RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES
BASAR,
Nirmal District, Telangana- 504107
Website: www.rgukt.ac.in

Contact: 9492301704

e-mail: procurement@rgukt.ac.in

Tender for Centralized Computing Infrastructure Center

Time Schedule:

Bid calling date	17.10.2019
Bid Document fee (Non refundable)	Rs. 10,000/- (By way of DD from any Scheduled Bank in favour of Director, RGUKT, Basar, payable at Basar)
Bid Documents Downloading Start date	23.10.2019 10am
Pre-Bid Meeting	22.10.2019 11am
Bid Document Downloading End Date	06.11.2019 4 pm
Last date for uploading of online documents	06.11.2019 5 pm
Last date for submission of Hard copies of documents uploaded online	07.11.2019 5 pm
Pre-qualification & Technical Bid opening date/time	08.11.2019 11 am
Price Bid	09.11.2019 11 am
Contact person	Director, RGUKT, Basar
Reference No	**RGUKT-B/Proc/T09/CCIC/2019,**

<u>Proprietary & Confidential</u>

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Contents

News paper advertisement

E-Procurement Tender Notice

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RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES
BASAR ,
Nirmal District, Telangana-504107

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Separate online tenders are hereby invited from interested and eligible bidders for supply and installation of "**Centralized Computing Infrastructure Center"**

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Interested bidders can download and submit the bids online from 23.10.2019 to 06.11.2019 up to 05:00PM through www.tender.telangana.gov.in. For further details please visit our website: www.rgukt.ac.in

Date.17.10.2019   **Sd/-**
Vice-Chancellor

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Section A

Tender Call notice
Tender for Centralized Computing Infrastructure Center

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CLARIFICATIONS:

i.   Queries if any can be made through e-mail only on procurement@rgukt.ac.in on or before **24.10.2019.** Queries received via any mode other then e-mail id mentioned above will not be entertained. The queries should only be sent in following format on the official letter head of the company.

S.No.	Page No. (Tender Ref.)	Clause (Tender Ref.)	Description (Tender Ref.)	Query

ii. The addendum/corrigendum if any shall be published on RGUKT's website i.e. www.rgukt.ac.in as well as on e-procurement platform www.tender.telangana.gov.in.

iii. The Bidders are requested to submit the bids after issue of clarifications duly considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/ amendments issued if any during pre bid meeting in their bid.

A.1. Delivery and Installation period

a) Bidder shall deliver, install and commission the goods/services within **15 weeks** from the date of receipt of Purchase Order. The delivery location is "**RGUKT, Basar, Nirmal District, Telangana-504107".**

A.2. Warranty

> ➤ During warranty period the bidders should conduct preventive maintenance once in every quarter besides attending the regular calls. During the warranty period the bidder has to provide one on-site engineer at the campus during the working hours for six days a week to attend any complaint.

Section B

B.1 Pre-Qualification criteria:

1. The bidder should be a manufacturer/authorized representative of a manufacture/whole sale dealer and should be in business of manufacture and or supply and maintenance of the offered items for a minimum period of two years in combined AP/Telangana as on bid calling date.

2. The bidder should have a minimum cumulative turnover of Rs. 15 Cr for the years

   2016-17, 2017-18 & 2018-19 as follows:

Schedule	Item name	Financial year	Total Sales (No's)
Schedule-I		2016-17	
		2017-18	15 Cr
		2018-19	

4. The bidder or the Bidder's group company or the manufacturer should not have been blacklisted by any State Government / Central Government / PSU for any reason in the last three financial years as on bid calling date. A letter of undertaking on the letter heads of the Bidder/ Manufacturer should be submitted separately stating that they have not been blacklisted by any State Government / Central Government / PSU for any reason in the last three years and should be signed by an Officer competent and having the power of attorney (with Company stamp) to bind the bidding Firm / Manufacturer(s). The letter of undertaking should be submitted in Pre-qualification Bid.

Statement of important limits/values related to bid

S.No	Item	Description
1	EMD	**Rs. 2,00,000/-** (in the form of DD/BG from any Scheduled Bank drawn in favour of Director, RGUKT,
		Basar)
2	Bid Validity Period	90 days from the date of opening of bid
3	EMD Validity Period	90 days beyond bid validity period
4	Maintenance Period	3 years warranty
5	Variation in quantities	± 30%
6	Period for furnishing Performance security	Within 7 days from date of receipt of notification of award
7	Performance security value for schedule	5% of contract value for Schedule-I in favor of "The Director, Rajiv Gandhi University of Knowledge Technologies, Basar, Telangana", from any Scheduled/Nationalized bank only.
8	Performance security validity period	60 days beyond warranty period for Schedule-I
9	Period for signing contract	Within 7 days from date of receipt of notification of award.
10	Warranty period	36 months from the date of successful installation of all goods of schedule-I
11	Up time %	97% calculated over 3 calendar months period. For the purpose of up time calculation, day will be counted of 12 hours duration -8:00 AM to 8:00 PM on all days.
12	Payment terms	Cumulative payment
13	On acceptance & successful installation	60% against delivery and balance 30% of contract value after successful installation and balance against satisfactory report from the concerned department.
14	After performance evaluation	Balance 10% of the contract value
15	LD for late deliveries	1% of the late delivered or deemed late delivered goods for one week or part there of 2% for 2 weeks or part there of 4% for3 weeks or part thereof and so on maximum of 10%. If delay continues beyond the limit, contract is liable for cancellation.
16	Maximum LD for late deliveries	10% of value of late delivered of deemed late delivered goods
17	Penalty for failure to maintain during warranty or AMC	For every 1% reduction in up time from 97%, penalty will be 0.3% of equipment cost, which is down or deemed down as the case may be.
19	Conditional bids	Not acceptable and liable for rejection.
20	Placing work order	➢ RGUKT will place order on identified successful bidder.
		➢ All the payments shall be made directly by RGUKT to the successful bidder as per the terms and conditions of RFP.
		➢ Payment for site engineer shall be borne by the bidder.

		➤ If decided RGUKT can split the order basing on the quoted price and service track record. The decision of RGUKT is final in this regard.
21	**EligibilityCriteria**	**As per SectionB**
22	TransactionFee	**Transaction fee:** All the participating bidders who submit the bids have to pay an amount@0.04% of their final bid value online with a cap of Rs.10,000/- for quoted value of purchase up to Rs.50 crores and Rs.25000/- if the purchase value is above Rs.50 crores &service tax applicable @ 15.00% as levied by Govt. of India on transaction fee through online in favour of MD, APTS.The amount payable to APTS is non refundable.
23	TransactionFee	The Managing Director, T.S.Technology Services Ltd.,
	Payableto	Hyderabad
24	Bid submission	**OnLine.**
		Bidders are requested to submit the bids after issue of minutes of the pre bid meeting duly considering the changes made if any, during the pre bid meeting. Bidders are totally responsible for incorporating/complying the changes/amendments issued if any during pre bid meeting in their bid.
25	Procedure for Bid	Bids shall be submitted online onwww.tender.telangana.gov.in platform
	Submission	
		1. The participating bidders in the tender should register themselves free of cost on e-procurement plat form in the website www.tender.telangana.gov.in
		2. Bidders can log-into e-procurement platform in Secure mode only by signing with the Digital certificates.
		3. The bidders who are desirous of participating in e-procurement shall submit their technical bids, price bids as per the standard formats available at the e-market place.
		4. The bidders should scan and upload the respective documents in Pre Qualification and Technical bid documentation as detailed at Section E&G of the RFP including EMD. The bidders shall sign on all the statements, documents certificates uploaded by them, owning responsibility for their correctness/authenticity.
		5. The rates should be quoted in online only
26	Other conditions	
		1. **After uploading the documents, the copies of the uploaded technical bid documents, along with original Demand Drafts in respect of Bid Security and Bid document fee and Hard copy of BID to be submitted by the bidder to the "The Director, RGUKT, Basar, Nirmal District, Telangana-504107", by 05:00 PM on 07.11.2019**

		Failure to furnish any of the uploaded documents, certificates, will entitled in rejection of the bid. The RGUKT shall not hold any risk on account of postal delay. Similarly, if any of the certificates, documents, etc.,furnished by the Bidder are found to be false/fabricated/bogus, the bidder will be disqualified, blacklisted, action will be initiated as deemed fit and the Bid Security will be forfeited.
		2. RGUKT will not hold any risk and responsibility regulating non-visibility of the scanned and uploaded documents.
		3. The Documents that are uploaded online on e-procurement will only be considered for Bid Evaluation.
		4. Important Notice to Contractors, Suppliers and Department users (i) In the endeavor to bring total automation of processes in e-Procurement, the Govt. has issued orders vide G.O.Ms.No.13dated.5.7.2006permittingintegrationof electronic Payment Gateway of ICICI/HDFC/Axis Banks with e-Procurement platform, which provides a facility to participating suppliers /contractors to electronically pay the transaction fee online using their credit cards.

SCOPE OF WORK

General Information:

The work to be performed under this contract consists of execution of "Establishment of new Data centre for the proposed setup in Ground floor of Admin Block, RGUKT, Basar campus on turnkey basis" and all incidental items not shown or specified but reasonably implied or necessary for the proper completion of work (except items specified to be furnished by the Engineer-in-charge) all in strict accordance with the drawings, schedules and specifications, including revisions and amendments thereto and such detailed drawings as may be approved by the Engineer-in-charge during the execution of contract.

SCOPE:

The scope of the work covered by this technical specification is for the works of the "Establishment of new Data centre for the proposed setup in room of Admin Block, RGUKT, Basar campus on turnkey basis"

The works involved are listed below and all other related works required for the completion of the work as per specifications.

1. **Electrical Works- UPS & Power Distribution**
2. **PAC & Related works**
3. **AC & Related works**
4. **Fire Alarm and Fire Suppression System (For server room only)**
5. **Access Control System.**
6. **CCTV System.**
7. **Rodent Repellent System**
8. **Hyper-converged systems (Servers) and Software's**
9. **Civil Works**
10. **Displays**

Section –D
D Technical specification :
Schedule –I
CONFIGURATION –I

**Proposed Data Center Layout**

The suggested layout of the datacenter is given in the following diagram. The given layout is only a representative diagram of the required functional components of the datacenter. The final layout shall be submitted.

