR SECTION-I
	TRANSFORMER INCOMER
	a) 1000A, Four pole, 50 KA, Electrical Draw Out type ACB with microprocessor based adjustable overcurrent and earthfault release (LSIG) - 1 Nos
	b) 1 No. Digital flush type class- I accuracy multifunction meter showing V, A, KVA, KWH etc.
	c) 3 Nos. tape wound CTs of 1000/5 Amp, class 1.0 accuracy and 15 VA burden
	d) 1 Set of Phase indication LED lamps with protection SP,6 A,MCB
	e) 1 Set of ON/OFF/TRIP LED lamps.
	f) 1 No. TNC switch for ACB.
B	AMF LOGIC
	Logic : The A.M.F. logic shall start the set automatically only in the event of : 1. Mains failure. 2. Phase failure. 3. Voltage drop to 85 % of 415 volts (not fault tripping) & Stop in the event of : 1.Mains ON. 2. Fault conditions. 3. Over Loading etc. The set shall be capable of starting and taking up the load within the time 10 – 20 secs. and shall be run for 5 minutes after change over or closing. The AMF panel consisting of following equipment / materials / accessories suitable for 320 KVA D.G Set.
C	DG-1 INCOMER
	a) 1000A, Four pole, 50 KA, Electrical Draw Out type ACB with microprocessor based adjustable overcurrent and earthfault release (LSIG) - 1 Nos
	b) 1 No. Digital flush type class- I accuracy multifunction meter showing V, A, KVA, KWH etc. - 1 No
	c) 3 Nos. tape wound CTs of 1000/5 Amp, class 1.0 accuracy and 15 VA burden
	d) 1 Set of Phase indication LED lamps with protection SP,6 A,MCB
	e) 1 Set of ON/OFF/TRIP LED lamps.
	f) 1 No. TNC switch for ACB.
D	Outgoing:-
	250A, 4P 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection - 1 No.
	160A, 4P 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection - 6 Nos.
E	Bus coupler:
	1000A, Four pole, 50 KA, Electrical Draw Out type ACB with micro processor based adjustable over-current and earth fault release (LSIG) - 1 Nos
	Interlocking to be considered as required.
	f) 1 No. TNC switch for ACB.
	1000 A TPN busbar chamber with Aluminium busbar.
F	BUS BAR SECTION-II
	DG-1 INCOMER
	a) 1000A, Four pole, 50 KA, Electrical Draw Out type ACB with microprocessor based adjustable overcurrent and earthfault release (LSIG) - 1 Nos

	b) 1 No. Digital flush type class- I accuracy multifunction meter showing V, A, KVA, KWH etc. - 1 No
	c) 3 Nos. tape wound CTs of 1000/5 Amp, class 1.0 accuracy and 15 VA burden
	d) 1 Set of Phase indication LED lamps with protection SP,6 A,MCB
	e) 1 Set of ON/OFF/TRIP LED lamps.
	f) 1 No. TNC switch for ACB.
G	Outgoing:-
	250A, 4P 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection - 1 No.
	160A, 4P 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection - 6 Nos.
	Panel as above

LIST OF APPROVED MAKES FOR EQUIPMENT & MATERIALS				
S.no	Details of Materials / Equipments	Manufacturer's Name / Make		
1.	LT Panel	Schneider Electric / Siemens / Legrand		
2	Moulded Case Circuit Breaker (MCCB) / ACBs/MCB/RCCB/DBS Thermal Release (Ics=Icu=100%)	Schneider Electric / Siemens / Legrand		
3	Contactors/Relay /Timer	Schneider Electric / Siemens / Legrand		
4	Potential Transformers / Current Transformer	Automatic Electric / Matrix / Precise / Kappa / Amantec		
5	LED type indicating lamps / Push Button	Schneider Electric / Siemens / Vaishno		
6	Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv / Legrand / AE		

SIGNATURE OF THE BIDDER WITH NAME & SEAL)

PQ Criteria-

S. No.	Parameter	Eligibility criteria	Applicable Documents to be submitted
1	Legal Entity	Company incorporated in India under the Companies Act, 1956 and subsequent amendments thereto 1.Registered with relevant Tax Authorities 2.Should have PAN Number 3.Should have GST Number 4.Should have been operating in India for the last five (5) Financial Years i.e. since 1st April 2014 till the date of submission of bid against this RFP.	- Copy of Certificate of Incorporation - PAN Card Copy -GST Registration Copy
2	Average Annual Turnover	Bidder should have a average annual turnover of at least INR 50 Crores for last three financial years ending 31st March of previous financial year i.e. 2019-2020	Certificate from the Chartered Accountant along with the copies of audited Balance sheet for last three years.
3	Positive Net worth*	Bidder should have positive net worth for last five financial years	Certificate from the Chartered Accountant / Company Secretary The said certificate also needs to be counter signed by authorized signatory of bidder
4	Organization Profile	Bidder should have been in the IT Business for the last five (5) Financial Years i.e. since 1st April 2015 till the date of submission of bid against this tender.	Relevant work orders, Client certificates etc issued in the name of Lead bidder
5	Experience	Supplied, as contractor/consortium partner, within the last Four (4) financial years ending last day till Bid Submission - 900 nos. or above Desktops/Computer/AIO in Single Purchase Order of any Central/State Government Organization/PSU/Public Listed Company 2. Supplied, as contractor/consortium partner, within the last Four (4) financial years ending last day till Bid Submission - 1000 nos. or above UPS in Single Purchase Order of any Central/State Government Organization/PSU/Public Listed Company. 3. Supplied, as contractor, within the last Four (4) financial years ending last day till Bid Submission -300 no. or above Cameras in Single Purchase Order of any Central/State Government Organization/PSU/Public Listed Company 4. Supplied Firewall having value at least Rs. 50 Lakhs in Single Purchase Order of any Central/State Government Organization/PSU/Public Listed Company within the last Four (4) financial years	Copy of work order for work started or completed in last four (4) Financial Years

		<p>ending last day till Bid Submission</p> <p>5. Supplied Networking Components having value at least Rs. 2 Crore in Single Purchase Order of any Central/State Government Organization/PSU/Public Listed Company within the last Four (4) financial years ending last day till Bid Submission</p> <p>Supplied Servers having value at least Rs. 1 Crore in Single Purchase Order of any Central/State Government Organization/PSU/Public Listed Company within the last Four (4) financial years ending last day till Bid Submission</p>	
6	Bidder Authorization	The Bidder must have authorization from the OEM to participate in the bid and shall provide the services only from that OEM under this bid	MAF issued by the OEM.
7	ISO Certificates	<p>Bidder should have following ISO Certificates-</p> <p>1. 9001 Certificate</p> <p>2. 20000 Certificate</p> <p>3. 27001 Certificate</p>	Copy of the valid ISO Certificates
8	Company Standing/Blacklisting	Bidder should not have been blacklisted by Govt. of India/ Central PSU/ GoMP /entities as on bid submission date.	Self-certificate on company's letter head duly signed by authorized signatory.
9	Availability of Office of the Bidder	An office of the Bidder must be located in the state of Consignee	Undertaking from Bidder regarding having the office in the state of Consignee
10	Bidder & OEM Verification	Bidders and OEMs declaration against the Rule 144 (xi) in GFRs 2017 published on 23.07.2020	Undertaking from Bidder & OEMS on their respective letterheads

Note :- The payment will be process only after 30 days of the successful installation and working of the total project.

SIGNATURE OF THE BIDDER WITH NAME & SEAL)