The layout shall house data center for 8 racks (6 Server + 2 Network), UPS & battery room and SNOC Room with sitting provision for 4 People
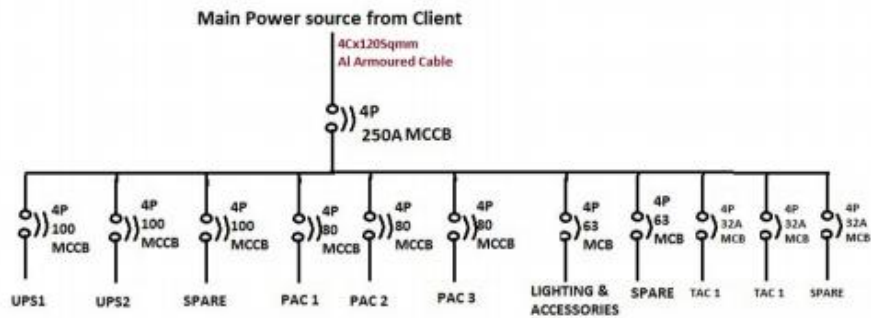
PROPOSED DATA CENTER LAYOUT IN RGUKT-BASARA
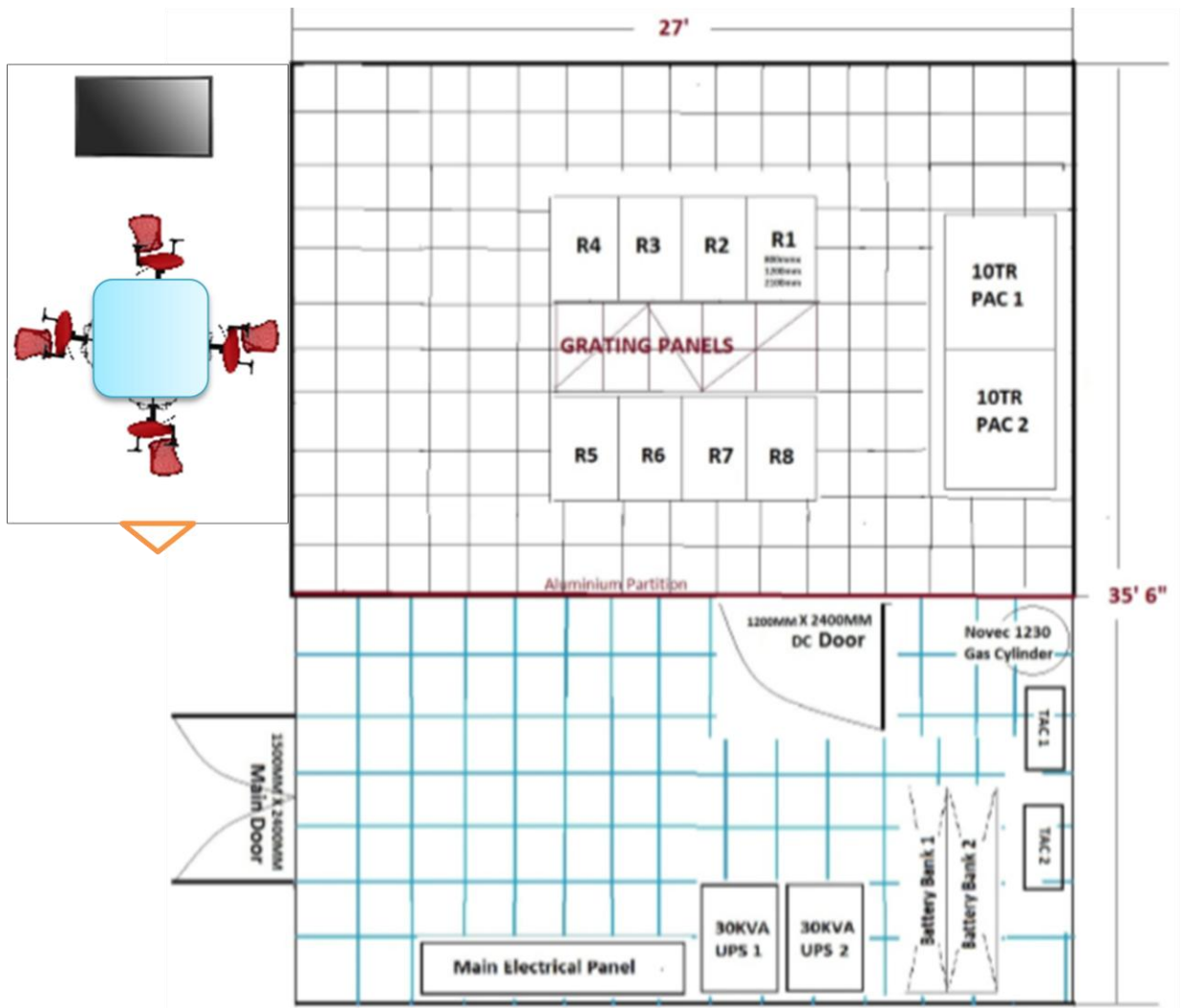
PROPOSED SLD FOR 2X30KVA UPS POWER DISTRIBUTION
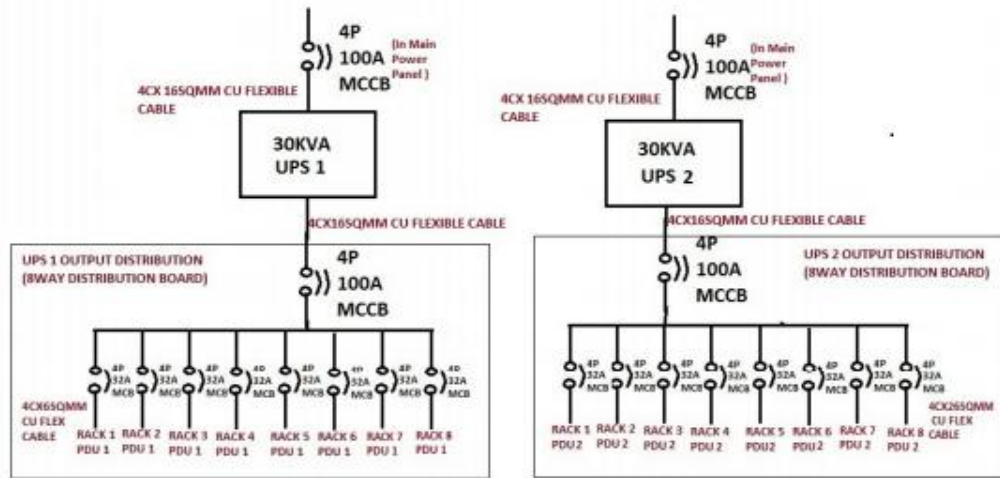
PROPOSED MAIN POWER PANEL SLD

ELECTRICAL SPECIFICATIONS

Switchgears:

Product Category : As per site requirement

(Single Pole/Double Pole/ Three Pole/Four Pole), MCB's/MCCB's

Current Rating : As Per Site Requirement

Rated Short Circuit Breaking Capacity: Min 25kA

Insulation Voltage : 800V

Releases Type : Thermal- Magnetic

Ambient Temperature : 40°C

Material : Halogens –free plastic materials

Suitable for : Suitable for all environments (Tropicaliztion, pollution, salt corrosion etc)

Approved Makes of Switchgear : Legrand/Havels/L&T/ABB/Schneider

Cables:

Product category : As per site Requirement [1.1 KV , COPPER CONDUCTOR, PVC INSULATED ARMOURED/UNARMOURED PVC SHEATHED CABLES CONFORMING TO IS:1554 (PART I)]

Approved Makes of Cables : Polycab/Finolex/KEI/Havells/Fine Cab

Chemical Earthing:

Product Material : Galvanized Iron (GI), Copper

Length of Electrode : ≥ 4ft

Diameter : 25mm to 80mm

Size of conductor : (25x3)mm/ (25x6)mm

Type of Earthing : Sealed maintenance free chemical filled earthing electrode

Earth Strip Material and Size : Galvanized Iron (GI) & 25x3mm thickness

Approved Makes of Earthing Electrode : Ashlok/Earthplus/Asian

UPS SYSTEM

General requirement and design criteria

UPS system will be provided for power requirement of the IT Server and Network rack.

It should be microprocessor based & SNMP compatible.
The UPS should confirm to the following Specifications:

UPS Specifications:

Input:

Line voltage	-	415 Volts AC, 3φ phase
Voltage variation	-	Greater than ± 15 %
Frequency range	-	50 Hz ± 8%
Power factor	-	0.8 at rated load

Bypass:

Rated voltage	-	415 Volts AC, 3φ phase
Permitted voltage range	-	± 15 %
Rated frequency	-	50 Hz

Batteries:

Type	-	Sealed maintenance free (SMF) batteries
Make	-	Rocket/Quanta / Exide
Battery voltage & AH capacity	-	12 V, 100AH
Back-up time	-	30 minutes at full load

Output:

Rated power		30 kVA
No. of phases	-	Three phase with neutral
Rated voltage	-	415 VAC
Voltage regulation range	-	361 - 435 V
Frequency	-	50 Hz
Power factor	-	> 0.8
Over load	-	110 %, 125 %, 150 % of the rated current for

60min/ 10 min / 1min

Efficiency   -   ≥ 90 %

PRECISION COOLING SYSTEM

The RGUKT, Basara is proposed to have High Performance Precision type DX air-cooled units, which is of Floor discharge type. The Air-conditioning system will be designed based on the following Parameters:

Outdoor design conditions : Basara, Nirmal District, Telengana

         Summer   :   41 °C DB, 25.6 °C WB

         Monsoon   :   32.2°C DB, 30 °C WB

         Winter   :   11.1 °C DB, 6.7 °C WB

Inside design conditions (Return Air Conditions): Air-conditioning system shall be designed for 24 hours operation with following inside design condition.

         DB Temperature   :   24 °C +/- 1 °C

         Relative Humidity   :   50% +/- 5%

         Dust Content   :   10 Microns

Other Basis of Design along with Equipment Schedule will be as under:

Sl. N	Equipment Heat Load	People	Lighting (Watt)	Equipment Proposed (Actual Net Sensible Capacity)
A.	30KW	500W	1.5W/sft	10TR * 2 (1W+1S)

The capacity of Equipment, specified above, is actual cooling capacity at operating condition during peak Summer. Bidder is requested to check and confirm the Capacity, before submission of the quotation. Bidder is requested to select the air-cooled condenser for 41 °C ambient condition to avoid any derating factor during peak Summer condition.

Bidder to note the following, while calculation of Refrigeration heat load:

True floor will be insulated with min. 9 mm thick insulation rubber. Bidder has to check the quality of insulation available at existing site.

Power supply

Power will be made available at 415 V 3 ph / 230 V single ph, 4 wire, 50 HZ earthed neutral system and all equipment shall be suitable for the above power supply with variation of + / -10 %(or)stable Input supply without fluctuations .

All equipment shall operate at this voltage and any equipment operating at other than this Power supply shall be provided by client.

Power will be provided at a point near indoor unit. Cable from the point to the Indoor unit itself will have to be cabled by the PAC contractor.

Precision Air Conditioners Unit Construction specifications:

A.   Compressor

The compressor shall be hermetically sealed **scroll type** medium speed, designed for R-407C /R410 /Equivalent only.
The compressor shall have proper lubrication system. Safety devices viz. high-pressure switch, low-pressure switch, low oil pressure (if applicable) shall be provided and such devices shall be electronically operated. Manual reset on safety cut out shall be provided. The horsepower for the compressor motor shall be adequately sized or 110% of the rated power required for the unit including drive loss. Capacity control shall be devised by providing at least two compressors working in Tandem for high part load efficiency.

B.   Condenser

The Condenser shall be of Air Cooled type and shall be constructed of copper tube with aluminum fins. Tubes shall be designed for a minimum working pressure of 32 kg/ sq.cm. The condenser shall be complete with fans with drive motors and shall be provided with charging connection, safety relief valve and standard accessories, all encased in a powder coated GI casing with built-in electrical items and supporting frame. The condenser shall have the matching capacity with the compressor. There shall be a provision of isolating switch for the fans. The condenser fan shall be propeller type driven directly by brushless direct current (BLDC) EC motor with multiple speed facility. One condenser shall be coupled to one compressor for high efficiency performance. This type of condenser is most suited for installation on terrace. Speed shall vary as per set pressure.

C.   Evaporator Cooling Coil

The cooling coil shall be flat type direct expansion type with multi-row deoxidised copper tubes with aluminium fins, complete with a hydrophilic treatment to reduce the surface tension between the water and the metal surface, thus favouring film-wise condensation. Air velocity across the coil shall be limited to 2.5 m/sec. The coils shall be pressure tested and thoroughly dehydrated before assembling.

The coil shall be placed to make the system draw through type. Refrigerant feed control shall be by electronic expansion valve. Temperature control shall be through microprocessor based control panel. Insulated condensate drain pan of SS construction shall be provided within the unit. Liquid receiver with safety plug installed inside the unit

The unit shall be factory assembled, wired, with inter connecting refrigerant piping and built-in microprocessor based control console and tested as per the relevant code.

The cooling coil shall be to produce the capacity required under specified coil condition and air quantity.

D.   Evaporator Fan

The fan shall be heavy backward curve blade, directly driven with EC motor designed for high efficiency and quiet operation. Fan with steel impeller for backward curve bladed fan, mounted on steel shaft. The bearings shall be ball bearing type mounted on vibration absorbing rubber mounts. The fan motor shall be mounted within the cabinet. Motor horsepower shall be sized for 120% of the rated power required including the drive loss.

The supply fan shall be sized to deliver the required air quantity against the total external static pressure required for the system application, after taking care of all internal static pressure requirements of the units.

E.   High Efficiency Filter

A set of High efficiency filters will be located inside the PAC unit cabinet.

The filters shall be high efficiency of 99% down to 5 microns. The filters shall be of cleanable type construction of reinforced glass fiber or cotton fabric or fabric-like material sand witched in between two galvanized wire netting arrangement in an uniformly corrugated form to increase the surface area.

The filters shall have G.I. frames of adequate thickness suitable for long use in an industrial plant. The filters may be in panels of adequate size for easy handling them. . Low airflow and clogged filter alarm sensors consisting of two pressure switches for controlling the operating conditions of the fans and the build-up of dirt on the air filters inside the unit

The filter panels shall be mounted on the ladder type angle iron holding frames. The frames shall be designed strong enough to take the load of double the pressure drop in dirty condition of the filters. Face velocity of air across the filters shall not exceed 1.5 m/sec.

A.   UNIT MICROPROCESSOR CONTROLS:

The microprocessor controller manages the unit operations autonomously. In direct expansion unit the algorithms permits integral management of the Electronic expansion valve (EEV) with consequent optimization of energy saving, constant air flow during dehumidification and absolute operating stability. Units have been designed and developed to interact with all the most widely used Building Management Systems, exchanging data via the most common communication protocols through serial connections.

The Uniguard UG40 user terminal is fitted with a backlit 11x15 pixel LCD display and 6 backlit keys to move between and change parameters. It can be situated on board the machine or, on request, with a kit for wall mounting for the remote control of the unit. By means of the user terminal, you can set the air-conditioners operating parameters, monitor the trend of the main working parameters and read any alarm messages.
        The controls have separate indications for
        a. Various modes of operation (cooling, heating)
        b. Alarm conditions (temperature high, wet floor and loss of air flow)

      c. Date, time and unit identification display

      d. Visual system alarm indication (along with mutable audio alarm as well)

      e. Programmable services interval indication display

      f. inbuilt sequencing of machines.

The system is a menu driven interface with supporting help screens and shall use multi-protocol data communications. Access to the controller settings shall be protected with passwords to prevent against unauthorized access.

The unit is capable of communicating through an RS-232 communication support to link up to 99 units for monitoring and control purposes. The controller should also incorporate 2 additional spare alarm inputs for customer interface (e.g. Unauthorized entry alarm, building fire alarm etc) manual override switches & selectable alarms. Local & remote alarms will be triggered in case of any alarm conditions being reached

The microprocessor control system can be supplied with the following optional cards:

- RS485 serial adapter for data transfer to a central supervisor system with STD protocol or MODBUS protocol;
- Clock card for managing scheduling operations and for the operations counter functions
- WATER LEAK DETECTOR comprising a control module installed on the electric switchboard and an external sensor.
    Unit should start automatically functioning when power is restored after power failure.
Fault and Alarm display for Single Phase / Phase reversal / HP – LP / TEMP sensor / Condenser fan MCB / Indoor fan overload

NOVEC 1230 GAS BASED FIRE ALARM AND FIRE SUPPRESSION SYSTEM

NOVEC 1230 Gas Based Fire Suppression System with necessary Cylinder, Nozzles, Piping and fittings to cover the DC area.

The total area to be considered for Fire alarm and detections shall be:-

Fire detection and Alarm shall be integrated with Fire Suppression system to achieve efficient and reliable fire extinguishing in case of fire.

ACCESS CONTROL SYSTEM

The Access control system shall be used to serve the objective of allowing entry and exit to and from the premises / restricted areas within the facility to authorized personnel only.

The system shall be designed and implemented to provide following functionality:

    Controlled Entries to defined access points

    Controlled exits from defined access points

    Controlled entries and exits for visitors.

    System will be configurable with user defined access policy for each access point

Access control systems will provide restricted access to following areas using proximity card reader and finger scan biometric reader.

CCTV CONTROL SYSTEM

The bidder shall provide Digital Video Recorder Based System / integrate with the existing to cater to the Data Center which shall monitor all Entry / Exit of People to the Data Center Area.

RODENT REPELLENT SYSTEM

The bidder shall provide Ultrasonic based rodent repellent system in the design to reduce the menace of rats inside the Server Room.

Technical Compliance Sheet:

S No	Specifications	Yes / No	Remarks
1	**UPS**		
	Capacity: 30KVA x 2 Nos		
2	**SMF Batteries**		
	Capacity : 12V,100AH		
3	Battery Rack & Intercell Connectors.		
4	U8 Uninyvin Cable for Battery bank to UPS connectivity		
5	Installation & Commissioning of UPS		
6	**Main Electrical Panel:**		
7	4P 250Amp MCCB Main Incoming Panel for UPS,PAC & other equipment with 4P 100A MCCB- 3 No's for UPS, 4P 80A MCCB- 3No's for PAC & 4P 63A MCB - 2 No's 4P 32 A-04 Nos for other equipments.		
8	UPS Output 2 No's of 8-Way VTPN Distribution board with 4P 100 MCCB Incomer and output of 3P 32A- 16 No's (8 Nos Eachb DB)		
9	8way Distribution board with 63Aincomer and 32A- 4 No's & 16A-4No's for Lighting & Other Accessories		
10	4C x 16 Sqmm Cu flexible Cable for PAC Input		
11	4C x 16 Sqmm Cu flexible Cable for UPS input		
12	4CX 6Sqmm CU Flexible Cable for Server connectivity		
13	Emobile Sockets for Server Connectivity		
14	3CX 1.5Sqmm for lihting & rodent,Firealarm,Biometric		
15	6Way Distribution Board with 4P 32A MCB incomer with 3 Nos of 6A MCB's and 16A MCB's for Security Systems		
16	3Cx2.5Sqmm Cable for connecting security systems (i.e. Rodent Repellent,WLD,Biometric & CCTV Systems)		
17	2X2 LED Lighting Fixtures		
18	GI pregalvanized sheet perforated cable trays with cover		

	150x50x2mm		
19	4P 200A Bus Bar Box		
20	1Cx 16 Sqmm Cu Green Cable for Earthing Connectivity.		
21	4C x 6Sqmm Cu Flexible Cable for **TAC** Input.		
	Cooling PAC		
1	**Supply of PAC Machines**		
	Capacity: 10 TR x 2 No's		
2	Supply & Installation of Necessary Copper Piping between Indoor & Out Door for Suction & Discharge Line of Suitable Size including all fitting & accessories.		
	Hot Line 5/8"		
	Cold Line 7/8"		
3	CPVC Drain Pipe with necessary fittings		
4	MS Stands for PAC Machines both Indoor & Outdoor		
4	Installation & Commissioning oF PAC		
5	Supply and Installtion of 4TR- 2 No's Tower Air Conditioners with necessary Copper piping and control cabling,Drain Piping for Remaining Area.		
6	Sequential Controller		
7	MS Stands for TAC Machines both Indoor & Outdoor		
	Civil and Infrastructure items		
1	Suply and Installation of UNITILE Make ESRG USF 800 False Flooring with HPL and a point load of 360 kgs and UDL of 1650 Kgs with 450 mm height.		
2	Thermal insulation using 9 MM Nitile rubber under the raised floor(K-Flex Make)		
3	2x2 False Ceiling Armstrong Make		
5	Grating Panels Make UNITILE		
6	Fire rated paint		

7	Powder Coated Aluminium Partition with 5mm thickness Glass.(2 1/2 inch Al Section and 1.5mm thickness)		
8	Fire Rated Metal Door Shakti Make (Main Entrance-Double Door) 1500mmx2400mm with necessary fittings.		
10	Chemical Earthing with Earth Electrodes		
11	25X3 G.I. Strip		
12	Unloading ,Shifting & Erection of PAC and UPS.		
13	RAMP for DC		
14	Misclleneous Civil Works		
15	9" Wall front side		
16	4" Wall other three sides		
	Safety and security		
1	Novec 1230 gas based Fire Alram & Fire Suppression for Data Centre Area with 140Ltrs Cylinder and 120KGs Gas with necessary piping and Fittings.		
2	Rodent Repellant with 8 transducers VFHO V2		
3	Biometric Access Control System		
4	IP Cameras with recording software with 55" Displays		

	Specifications for Hyper-converged systems		
	Features		
1	The solution should provide hyperconverged software that allows delivery of enterprise-class storage services using latest x86 server infrastructures without dependence on a separate Storage Area Network & associated components such as SAN Switches & HBAs.		
2	Proposed solution should support the hypervisors listed as a leader in latest Gartner's Magic Quadrant for Virtualization Infrastructure. The solution components quoted including HCI system , hypervisor, server, network switch should be listed as a leader in Gartner's Magic Quadrant for Hyper-converged infrastructure, Hypervisor, modular servers and Data Center Networking respectively		

3	Proposed solution should support heterogenous hypervisor environment viz.Hyper-v & VMware		
4	The HCI solution should support both hybrid and All-Flash nodes options for future scalability		
5	Proposed HCI solution should be 100% software defined without dependency on any proprietary hardware device for deduplication and compression		
6	The proposed HCI solution should be a factory shipped engineered & integrated appliance . All the components of HCI such as compute nodes, hypervisor OS, storage disks, management software should be factory installed and shipped ready for fast deployment.		
7	The HCI solution should support all types of x86 servers rack and blade servers under a single HCI cluster. Any additional license requried should be included on day 1.		
8	The HCI solution should support scaling hyperconvered node(compute+storage), compute-only, storage-only(HDDs) independent of each other under a single cluster.		
9	The Solution should support compute only nodes. To add virtual compute capacity to the cluster which can access storage from converged nodes, without incurring any hci software license cost		
10	The proposed HCI solution should be proposed with N+1 design. The minimum CPU Cores, Memory and storage should be available available in the event of any one node failure.		
11	Minimum Configuration.		
12	The proposed HCI soluiton should support scalability up to 32 nodes in a single cluster. Each server node should have dedicated redundant hot swap power supplies & cooling fans.		
13	The solution should comprise of 3 nodes. The solution should have min. 96 Cores, 384 GB memory. All Overheads of CPU, memory for HCI software, considering all features enabled for data efficiency (deduplication, compression etc.) should be provisioned in terms of absolute cores, no processor level efficiency should be considered for overhead calculation.		

14	The HCI solution should be configured with minimum of 35 TB usable storage capacity excluding cache capacity. The capacity to be configured with minimum data protection of replication factor 2 or equivalent or higher. The capacity should be absolute capacity without considering any data efficiency techniques as Data Deduplication and compression. Any other capacity required for meta data, host maintenance mode, component rebuilds etc. should be factored over and above the capacity.		
15	The HCI should be proposed with 12G SAS 10K RPM or higher HDDs for capacity tier per server node. The HDDs should be presented via pass through mode without any hardware RAID on every server node.		
16	Min. 4* 10Gbps/2*40 Gbps network ports per server node.		
17	The hyper-converged system include min. 2 Qtys of unified network switches , each with 40 ports per switch with redundant power supplies and cooling fans. The switches should be provided with sufficient 10/40Gbps or equivalent bandwith for downlink ports and minimum 6*40Gb, 6* 10Gps Ethernet ports for uplink connectivity. All required SFPs, licenses should be provided.		
18	The network switches included with the HCI solution should be able to connect to existing storage fabric over FC/FCoE/NFS/ ISCSI & SMB protocols. The vendor should provide the required network switches and required adapters to support these storage protocols.		
19	The network switch should support QoS to streamline HCI network traffic to improve traffic filtering, segmentation and performance.		
20	The HCI solution must support end-to-end installation of compute, network, storage, and network QoS in automated installation steps.		
21	The solution should have multiple Switches for network traffic segregation. Various network traffics such as management, storage, virtual machine, Motion etc. in the HCI should be segregated on to independent virtual switch for improved traffic management and scaling. The procedure must be fully automated in the HCI installation. Any license required should be provided on day 1.		

22	The HCI solution should support multiple server identities can be deployed from a master server identity or a master template . Server identities that are created and linked to the master server identity inherits any modifications done to the master identity . Example , the version of the Server BIOS is changed in the master identity and all linked server identities inherit the new modified Server BIOS version .		
23	The solution should support Single click non-disruptive rolling upgrades of HCI software and system firmwares.		
24	The HCI solution should support management of both rack & blade form factor of Hyperconverged nodes from the same console		
25	The solution should support Role Based Access Control so that the resources can be managed by respective resource administrator. Parent administrator still have control over resources under their respective child resources		
26	The HCI solution should have Automated call home capability in the event of critical server failure or thresholds that are crossed which could impact server performance or customer SLA.		
27	Integration with the Microsoft Active Directory groups		
28	Single dashboard to manage virtual machines, network, storage, monitor performance and manage events & alerts.		
29	The solution should have a plugin in the Hypervisor for HCI management. Administrators should be able to view, provision, manage and monitor HCI solution from the hypervisor's management dashboard.		
30	The HCI sorage should be a scale-out distributed storage.		
31	The HCI software should pool all HDDs from all the nodes in the cluster to present a single storage resource pool to all server nodes in the cluster. There should not be any dependence on data locality		
32	The HCI software should pool all SSDs from all the nodes in the cluster to present a single storage cache pool across the HCI nodes.		
33	The HCI should support IO striping across all SSDs in the cluster for individual virtual machines to extract maximum throughput and performance from the cluster.		
34	The HCI solution should support scaling storage capacity and performance linearly by addition of nodes. VMs on existing nodes should get the storage performance & capacity that was scaled by		

	the addition of new HCI nodes.		
35	The HCI solution should be able to present cluster wide storage performance to any single large Virtual machine.		
36	Present scale-out storage to compute only nodes for Seamless failover of compute-only nodes for a fully high available design of HCI		
37	The HCI should support connecting to external 3rd party SAN (FC,ISCSI) and NAS (CIFS, NFS) storage into the HCI cluster for capacity expansion and ease of migration from exisitng environment to HCI		
38	The HCI solution should support various data replication methods(RF=2 & RF=3) or equivalent for data protection. Any software license required to enable RF=2 & RF=3 should be quoted on day 1.		
39	The HCI solution should support Inline Deduplication across all storage tiers.		
40	The HCI solution should support for 2 nodes failure in entire solution		
41	The Solution should support Instant space optimized point-in-time Snapshots. Should allow for taking snapshots of individual Virtual Machines to be able to revert back to an older state, if required. Any additional software and license should be provided on day 1.		
42	The Solution should allow for taking clones of individual Virtual Machines for faster provisioning. Any additional software or license required should be provided on day 1.		
43	The HCI storage should have integrated wizard to schedule snapshot for hourly/weekly/monthly snapshot policies. Any additional software or license should be provided on day 1.		
44	The solution should support Data at rest encryption, any license required to support the feature should be quoted from day 1		
45	The HCI storage should have integrated wizard for batch clones of virtual machines and customization. Any additional software or license should be provided on day 1.		
46	The solution should automatically rebalance data to maintain balanced utilization of storage across the HCI nodes. When storage capacity is scaled up or scaled out, the HCI modes must automatically redistribute data equally across all nodes equally		

	without migrating VMs.		
47	The HCI solution quoted should have native replication capability independent on Hypervisor		
48	Virtualization software shall provide a Virtualization layer that sits directly on the bare metal server hardware with no dependence on a general purpose OS for greater reliability and security		
49	Virtualization software should support live Virtual Machine migration with enhanced CPU compatibility and without the need for shared storage option.		
50	Virtualization software should have the ability to live migrate VM files from one storage array to another without any VM downtime. Support this migration from one storage protocol to another (ex. FC, iSCSI, DAS)		
51	Virtualization software should allow for hot addition of vCPU, memory, disk without any downtime.		
52	Virtualization software shall have High Availability capabilities for the virtual machines in the sense if in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software. This high availability feature should also be extended to and aware of the applications running inside of the virtual machines.		
53	Virtualization software should have the provision to provide zero downtime, zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure, without the cost and complexity of traditional hardware or software clustering solutions. This option should be supported for upto 4 virtual CPU per virtual machine.		
54	Virtualization software shall be able to dynamically allocate and balance computing capacity across collections of hardware resources aggregated into one unified resource pool with optional control over movement of virtual machines like restricting VMs to run on selected physical hosts.		
55	The solution should provide specific real-time actions that ensure workloads get the resources they need when they need for placement, scaling and capacity decisions. The solution should give options of recommend (view only), manual (select and apply) or automated (executed in real time)		

56	The solution should model what-if scenarios based on the real-time environment to accurately forecast capacity needs		
57	The solution should Track, report, and view trends for compute, storage and database metrics like CPU, memory, IOPs, latency, and Database Transaction etc.		
58	The solution should be able to monitor entire inventory connecting to the virtualziation solution, Network switches, 3rd party storage, blade servers etc.		
59	Hypervisor should have inbuilt Distributed Switch to centralize network provisioning, administration and monitoring using data center-wide network aggregation, should provide Network QoS to define priority access to network resources.		
60	the virtualization software should have Integration of 3rd party endpoint security to secure the virtual machines with offloaded antivirus, antimalware, firewall and hips solutions without the need for agents inside the virtual machines.		
61	Virtualization manager should be highly avaiable with out of box HA without any dependency on clustering software. Virtualization manager should have the capability to montitor other same platform virtualized workloads in the data center		
62	The vendor must provide all features and license applicable in Hypervisor OS on day 1.		
	Racks, Switching, Copper, Fiber Optic Cabling		
1	24 PORT 1 G Copper with 8 x 10G SFP Port Layer 3 switch with HA		
2	10G Fiber Modules – MM		
3	10G Fiber Modules – SM		
4	12 Core Fiber Optic Cable – SM		
5	24 Port LIU with LC Type Connectors with pigtails and accessories		
6	12 Port LIU with LC Type Connectors with pigtails and accessories		
7	Indoor Multimode Fiber optic Patch Cords - 25 Meters		
8	CAT 6A UTP Cable (Box of 500 Meters)		

9	CAT 6A Information Outlets			
10	CAT 6A Unloaded Jack Panel			
11	CAT 6A 7 Feet Mounting Cords			
12	**42U Rack Frame/800X1000/Steel/NRS1/Casters Type 2**			
13	Levellers, 19" Adopter kit /42U/Loops, Perforated Door/42/800/Dual/NRS1, Swing handle / Mechnical Lock / Three Point / Common Key/Polymade, Side Panels/1000/42U/Vented/NRS1, Shelf/1000, Shelf/Key Board/19"Rty/1000, Horizontal Cable Manager/1U/COF			
14	Server /IT Rack mount power distribution unit, 1Ph, 230V, 32A, 50/60Hz, Zero U standard with 12X C13 & 4 X C19, Inlet Plug (Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black			
15	ITE / Server Rack Air Circulation module**/Tower Mount**/360CFM, Mounting Hardware-CR (Pack of 20)			

Note: 1. Bidder has to inspect the site on the day of pre-bid meeting. Bidder has to obtain site visit certificate mandatorily from the Concerned Department.

1. **Bidders are encouraged to quote for any other line items against site visit/Inspection suitable/required for Data center which is not mentioned in tender.**

Section E

E.1 Bidding procedure – Separate bid for each schedule:

E.1. Offers should be made in **three** parts namely, **"Pre-qualification bid"**, "Technical bid" and "Financial bid" and in the format given in bid document. Each offer should be placed separately.
1) EMD details should be given in the "Pre-qualification bid".
2) Tenders will be accepted only from those who have paid the tender document fee.
3) All correspondence should be with RGUKT contact person.
4) A complete set of bidding documents can be downloaded from the RGUKT's website (i.e.www.rgukt.ac.in) or from e-procurement platform (www.tender.telangana.gov.in) and bidder has to submit the prescribed bid document price which is non-refundable in the form of Demand Draft drawn in favor of "Director, RGUKT, Basar " and payable at Basar, along with hard copy of the bid.

E.2. Technical Bid:

1. Deviation(s) to technical specification if any in Form T-1
2. Detailed technical documentation, reference to various industry standards to which the products / services included in vendor's offer conform, and literature concerning the proposed solution in Form T-2 (Bidder's format)
3. Other information, if any required in the bid document in Form T-3 (Bidder's format)
4. As per Section A.4 details of proposed site engineers to be deployed should be furnished.

E.3. Financial bid:

a. The financial bid should provide cost calculations for 3 years warranty corresponding to unit price of each item of the schedule-I in Form F-1.

Section F

<u>Bid evaluation procedure:</u>

Bids would be evaluated for each schedule separately. Bidders should offer prices for all the items of Schedules and for the full quantity of an item of Schedule failing which such bid will not be considered. Technical bid documentation should be in the prescribed format. If a vendor has any comment to offer about the procedural aspects of this tender, it should be intimated to RGUKT and get clarification before submitting bid. Nothing will be entertained in this regard after the bid clarifying date. In case the schedule or procedure of tender processing is revised, the same shall be communicated by e-mail/Fax to all vendors who have paid the tender document fee.

<u>F.1. Opening of bids.</u>

The RGUKT contact person shall open the pre-qualification bid, and list them for further evaluation. The Technical bids of only those bidders who qualify in the pre-qualification stage. The Financial bids of only those bidders will be opened who qualify in the Technical bid evaluation stage will be opened.

<u>F.2. Pre-qualification bid documentation:</u>

The Pre-qualification bid documentation shall be evaluated in two sub-steps. Firstly, the documentation furnished by the vendor shall be examined prima facie to see if the technical skill base and financial capacity and other vendor attributes claimed therein are consistent with the needs of this project. In the second step, RGUKT may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional, technical faculties to verify claims made in Pre-qualification bid documentation.

<u>F.3. Technical bid documentation</u>

Technical bid documentation shall be evaluated in two sub-steps. Firstly, the documentation furnished by the vendor shall be examined prima facie to see if the Product/ services offered, technical skill base and financial capacity and other vendor attributes claimed therein are consistent with the needs of this project. In the second step, RGUKT may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional, technical faculties to verify claims made in technical bid documentation.

<u>F.4. Award Criterion</u>

Final choice of firm to execute the project shall be made of the basis of conformity to technical specifications, appropriateness of the product offered, capability of bidder to execute and service the project and appropriateness of financial offer from the point of view of cost-effectiveness over the entire maintenance period for the product/services.

Section G

General instructions to bidders

G.1. Definitions:

1. **Tender call or invitation for bids** means the detailed notification seeking a set of solution(s), service(s), material(s) or any combination of them.

2. **Specification** means the functional and technical specifications or statement of work, as the case may be.

3. **Firm** means a company, authority, co-operative or any other organization incorporated under appropriate statute as is applicable in the country of incorporation.

4. **Bidder** means any firm offering the solution(S), service(S) and/or materials required in the tender call. The word vendor when used in the pre award period shall be synonymous with bidder and when used after award of the contract shall mean the successful bidder with whom RGUKT signs the contract for rendering of goods and services.

5. **Pre-qualification and Technical bid** means that part of the offer, that provides information to facilitate assessment by RGUKT, professional, technical and financial standing of the bidder, conformity to specifications etc.

6. **Financial Bid** means that part of the offer, that provides price schedule, total project costs etc.

7. **Three part Bid** means the pre-qualification bid, technical and financial bids submitted in RGUKT at sealed cover.

8. **Two part Bid** means the Technical bid and financial bids are submitted in RGUKT at sealed cover.

9. **Composite bid** means a bid in which the technical and financial parts are combined into one but their evaluation is sequential.

10. **Goods and services** mean the solution(s), service(s), material(s) or a combination of them in the context of the tender call and specifications.

11. The word goods when used singly shall mean the hardware, firmware component of the goods and services.

12. **Maintenance period** means period mentioned in bid document for maintaining the systems beyond warranty period.

G.2. General eligibility

1. This invitation for bids is open to all firms both from within and outside India, who are eligible to do business in India under relevant Indian laws as is in force at the time of bidding subject to meeting the pre qualification criterion.

2. Bidders marked/considered by RGUKT to be ineligible to participate for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices shall not be eligible.

3. Breach of general or specific instructions for bidding, general and special conditions of contract with RGUKT or any of its user organizations may take a firm ineligible to participate in bidding process.

G.3. Bid forms:

1. Wherever a specific form is prescribed in the bid document, the bidder shall use the form to provide relevant information, If the form does not provide space for any required information, space at the end of the form or additional sheets shall be used to convey the said information.

2. For all other cases the bidder shall design a form to hold the required information.

G.4.Cost of bidding:

1. The bidder shall bear all costs associated with the preparation and submission of its bid, and RGUKT will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.

2. Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in the rejection of its bid.

G.5. Clarification of bidding documents:

1. A prospective vendor requiring any clarification of the bidding documents may notify RGUKT contact person. Through e-mail mentioned of the RGUKT response (including an explanation of the query but without indentify the source of inquiry) will be uploaded on the RGUKT's website and e-procurement platform.

2. The concerned person will respond to any request for clarification of bidding documents which it receives not later than bid clarification date mentioned in the notice prior to deadline for submission of bids prescribed in the tender notice. No clarification from any

bidder shall be entertained after the close of date and time for seeking clarification mentioned in tender call notice. It is further clarified that RGUKT shall not entertain any correspondence regarding delay or non-receipt of clarification from RGUKT.

G.6. Amendment of bidding documents:

1. At any time prior to the deadline for submission of bids. RGUKT, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, may modify the bidding documents by amendment.
2. The amendments if any, shall be uploaded on RGUKT's website and e-procurement platform, and such modification will be binding on all bidders.

3. In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the RGUKT, at its discretion, may extend the deadline for the submission of bids.

G.7. Period of validity of bids:

1. Bids shall remain valid for the days or duration specified in the bid document, after the date of bid opening prescribed by RGUKT. A bid valid for a shorter period shall be rejected as non-responsive.

2. In exceptional circumstances, the RGUKT may solicit the bidders' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitably extended. A bidder granting the request will not be permitted to modify its bid.

G.8. Submission of bids:

1. The bidders shall submit all the bids i.e. pre-qualification, technical and commercial to RGUKT through e-procurement website. And hard copies of the documents are to be submitted by the date and time mentioned.

G.9. Deadline for submission of bids:

1. Bids must be submitted to RGUKT no later than the bid submission date and time specified in the tender call notice.

2. The RGUKT may, at its discretion, extend this deadline for the submission of bids by amending the tender call, in which case all rights and obligations of the RGUKT and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

G.10. Late bids:

Any bid not received by the RGUKT contact person by the deadline for submission of bids will be rejected and returned unopened to the bidder.

G.11.Modification and withdrawal of bids:

1. No bid can be modified subsequent to the deadline for submission of bids.
2. No bid can be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity. Withdrawal of a bid during this interval will result in the forfeiture of its bid security(EMD).

G.12.General business information:

The bidder shall furnish general business information to facilitate assessment of its professional, technical and commercial capacity and reputation.

G.13.Bid security i.e. earnest money deposit (EMD):

1. The bidder shall furnish, as part of its bid, a bid security for the amount specified in the tender call notice.
2. The bid security is required by RGUKT to:
   a. Assure bidder's continued interest till award of contract and
   b. Conduct in accordance with bid conditions during the bid evaluation process.
3. The bid security shall be in Indian rupees and shall be a bank guarantee, or an irrevocable letter of credit or cashier's certified check, issued by a reputable bank scheduled in India and having at least one branch office in Basar.
4. Unsuccessful bidder's bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by RGUKT.
5. The successful bidder's bid security will be discharged upon the bidder signing the contract, and furnishing the performance security.
6. The bid security may be forfeited:
   a) If a bidder withdraws its bid during the period of bid validity or
   b) In the case of a successful bidder, if the bidder fails:
      1. to sign the contract in time;
                              or
      2. to furnish performance security

G.14.Preparation of Pre-qualification bid:
It shall contain of the following parts:
   1. General business information
   2. Turnover details
   3. Major clients' details
   4. Service centre details
   5. Bid Security(EMD)
   6. Any other relevant information

G.15 Preparation of technical bid

It shall consist of the following parts.

1. Technical documentation-confirmation to technical specification etc.
2. Plan for in lab proof of concept, if required in tender call.
3. Plan for field demonstration if required in tender call
4. Detailed technical documentation, reference to various industry standards to which the goods and services included in vendor's offer conform, and other literature concerning the proposed solution, In particular, the vendors should indentify areas in which their solution conforms to open standards and areas that are proprietary in nature. Justification about proprietary components in terms of functionality and performance should be given.
5. A Statement about appropriateness of the product design and solution plan for operating conditions in India, including physical, infrastructure and human factors.
6. In the case of a bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized by the good's manufacture or produces to supply the goods in India.
7. A Statement of the serviceable life of goods and services offered by the firm. Available sources of maintenance and technical support during the serviceable life. Available sources of spare parts. Special tools, etc. Necessary for the proper and continuing functioning of the goods and services, for the serviceable life.

G.16 Preparation of financial bid

Overview of Financial bid

1. The financial bid should provide cost calculation corresponding to each component of the project.

2. **Bid Prices**
    a. The bidder shall indicate the unit process (where applicable) and the total bid price of the goods/services it proposes to supply under the contract.
    b. The bidder shall indicate Basic Prices and taxes, duties etc. (if required) in the form prescribed.
    c. Bidder's separation of price components will be solely for the purpose of facilitating the comparison of bids by RGUKT and will not in any way limit the purchaser's right to contract on any of the terms offered.
    d. Prices quoted by the bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account unless otherwise specified in the tender call. A bid submitted with an adjustable prices quotation will be treated as non responsive and will be rejected.
3. Bidder should quote all the columns in the financial bid otherwise the bid stands invalid.
4. **Bid currency:**

Prices shall be quoted in Indian rupees

Section H
Standard procedure for opening and evaluation of bids

H.1. Outline of bid Opening procedure

1. The bid opening and evaluation process will be sequential in nature. Means that bidder must qualify a particular stage to be eligible for next stage. Immediately after the closing time, the RGUKT authorized person shall open the Pre- qualification bids and list them for further evaluation. The Technical bids of only those bidders who qualify in the pre-qualification bid will be opened at the date that will be informed by RGUKT. After evaluation of technical bids, the financial bids of only those bidders who qualify in technical evaluation will be opened.

2. The Standard procedure, described here will stand appropriately modified, in view of special procedures of bid evaluation as mentioned in tender call or else where in this bid document of decided by RGUKT during the course of evaluation to meet any specific situation or need arising from time to time

H.2 General guidelines for bid opening and evaluation:

Bids will be in three parts (Pre-qualification, technical and financial) or two parts (Technical and financial) or composite bid (technical and financial bid together) as indicated in the tender call. For three part bids there will be three bid opening events, in tow part bid there will be two bid opening events and in case of composite bids there will be only one bid opening event. Following guidelines will generally be followed b RGUKT officers at each such event. However RGUKT may deviate from these in specific circumstances if it feels that such deviation are unavoidable. Or will improve speed of processing and consequent project execution.

1. **Opening of Bids**
   a. Bids will be opened at the schedule time and date
2. **Preliminary examination of Bids**
   a. Preliminary scrutiny will be made to determine where they are complete, whether any computational errors have been made, whether required sureties have been furnished, where the documents have been properly signed, and whether the bids are generally in order.
   b. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the vendor does not accept the correction of the errors, its bid will be rejected and its bid security may be forfeited, If there is a discrepancy between words and figures the amount in words will prevail.
   c. RGUKT may waive any minor informality, nonconformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
   d. Prior to the detailed evaluation, RGUKT will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations.

e. If a bid is not substantially responsive, it will be rejected by the RGUKT and may not subsequently be made responsive by the bidder by correction of the nonconformity.

3. Clarification of bids

During evaluation of the bids, RGUKT may, at its discretion, ask the bidder for clarification of its bid.

4. Evaluation of Pre- qualification bids

❖ Pre – qualification bid documentation shall be evaluated in two sub-steps.
   a. Firstly, the documentation furnished by the vendor will be examined prima facie to see if the technical shill base and financial capacity and other vendor attributed claimed therein are consistent with the needs of this project.
   b. In the second step, RGUKT may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional , technical faculties to verify claims made in technical bid documentation

5. Evaluation of technical bids

Technical bid documentation shall be evaluated in two sub-steps
   a. Firstly, the documentation furnished by the vendor will be examined prima facie to see if the technical shill base and financial capacity and other vendor attributed claimed therein are consistent with the needs of this project.
   b. In the second step, RGUKT may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional , technical faculties to verify claims made in technical bid documentation

6. Field demonstration

RGUKT will identify a part or segment of the proposed project site. The concerned bidder, on demand should be able to demonstrate functional requirements as described in the specifications.

7. Evaluation of financial bids

Financial bids of those vendors who satisfy all phases of the pre-qualification and technical bid corresponding to chosen technical bid choices will only be opened. All other financial bids will be ignored. RGUKT will assess the nature of financial offers and may pursue any or all of the options mentioned under financial bid. RGUKT may at its discretion discuss with vendor(s) available at this stage to clarify contents of financial offer.

8. General Evaluation of bids
   1. Evaluation of financial bids will exclude and not take into account any offer not asked for or not relevant to the present requirements of under.
   2. Past tract record of bidder in supply/services and
   3. Any other specific criteria indicated in the tender call and /or in the specifications.

H.3. Performance and productivity of the equipment

Bidders shall state the guaranteed performance or efficiency in response to the specifications.

H.4. Contacting RGUKT

1. Bidder shall not approach RGUKT officers outside of office hours and/or outside RGUKT office premises, from the time of the tender call notice to the time the contract is awarded.

2. Any effort by a bidder to influence RGUKT officers in the decisions on bid evaluation, bid comparison or contract award may result in rejection of the bidder's offer and bidder may also be marked as ineligible for future bids, If the bidder wishes to bring additional information to the notice of the RGUKT, it should do so in writing

H.5. RGUKT's right to vary quantities at time of award

RGUKT reserves the right at the time of award to increase or decrease the quantity, as indicated in tender cal, from the quantity of goods and services originally specified in the specification without any change in unit price or other terms and conditions

H.6 RGUKT's right to accept any bid and to reject any or all bids

RGUKT reserves the right to accept or reject any bid , and to annual the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision

H.7. Notification of award

1. Prior to expiration of the period of bid validity, RGUKT will notify the successful bidder in writing, that its bid has been accepted.

2. Upon the successful bidder's furnishing of performance security, RGUKT will promptly notify each unsuccessful bidder and will discharge its bid security.

H.8. Signing of contract

1. At the same time as the RGUKT notifies the successful bidder that its bid has been accepted, the RGUKT will send the bidder the Contract from provided in the bidding documents, incorporating all agreements between the parties.

2. On receipt of the Contract Form, the successful bidder shall sign and date the contract and return it to the RGUKT.

H.9. Performance Security

1. On receipt of notification of award from the RGUKT, the successful bidder shall furnish the performance security in accordance with the conditions of contract, in the performance security form provided in the bidding documents or in another form acceptable to the RGUKT

2. Failure of the successful bidder to sign the contract, proposed in this document and as may be modified, elaborated or amended through the award letter, shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the RGUKT may make the award to another bidder or call for new bids.

H.10. Corrupt, fraudulent and unethical practices

1. "Corrupt practice" means the offering , giving , receiving or soliciting of anything of value to influence the action of a public official in the process of contract execution and

2. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of contract to detriment of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid process at artificial non-competitive levels and to deprive the Purchases or the benefits of free and open competition:

3. "Unethical practice" means any activity on the part of bidder, which try to circumvent tender process in any way. Unsolicited offering of discounts, reduction in financial bid amount, upward revision of quality of goods etc after opening of first bid will be treated as unethical practice.

4. RGUKT will reject a proposal for award and also may debar the bidder for future tenders in RGUKT, it is determines that the bidder has engaged in corrupt, fraudulent or unethical practices in competing for, or executing a contract.

Section – I

General conditions of proposed contract(GCC)

I.1. Definitions

In this contract, the following terms shall be interpreted as indicated. Terms defined in general instruction to bidders section shall have the same meaning

a) **"Contract"** means the agreement entered into between the RGUKT and the vendor, as recorded in the contract form signed by the parties, including all attachments and appendices there to and all documents incorporated by reference therein

b) **"Contract price"** means the price payable to the vendor under the contract for the full and proper performance of its contractual obligations;

c) "**Incidental services"** means those services ancillary to the supply of the goods and services, such as transportation and insurance and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other such obligations of the vendor covered under the contract;

d) **"GCC"** means the general conditions of contract contained in this section.

e) **"SCC"** means the special conditions of contract if any.

f) **"RGUKT"** means the Rajiv Gandhi University of Knowledge Technologies.

g) **"Purchase/User'** means ultimate recipient of goods and services

h) **"Vendor or Bidder"** means the individual or firm supplying the goods and services under this contract.

i) **"Project site",** where applicable, means the place(s) where goods/services are to be made available to user.

j) **"Day"** means calendar day

k) **"Up time"** means the time periods where specified services with specified technical and service standards are available to under(s)

l) **"Down time"** means the time period when specified services with specified technical and service standards are not available to user(s)

I.2. Application

These general conditions shall apply to the extent that they are not superseded by provisions of other parts of the contract.

I.3.Standards

The goods supplied under this contract shall conform to the standards mentioned in the specifications, and, when no applicable standard is mentioned, the authoritative standards appropriate to the goods' country of origin shall apply. Such standard shall be the latest issued by the concerned institution

I.4. Use of documents and information

1. The vendor shall not, without prior written consent from RGUKT, disclose/share/use the bid document, contract, or any provision thereof, or any specification, plan drawing, pattern, sample or information furnished by or on behalf of the RGUKT in connection therewith, to any person other than a person employed by the vendor in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only, so far as may be necessary for purposes of such performance.

2. The Vendor shall not, without prior written consent of RGUKT, make use of any document or information made available of the project, except for purposes of Performing the Contract.

3. All project related document (including this bid document) issued by RGUKT, other than the contract itself, shall remain the property of the RGUKT and shall be returned (in all copies) to the RGUKT on completion of the Vendor's performance under the contract if so required by the RGUKT.

I.5.User license and patent rights

1. The Vendor shall provide licenses for all software products, whether developed by it or acquired from others. In the event of any claim asserted by a third party for software piracy, the vendor shall act expeditiously to extinguish such claim. If the vendor fails to comply and the RGUKT is required to pay compensation to a third party resulting from such software piracy, the vendor shall be responsible to a compensation including all expenses, court costs and lawyer fees. The RGUKT will give notice to the vendor of such claim, if it is made, without delay.
2. The vendor shall indemnify the purchases against all third party claims of infringement of patent, trademark or industrial design rights arising from use of the goods, software package or any part thereof.

I.6. Performance security

1. On receipt of notification of award, the vendor shall furnish performance security to RGUKT in accordance with bid document requirement.
2. The performance security shall be payable to the RGUKT as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.
3. The performance security shall be denominated in Indian rupees or in a freely convertible currency acceptable to RGUKT and shall be in one of the following forms:
   a) A bank guarantee or an irrevocable letter of credit, issued by a reputed bank located in India with at least one branch office in Basar, in the form provided in the bidding document or another form acceptable to the RGUKT; or
   b) A cashier's cheque or banker's certified cheque or crossed demand draft or pay order drawn in favor of the RGUKT.
4. The performance security will be discharged by the RGUKT and returned to the vendor not later than thirty (30) days following the date of completion of all formalities under the contract and if activities, post warranty, by the vendor is envisaged, following receipt of a performance guarantee for annual maintenance as per bid document.
5. In the event of any contract amendment, the vendor shall, within 15 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract.

I.7 Manuals and drawings

1. Before the goods and services are taken over by the user, the vendor shall supply operation and maintenance manuals, (together with drawings of the goods and services where applicable).

2. The vendor shall provide complete technical documentation of hardware, firmware, all subsystems, operating systems, complier, system software and the other software.

3. The manuals and drawings wherever applicable shall be in English or Telugu.

4. At least one set of the manuals should be supplied for each installation sites.

5. Unless and otherwise agreed, the goods and services shall not be considered to be completed for the purpose of taking over until such manuals and drawings have been supplied to the user.

I.8. Inspection and acceptance tests

1. Inspection and tests prior to shipment of Goods and at final acceptance are as follows:

a) Inspection of the goods shall be carried out to check whether the goods are in conformity with the specifications mentioned in the bid document. Following broad test procedure will generally be followed for inspection and testing of hard ware and firm wares. The vendor will dispatch the goods to the ultimate consignee after internal inspection testing along with the supplier's inspection report, manufacturer's warranty certificate. The RGUKT will test the equipment after completion of the installation and commissioning at the site of the installation. (If site preparation is not included in the tender call or specification, the vendor should furnish all details of the site requirement to the RGUKT sufficiently in advance so as to get the works completed before receipt of the equipment.)

b) The Inspections and tests, at the discretion of RGUKT, may be conducted on the premises of the vendor or its subcontractor(s), at point of delivery, and / or at the good's final destination. If conducted on the premises of the vendor or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspections at no charge to the RGUKT.

c) Should any inspected or tested goods fail to conform to the specifications the RGUKT may reject the goods, and the vendor shall either replace the rejected goods or make alterations necessary to meet specifications requirements free of cost to the RGUKT/user.

d) RGUKT' right to inspect, test and, where necessary reject the goods after the goods' arrival at user's site shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by the RGUKT or its representative prior to the goods shipment from the country of origin.

e) Nothing in this clause shall in any way release the vendor from any warranty or other obligations under this contract.

f) The acceptance test will be conducted by the RGUKT, their consultant or any other person nominated by the RGUKT, at its option. There shall not be any additional charges for carrying out acceptance tests. Any reduction in functional requirements, and performance specifications shall be ground for failure. Any malfunction, partial or complete failure of any part of hardware, firmware or excessive heating of hardware enclosures, motors attached to printers, drivers etc. or bugs in the software shall be grounds for failure of acceptance test. All the software should be complete and no missing modules/sections will be allowed. The vendor shall maintain necessary log in respect of the results of the tests to established to the entire satisfaction of the RGUKT, the successful completion of the test specified. And average uptake efficiency of 97% for the duration of test period (7 days) shall be considered as satisfactory.

g) In the event of the hardware and software failing to pass the acceptance test, A period not exceeding two weeks will be given to rectify the defects and clear he acceptance test, failing which the RGUKT reserves the rights to get the Equipment replaced by the vendor at no extra cost to the RGUKT/user.

I.9. Acceptance certificates

On successful completion of acceptability test, receipt of deliverables etc, and after RGUKT is satisfied with the working of the system, the acceptance certificate signed by the vendor and the representative of the RGUKT will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the systems.

I.10. Packing

1. The vendor shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
2. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the RGUKT.

11. Delivery and documents

1. Delivery of the goods/services shall be made by the vendor in accordance with the terms specified in schedule of requirements. The details of shipping and / or other documents to be furnished and submitted by the vendor are specified below.

2. **For Goods supplied from abroad:**

a. Within 24 hours of shipment, the vendor shall notify the RGUKT and the Insurance Company by cable or telex or fax full details of the shipment including contract number, description of goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The vendor shall mail the following documents to the RGUKT, with a copy to the Insurance Company.

b. Four copies of supplier's invoice showing goods description, quantity, until price and total amount;

c. 4 copies of packing list identifying contents of each package;

d. Insurance Certificate; Manufacturer's/Supplier's warranty certificate;

e. Inspection certificate, issued by the nominated inspection agency and the Supplier's factory inspection report; and

f. Certificate of origin.

The above documents shall be received by the RGUKT at least one week before arrival of Goods at the port or place of arrival and, if not received, the vendor will be responsible for any consequent expenses.

S) For Goods from within India:

Upon delivery of the goods to the user, the vendor shall notify the RGUKT and mail the following documents to the RGUKT:

a) Four copies of the vendor invoice showing goods description, quantity, unit price total amount;

b) Delivery note, or acknowledgment of receipt of goods from the user;

c) Manufacturer's or Supplier's warranty certificate;

d) Inspection Certificate issued by the nominated inspection agency , and the Supplier's factory inspection report.

e) Certificate of Origin;

f) Insurance Policy;

g) Excise gate pass Octroi receipts wherever applicable duly sealed indicating payments made; and

h) Any of the documents evidencing payment of statutory taxes

The above documents shall be received by the RGUKT before arrival of the Goods (except deliver note and where it is handed over to the user with all documents) and if not received, the vendor will be responsible for any consequent expenses.

I.12. Insurance

1. It is suggested that the goods supplied under the contract shall be fully insured in an freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery up to user site.

2. The insurance should be for replacement value from " Warehouse to warehouse (final destination)" on "All Risks" valid upto 3 months till completion of delivery, installation and commissioning..

I.13.Transportation

Transport of the goods to the project site(s) shall be arranged by the vendor at his cost.

I.14. Hardware Installation

The vendor is responsible for all unpacking, assemblies, wiring, installations, cabling between computer units and connecting to power supplies. The vendor will test all hardware operations and accomplish all adjustments necessary for successful and continuous operation of the computer hardware at all installation sites.

I.15. Incidental services

1. The vendor may be required to provide any or all the following services, including additional services:
   a. Performance or supervision or maintenance and/or repair of the supplied goods and services, for a period of time agreed by the parties, provided that this service shall not relieve the vendor of any warranty obligations under this Contract, and

   b. Training of RGUKT and/or its user organization personnel, at the vendor's site and/ or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied goods and services.

Prices changed by the vendor for the preceding incidental services, if any, should be indicated separately(if required) , and same will be mutually negotiated separately.

I.16 Spare Parts

1. The Vendors may be required to provide any or all of the following materials. Notifications and information pertaining to spare parts manufactured or distributed by the Vendor.

2. Such spare parts as the RGUKT may elect to purchase from the Vendor, provided that this election shall not relieve the Vendor of any warranty obligations under the contract and

3. In the event of termination of production of the spare parts, an advance notification to the RGUKT of the pending termination, in sufficient time to permit the RGUKT to procure needed requirements and

4. The Vendor shall ensure availability of spares in stock at his nearest service centre for immediate delivery such spare parts as: (a) are necessary for a minimum of 5 years of operation after installation at the purchaser's sites (b) are necessary to comply with specifications.

I.17 Warranty

1. The Vendor warrants that the goods and services supplied under the contract are new, unused , of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Vendor further warrants that all goods and services supplied under this contract shall have no defect arising from design, materials or workmanship or form any act or omission of the Vendor, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

2. The warranty period shall be as stated in bid document. The vendor shall, in addition, comply with the performance guarantees specified under the contract. If, for reasons attributable to the Vendor, these guarantees are not attained in whole or in part, the vendor shall, makes such changes, modifications, and/or additions to the goods or any part therefore as may be necessary in order to attain the contractual guarantees specified in the contract at its own cost and expenses and to carry cut further performance tests.

3. The equipment supplied should achieve required up time.

4. RGUKT/ user shall promptly notify the Vendor shall, within the period specified in GCC and with all reasonable speed, repair or replace the defective goods and services or parts thereof, without costs to the user.

5. If the Vendor, having been notified, fails to remedy the defects(s) within a reasonable period, the RGUKT/user may proceed to takes such remedial action as may be necessary, at the vendor's risk and expense and without prejudice to any other rights which the RGUKT/user may have against the Vendor under the contract.

I.18 Maintenance Service

1. Free maintenance services including spares shall be provided by the vendor during the period of warranty. User, at its discretion may ask the vendor to provide maintenance services after Warranty period, i.e., annual maintenance and repairs of the system at the rates indicated by bidder in its proposal and on being asked so, the vendor shall provide the same. The cost of annual maintenance and repairs cost (after warranty period), which will include cost of spares replaced, shall be paid in equal quarterly installments at the end of each quarter.

2. The maximum response time for maintenance complaint from any of the destination (i.e., time required of suppliers maintenance engineers to report to the installations after a request call/telegram is made or letter is written) shall not exceed 48 hours.

3. The vendor will accomplish preventive and breakdown maintenance activities to ensuring that all hardware, and firmware execute without defect or interruption for at least required up time.

4. In case up time is less than the stipulated up time, penalty as indicated in the bid document shall be imposed on the vendor.

5. The amount of penalty if any, will be recovered at source from the performance guarantee during the warranty or from annual maintenance charges payable as the case may be.

I.19 Payment

1. The vendor's request(s) for payment shall be made to the RGUKT in writing, accompanied by an invoice describing, as appropriate, the goods/service delivered/performed.

2. Payments shall be made promptly by the RGUKT, but in no case later than (30) days after submission of a valid invoice or claim by the vendor.

3. The currency of payment will be Indian rupees.

4. Payment shall be made as indicated in Bid document.

    a. The annual maintenance and repair cost as per separate agreement if any, shall be paid in equal quarterly installments at the end of each quarter as per the rates quoted and agreed.

5. Payment will be made through cheque/RTGS Transfer.

I.20 Prices

Prices charged by the Vendor for goods delivered and services performed under the contract shall not vary from the prices quoted by the Vendor in its bid, with the exception of any price adjustments authorized in special conditions of contract or in the request for bid validity extension, as the case may be.

I.21. Change orders.

RGUKT may, at any time, by written order given to the Vendor, make changes within the general scope of the Contract in any one or more of the following:

S) Drawing, designs, or specifications, where Goods to be supplied under the Contract are to be specifically manufactured for the RGUKT;
b) The method of shipment or packing;
c) The place of delivery and /or the services to be provided by the Vendor.

If any such change causes an increase or decrease in the cost of, or the time required for, the Vendor's performance of any provisions under the contract, an equitable adjustments shall be made in the contract price or delivery schedule, or both, and the contract shall accordingly be amended. Any claims by the Vendor for adjustment under this clause must be asserted within thirty(30) days from the date of the Vendor's receipt of the change order.

I.22 Contract amendment

No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

I.23. Assignment

The Vendor shall not assign, in whole or in part, its obligations to perform under this contract, except with the prior written consent from RGUKT.

I.24 Subcontracts

The Vendor shall notify the RGUKT in writing of all subcontracts awarded under the contact if not already specified in the bidder's proposal. Such notification, in the original bid or later, shall not relieve the Vendor form any liability or obligation under the contract subcontract shall be only for bought- out items and sub-assemblies.

I.25 Delays in the supplier's performance

1. Delivery of the Goods and performance of the services shall be made by the Vendor in accordance with the time schedule specified by the RGUKT in the specifications.

2. If at any time during performance of the contract, the vendor or its subcontractor(s) should encounter conditions impending timely delivery of the goods and performance of services, the Vendor shall promptly notify the RGUKT in writing of the fact of the delay, its likely duration and its causes (s). As soon as practicable after receipt of the Vendor's notice, RGUKT shall evaluate the situation and may at its discretion extend the Vendor's time for performance, with or without liquidated damages.

3. A delay by the Vendor I the performance of its delivery obligations shall render the vendor liable to the imposition of appropriate liquidated damages, unless an extension of time is agreed upon by RGUKT without liquidated damages.

I.26 Liquidated damages
If the Vendor fails to deliver any or all of the goods or perform the services within the time periods (s) specified in the Contract, the RGUKT shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to, as per the terms indicated in the bid document, until actual delivery or performance, subject to maximum limit. Once the maximum is reached, the RGUKT may consider termination of the contract.

I.27 Termination for default

1. The RGUKT, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Vendor, may terminate the Contract in whole or in part: a. If the Vendor fails to deliver any or all of the Goods/Services within the time period(s) specified in the contract, or within any extension thereof granted by the RGUKT pursuant to Clause 25 of GCC.
   a. If the Vendor fails to perform any other obligation(s) under the Contract or
   b. If the Vendor, in the judgment of the RGUKT has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

2. In the event the RGUKT terminated the contract in whole or in part, RGUKT may procure, upon such terms and in such manner as it deems appropriate, goods or services similar to those undelivered, and the Vendor shall be liable to the RGUKT for any excess performance of the contract to the extent not terminated.

I.28 Force majeure

1. The Vendor shall not be liable for the forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event for Force Majeure.

2. For purpose of this clause, "Force Majeure" means an event beyond the control of the Vendor and not involving the Supplier's fault or negligence and not foreseeable. Such events may include but are not restricted to, acts of the RGUKT in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

3. If a Force Majeure situation arises, the Vendor shall promptly notify the RGUKT in writing of such condition and the cause thereof. Unless otherwise directed by the RGUKT in writing, the Vendor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

I.29. Termination for insolvency

RGUKT, may at any time terminate the contract by giving 30 days written notice to the Vendor if the Vendor becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Vendor, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the RGUKT.

I.30 Termination for convenience

1. RGUKT, may at any time by giving 30 days written notice to the Vendor, terminate the Contract, in whole or in part, for its convenience. The notice of termination shall specify that termination is for the RGUKT/ Purchaser's convenience, the extent to which

performance of the Vendor under the Contract its terminated, and the date upon which such termination becomes effective.

2. The goods that are completed and ready for shipment within thirty(30) days after the vendor's receipt of notice of termination shall be accepted by the RGUKT at the contract terms and prices. For the remaining Goods, the RGUKT may elect to have any portion completed and delivered at the contract terms and prices at its discretion.

I.31 Resolution of disputes

1. The RGUKT and the Vendor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with contract.

2. If, after thirty (30) days from the commencement of such informal negotiations, the RGUKT and the Vendor have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified here in. These mechanisms may include, but are not restricted to, conciliation mediated by a third party.

3. The dispute resolution mechanism shall be as follows:

4. In case of a dispute or difference arising between the RGUKT and the Venodr relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in acc9ordance with the Arbitration and Conciliation Act, of India, 1996.

I.32. Governing Language

The Contract shall be written in English or Telugu. All correspondence and other documents pertaining to the contract which are exchanged by the parties shall be written in same languages.

I.33. Applicable law

The contract shall be interpreted in accordance with appropriate Indian laws.

I.34 Notices

1. Any notice given by one party to the other pursuant to this contract shall be sent to the other party in writing or by telex, email, cable or facsimile and confirmed in writing to the other party's address.

2. A notice shall be effective when delivered or tendered to other party whichever is earlier.

I.35. taxes and duties

The vendor shall be entirely responsible for all taxes, Duties, license fee Control, road permits etc. incurred until delivery of the contracted Goods/services at the site of the user or as per the terms of tender document if specifically mentioned.

I.36 Licensing Considerations

The software mentioned in the Schedules or Requirement will be used throughout Telangana or user's sites even outside Telangana.

I.37 Protection against damages – site conditions:

1. The system shall not be prone to damage during power failures and trip outs. The normal voltage and frequency conditions available at site are as under
   a. Voltage 230 Volts.
   b. Frequency 50Hz.

2. However, locations may suffer from low voltage conditions with voltage dropping to as low as 160 volts and high voltage conditions with voltage going as high as 220+20% volts. The relative humidity may range in between 5% to 95%.
3. The goods supplied under the contract should provide protection against damage under above conditions.

I.38 Fail-safe procedure

The vendor should indicate in detail fail-safe procedure (s) for the following:

1. Power failure
2. Voltage variation
3. Frequency variation

I.39 Training:

For each hardware and software component installed, the Vendor may be required to train the designated RGUKT and user personnel free of cost to enable them to effectively operate the total system. The training, if required, shall be given specified in the SCC at the locations specified. The training schedule will be agreed to by both parties during the performance of the Contract.

I.40 Site Preparation and Installation:

The Purchaser is solely responsible for the construction of the installation sites except where it is specifically required under bid document. The bidder will designate to perform a site inspection top verify the appropriateness of the sites before the installation of every hardware related them.

J. Special conditions of proposed contract (SCC)

- Price should be valid for 1 year on the products quoted (any additional procurement would be based on requirement / enhancement)
- Any civil works relating to the completion of the job (like drilling through floor and walls) has to be carried out by the bidder without any additional charges after seeking the necessary approvals from RGUKT officials.
- All the CDs, Operational Manuals, Stationery and similar accessories made available by equipment vendor would be handed over by the bidder to RGUKT after the installation work is over. The installation of equipment shall be accepted only after installation tests are over successfully.
- RGUKT reserves the right for quantity variation due to increase/decrease in requirements. The bidder shall also provide all required products/services 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 IT Infrastructure.
- The selected bidder has to provide Comprehensive Training for at least 4 RGUKT personnel on the Servers.
- The successful bidder shall after completion of the installation, submit a detailed documentation.
- The bidder shall submit documents of 3 years warranty of OEM for active components within 30 days from the date of start, The successful bidder has to mandatorily backline all the services with the OEM during the warranty period and proof for the same should be submitted within 30 days from the date of award.
- Return Material Authorization (RMA) support should be from OEM.
- All TAC support should be from OEM to RGUKT should be provided with relevant access to OEM TAC.
- OEM/Bidder shall replace any faulty device during the contract period with device of same or higher specifications.
- Quoted OEM Products should have One depot in Telengana or should maintain adequate spares at each of the site.
- In addition to the above mentioned certification the bidder (who is not an OEM) shall have to furnish following documents along with technical bid:

Eligibility Criteria

Following are the minimum qualifying requirements to qualify technically to bid in the tender. A certificate in respect to each point has to be submitted along with the technical bid, failing which the bids shall be technically disqualified.

- The bidder should be an authorized Partner of the Passive / Active OEM. The bidder should have met all necessary conditions of OEM to achieve specialization.
- **Manufacturing Authorization Certificate in support of the above to be submitted along with the bid.**
- All the Actives Components and Servers offered by the Bidder shall be from single OEM and the Past experience of the Bidders should be for the same Make, which the bidder is quoting for this tender.

- The bidder must be a Authorized dealer /Authorized Distributer of the mentioned in BOQ. A **certificate in this regard shall be attached**.
- The bidder company should be incorporated under the company's act 1956 and should be in business for last 3 years. **Proof of this should be attached along with the technical bid**.
- Bidder should have GST, PAN, ESI/EPF registration with concerned authorities in India. **Copy of GST, PAN & ESIC / EPF registration should be attached**.
- The bidder firm should not be defaulted / black listed/ banned by any Govt/ Public Sector organization / department in India. **A certificate on the bidder's company letter head to be attached**.
- Bidder must have Average Annual Financial Turnover during the last 3 years, ending 31st March 2019 of atleast INR 5 Crore. Annual Report (Audited Balance Sheet and Profit & Loss Account/ **CA Certificate to authenticate it should be attached.**
- The bidder should be profitable with positive net worth for last 3 years. **CA Certificate should be attached to authenticate it.**
- In view of the prominence of these installations, the bidder is expected to provide the following documents in writing on respective letterheads or from the OEM, as required.
- Site visit certificate issued by university to be submitted along with Bid

Scope of the Work:

- The bidder shall design, engineer, supply/manufacture, test, erect, install, connect, commission and site test the Electrical Distribution System for any and all power requirements within the Server/Datacenter Facility. This shall include, but not be limited to, UPS, Lighting system, ACDB system and input power to various sub systems of the Server/Datacenter.

- Bidder shall design the electrical system considering the various loads it has to cater to. The technical specifications and the scope for various items provided herein need to be verified by the Bidder. Bidder's scope shall include end to end system that is designed and implemented according to various applicable standards / regulations and meets total requirement for the Datacenter Facility.

- University shall be limited to providing 2 feeders in the Electrical room with minimum 250 amperes power in each feeder for the data center requirements. Further to this source, all requirements shall be in Bidder's scope.

- **Prime Power Cable up to Data Center main electrical panel needs to be considered by bidder.**
- **Source MCCB with redundant cable and different MCCBs (To scope of University).**

WORKING CONDITIONS:

The contractor shall take special note of the following aspects of restricted working conditions while executing the work and should quote his rates accordingly. The contractor shall ensure the following strictly at no extra cost under all conditions. The work shall be carried out with least disturbance and inconvenience to the office staff and visitors.

Necessary precautions and safety arrangements shall be taken for carrying out the work safely and effectively without causing damage to the existing structure and to prevent accidents as directed by Engineer-in-charge.

The contractor shall make his own arrangements for erection of barricades around the area earmarked for stacking the construction materials, construction Tools & tackles and equipment.

The working hours for certain works may have to be adjusted in such a way that cause least disturbance to the working of the office in strict compliance to the instructions of the Engineer-in-charge, whose decision shall be final.

The contractor shall make good all losses/damages suffered by structures or persons connected or not connected with work. The contractor shall take necessary insurance covering the same.

Standard:

A high standard of workmanship in all trades will be required. The Contractor shall ensure that only skilled and experienced workmen are employed. The Contractor's supervising staff shall be fully qualified and experienced in the types of work being carried out under the supervision and shall be capable of ensuring that they are done well and efficiently.

Temporary work

Where required, the Contractor shall furnish such details of his temporary works as may be called for by the Engineer and the Contractor shall satisfy the Engineer as to their safety and efficiency. The Engineer may direct that temporary works, which he considers unsafe or insufficient, shall be removed and replaced in a satisfactory manner.

Safety of existing work:

Before taking up any construction adjoining other property or existing work, the Contractor shall take all steps necessary for the safety and protection of such property or work.

Protection of existing services:

The Contractor shall take all precautions necessary to prevent damage to or interference with under-ground or over-ground services such as cables, drains, piping or piles, whether shown on drawings or not. Equipment etc., mounted in position shall be protected against falling debris etc., by means of tarpaulin or such other material.

Handing over of work site:

On completion of work, the Contractor shall remove all rubbish, debris, surplus materials, temporary work etc., from the site. The site shall be handed over in a tidy and workmanlike manner.

Special Note:

The quoted tender percentage shall also include the work of any kind necessary for the due and satisfactory construction, completion and maintenance of the works according to the drawings and these specifications and further drawings and orders that may be issued by the University.

Bid letter form

From:

(Registered name and address of the bidder.)

To:
The Director,
Rajiv Gandhi University of Knowledge Technologies,
Basar, Nirmal District,
Telangana-504107.

Sir,

Having examined the bidding documents and amendments there on, we the undersigned, offer to provide services/execute the works including supply, delivery installation of hardware, firmware and software as the case may be , in conformity with the terms and conditions of the bidding document and amendments there on, for the following project in response to your tender call dated …………………

Project Title:

We undertake to provide services/execute the above project or its part assigned to us in conformity with the said bidding documents for an estimated sum of Rs. ………. (total bid amount in words and figures) which may vary in options made by RGUKT, or its user organization.

If our bid is accepted, we undertake to;

1. Provide services/execute the work according to the time schedule specified in the bid document.
2. Obtain the performance guarantee of a bank in accordance with bid requirements for the due performance of the contract, and
3. Agree to abide by the bid conditions, including modifications/amendments issued if any, which remain binding upon us during the entire bid validity period and bid may be accepted any time before the expiration of that period.
4. We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Place: Bidder's Signature
Date: and seal.

SUPPLY AGREEMENT FORM

Contract Ref.No:- <u>RGUKT-B/Proc/T09/CCIC/2019</u>, **dt.17.10.2019**

THIS AGREEMENT is made on _____day of _____-

BETWEEN

1. The Director, Rajiv Gandhi University of Knowledge Technologies, Basar, Nirmal District, Telangana – 504107 "(hereinafter "the RGUKT")), one part and.............. (Name of Vendor a company incorporated under the laws of India and having its registered office) **at** .... (City and Country of Vendor) (Hereinafter "the Vendor") of the other part:

WHEREAS the purchaser invited bid for certain goods and ancillary services viz., **Supply and Installation of** _____ **of supply at** _____ and has accepted a bid by the Supplier for the supply of those all taxes and duties (hereinafter called as "the Contract Price")

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

In this Agreement words and expression shall have the same meanings as are respectively assigned to them in the conditions of bid document referred to.

1. Scope of the Work

Brief outline of the work: To Supply & Installation **of** _____ **at** subsequent clarifications.

2. Contract Documents

2.1 Contract Documents

The following documents shall constitute the contract between the User and the Supplier, and each shall be read and construed as an integral part of the contract:

I.   Bid document Ref No. _____ Dt._____
II.   Amendments and Modifications issued, if any(Annexure V)
III.   Proposal of the Supplier on Closed Bid & Manual Reverse auction prices (Annexure IV)
IV.   Minutes of TCPC meeting held on _____ (Annexure III)
V.   Notification of award. (Annexure II)
VI.   This Contract Agreement and the Annexure attached to the Contract Agreement

VII.   Delivery locations (Annexure VII)

      a. Order of Precedence

In the event of any ambiguity or conflict between the Contact Documents listed above, the order of precedence shall be the order in which the contract documents are listed in 2.1 (Contract Documents) above, provided that Schedule of **Amendments contained in Annexure VIII** shall prevail over all provisions of the Contract Agreement and the other Appendices attached ot he Contract Agreement and all the other Contract Documents listed in 2.1 above.

3.   In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the contract.

4.   The Purchaser hereby covenants to pay the Supplier in consideration of the provision the Goods and Services and the remedying of defects therein, the Contract price or such other sum as may become payable unde3r the provisions of the Contract at the times and in the manner prescribed by the Contract.

5.1) Brief particulars of the goods and services which shall be supplied/provided by the Supplier are as under:

S.No	Solution, service, or material	QTY
1.		
2.		
3.		

5.3 DELIVARY SCHEDULE   :_____

5.4 WARANTY   :_____

5.5 SUPPLIER RESPONSIBILITY   : _____

5.6 UP TIME   %   : _____

5.7   EXIT CLAUSE   : _____

5.8   PAYMENT TERMS   : _____

IN WITNESS WHEREOF the Purchaser and the Supplier have caused this agreement to be duly executed by their duly authorized representatives the day and year first above written.

For and behalf of the RGUKT

    Signed: _____
     In the capacity of Director, RGUKT, Basar.

In the presence of_____

For and behalf of the Vendor

    Signed: _____

    In the capacity of_____, M/S._____

In the presence of_____

Annexure				
Schedule				
Items	Configuration required	Qty	Unit Price	Total Price
	Grand Total			

Annexure VIII

Amendments & Other Documents

S.no	Amendment No	Date	Amendment Description

RGUKT. Ref. No: <u>RGUKT-B/Proc/T09/CCIC/2019</u>**, dt.17.10.2019**

Bid Security(EMD) form

(To be issued by any Scheduled Bank in India and having at least one branch in Basar)

Whereas……………………………………..(here in after called " the Bidder") has submitted its bid

Dated……………..(Date). For the execution of …………………(here in after called "the Bid")

KNOW ALL MEN By these present that WE………………of ………………………having our

Registered office at …………………………………..(hereinafter called   the "Bank") are bound

unto the Rajiv Gandhi University of Knowledge Technologies,. (here in after called "The RGUKT")

in the sum of …………………for which payment well and truly to be made to the said RGUKT

itself, its successors and assignees by these presents.

The conditions of these obligations are:

1. If the bidder withdraws its bid during the period of bid validity or
2. If the bidder, having been notified of the acceptance of its bid by the RGUKT during the period of bid validity
    1) Fails or refuses to execute the contract form if required; or
    2) Fails or refuses to furnish the performance security, in accordance with the bid requirement;
        We undertake to pay the RGUKT up to the above amount upon receipt of its first written demand, without the RGUKT having to substantiate its demand, provided that in its demand the RGUKT will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.
        This guarantee will remain in force up to and including 45 days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

Place: Signature of the Bank

Date: and seal.

Annexure 2

RGUKT Ref. NO: RGUKT-B/Proc/T09/CCIC/2019**, dt. 17.10.2019**

Performance Security form

(To be issued by a bank scheduled in India and having at least one branch in Basar)

To:………………………….(Address of RGUKT)

WHEREAS……………………………….(Name of Vendor) hereinafter called "the Vendor" has undertaken, in pursuance of contract No…………….. dated, …………..(Date), to supply…………called "the Contract".

 AND WHEREAS it has been stipulated by you in the said Contract that the Vendor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

 WHEREAS we have agreed to give the Vendor a guarantee:

 THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Vendor, up to a total of Rs………… …………and we undertake to pay you upon your first written demand declaring the Vendor to be in default under the Contract and without cavil or argument, any sum or sums within the limit of Rs………………(Amount of Guarantee) as aforesaid, without your needing to prove or to show ground or reasons for your demand or the sum specified threin.

 This guarantee is valid until the …………day of…………(Date)

Place: Signature of guarantors
Date: and seal

Annexure 3
Manufacturer authorization.

The authorization may be in the nature of letter, memorandum or certificate regularly granted by the manufacturer to its channel partners, authorized solution providers, system integrators, distributors, etc. or a specific letter issued for purposes of this bid. Such communication should include statements/ undertakings from the said manufacture to the following effect.

1) Guarantee and warranty coverage in respect of the goods and services manufactured bye the said manufacturer shall be honored by that manufacture, their channel partners, distributors, authorized service centers as the case may be.

2) The manufacturer updates the bidder and their technical personnel with relevant technical literature, training and skill transfer workshops etc. on a regular basis.

3) The manufacturer provide back to back technical support to the said bidder on a continuing basis.

4) The said bidder is authorized to provide service and solutions using hardware, firmware and / or software as the case may be.

5) Either manufacturer or the manufacturer authorized dealer only should quote.

Note: The letter of authority should be signed by a person competent and having the power of attorney to bind the manufacturer.

Form P-1

Bidder Information

1	Name of the organization		
2	Year of establishment		
3	Registered Address:		
4	Complete Postal Address		
5	Name & Designation of Authorized person		
6	Phone No.		
7	Fax No.		
8	Email		
9	Nature of the firm (Proprietary/partnership/etc…)		
10	Whether a Manufacturer	If yes, provide relevant document	
11	Whether authorized dealer/ Service Provider?	If yes, provide relevant document	
12	**Bank Details of the Agency:**		
	Bank Name		
	Bank Address		
	Bank Account Number		
	IFSC Code		
13	PAN No.		
14	TIN No.		
15	GST No.		
16	Total No. of Service Engineers		
17	Bid Document Fee (Non refundable)	Amount Rs. : DD No. : DD Date : Issuing Bank & Branch :	
18	EMD	Amount Rs. : DD No. : DD Date : Issuing Bank & Branch :	
19	Details of certificates enclosed.		

FINANCIAL BID

S No	Item Description	Unit	Qty	Unit Price	Amount
POWER & ELECTRICAL EQUIPMENT With Necessary Cable					
1	**UPS :** Capacity: 30KVA	No	2		
2	**SMF Batteries :** Capacity : 12V,100AH	No	64		
3	Battery Rack & Intercell Connectors.	Lot	2		
4	U8 Uninyvin Cable for Battery bank to UPS connectivity	RMT	40		
5	Installation & Commissioning of UPS	No	2		
6	**Main Electrical Panel:**				
	4P 250Amp MCCB Main Incoming Panel for UPS,PAC & other equipment with 4P 100A MCCB- 3 No's for UPS, 4P 80A MCCB- 3No's for PAC & 4P 63A MCB - 2 No's 4P 32 A-04 Nos for other equipments.	No	1		
7	UPS Output 2 No's of 8-Way VTPN Distribution board with 4P 100 MCCB Incomer and output of 3P 32A- 16 No's (8 Nos Eachb DB)	No	2		
8	8way Distribution board with 63Aincomer and 32A- 4 No's & 16A-4No's for Lighting & Other Accessories	No	1		
9	4C x 16 Sqmm Cu flexible Cable for PAC Input	RMT	40		
10	4C x 16 Sqmm Cu flexible Cable for UPS input	RMT	30		
11	4CX 6Sqmm CU Flexible Cable for Server connectivity	RMT	160		
12	Emobile Sockets for Server Connectivity	Set	16		
13	3CX 1.5Sqmm for lihting & rodent,Firealarm,Biometric	RMT	100		
14	6Way Distribution Board with 4P 32A MCB incomer with 3 Nos of 6A MCB's and 16A MCB's for Security Systems	No	1		
15	3Cx2.5Sqmm Cable for connecting security systems (i.e. Rodent Repellent,WLD,Biometric & CCTV Systems)	RMT	100		
16	2X2 LED Lighting Fixures(Wipro)	No's	20		
17	GI pregalvanized sheet perforated cable trays with cover 150x50x2mm	RMT	40		
18	4P 200A Bus Bar Box	No	1		
19	1Cx 16 Sqmm Cu Green Cable for Earthing Connectivity.	RMT	100		
20	4C x 6Sqmm Cu Flexible Cable for **TAC** Input.	RMT	30		
21	Supply and Installation of 1.1KV grade XLPE PVC insulated 3.5Cx185Sqmm armoured Aluminium conductor cable from MCC to DC Main Electrical Panel with necessary supports.	RMT	300		
	Switch gear : ABB/Legrand/ L&T/Equivalent				

		Cables: Polycab/Finecab/Finolex/ Equivalent				
		UPS : APC/VERTIV/Schneider				
		Batteries : Rocket/Quanta / Exide				
		Cooling PAC				
	1	**Supply of PAC Machines - Capacity: 10 TR**	No	2		
	2	Supply & Installation of Necessary Copper Piping between Indoor & Out Door for Suction & Discharge Line of Suitable Size including all fitting & accessories.	No	1		
	3	Hot Line 5/8"	RMT	20		
	4	Cold Line 7/8"	RMT	20		
	5	CPVC Drain Pipe with necessary fittings	RMT	10		
	6	MS Stands for PAC Machines both Indoor & Outdoor	Nos	2		
	7	Installation & Commissioning of PAC	No	2		
	8	Supply and Installation of 4TR Tower Air Conditioners with necessary Copper piping and control cabling, Drain Piping for Remaining Area.	Nos	2		
	9	Sequential Controller	No	1		
	10	MS Stands for TAC Machines both Indoor & Outdoor	Nos	2		
		PAC Makes: Vertiv/UNIFLAIR/Stulz				
		Tower AC Makes: LLOYD/Carrier/Bluestar				
		Civil and Infrastructure of Data Center				
	1	Suply and Installation of UNITILE Make ESRG USF 800 False Flooring with HPL and a point load of 360 kgs and UDL of 1650 Kgs with 450 mm height.	Sqft	1250		
	2	Thermal insulation using 9 MM Nitile rubber under the raised floor(K-Flex Make)	Sqft	1000		
	3	2x2 False Ceiling Armstrong Make	Sqft	1250		
	5	Grating Panels Make UNITILE	No	12		
	6	Fire rated paint	SFT	1300		
	7	Powder Coated Aluminium Partition with 5mm thickness Glass.(2 1/2 inch Al Section and 1.5mm thickness)	Sqft	700		
	8	Fire Rated Metal Door Shakti Make (Main Entrance-Double Door) 1500mmx2400mm with necessary fittings.	No	1		
	10	Chemical Earthing with Earth Electrodes	No	3		
	11	25X3 G.I. Strip	RMT	60		
	12	Unloading ,Shifting & Erection of PAC and UPS.	Lot	1		
	13	RAMP for DC	No	1		
	14	Miscellaneous Civil Works	Lot	1		
	15	Brick wall with plastering (approx)	CUM	18.5		
		Safety and security				

1	Supply of **SAFEX Make Modular Type Fire Extinguishers** for DATA Center with necessary fittings. Clean Agent Fire Extinguisher of 5kg capacity modular type, fitted with pressure guage and quartzite bulb 68 degrees, filled with dupont FE 36 gas and supplied complete with initial charge and ceiling bracket and Rodent Repellant	Nos	8		
2	Rodent Repellant with 8 transducers VFHO V2	Set	1		
3	Biometric Access Control System	Set	1		
4	55" Display for Monitoring and SNOC applications 24/7	Nos	2		
5	IP Camers with recording software	Nos	4		
	Specifications for Hyper-converged systems				
	Server Features and Specifications should be as mentioned				
1	The solution should comprise of 3 nodes. The solution should have min. 96 Cores, 384 GB memory with HCI software, the solution should be configured with minimum of 35 TB usable storage as per Technical Specifications.	Set	1		
2	Windows 2019 Standard Server Operating System – 5 Nos Licenses with CALS – 200 Nos	Set	1		
	Racks, Switching, Copper and Fiber Cabling and Installation Charges				
1	MR55-HW - Meraki MR55 Cloud Managed Indoor AP with Power Injector & Enterprise License and Support, 3 Year	Nos	2		
2	WS-C3850-24XU-S Cisco Catalyst 3850 24 mGig Port IP Base - Support 3 years 8x5xNBD	Nos	2		
3	Cisco Catalyst 3850 8 x 10GE Network Module	Nos	2		
4	715W AC Config 1 Secondary Power Supply	Nos	2		
5	50CM Type 1 Stacking Cable	Nos	2		
6	SFP-10G-SR-S - 10GBASE-SR SFP Module	Nos	6		
7	SFP-10G-LR-S - 10GBASE-LR SFP Module	Nos	6		
8	12 Core Fiber Optic Cable – SM	Mtrs	1000		
9	24 Port LIU with LC Type Connectors with pigtails and accessories	Nos	4		
10	12 Port LIU with LC Type Connectors with pigtails and accessories	Nos	10		
11	Indoor SM Fiber optic Patch Cords - 5 Meters	Nos	10		
12	Indoor MM Fiber optic Patch Cords - 25 Meters	Nos	30		
13	LC-LC Fiber Patch Cords – SM	Nos	20		
14	CAT 6A UTP Cable (Box of 500 Meters)	Boxes	4		
15	CAT 6A Information Outlets	Nos	144		
16	CAT 6A Unloaded Jack Panel	Nos	8		
17	CAT 6A 7 Feet Mounting Cords	Nos	144		
18	42U Rack Frame/800X1000/Steel/NRS1/Casters Type 2				

19	19" Adopter kit /42U/Loops, Perforated Door/42/800/Dual/NRS1, Swing handle / Mechanical Lock / Three Point / Common Key/Polymade Side Panels/1000/42U/Vented/NRS1, Shelf/1000, Shelf/Key Board/19"Rty/1000, Horizontal Cable Manager /1U/COF	Nos	8		
20	Server /IT Rack mount power distribution unit, 1Ph, 230V, 32A, 50/60Hz, Zero U standard with 12X 15 Amps PDU 2 Nos in each Rack with industrial socket, ITE / Server Rack Air Circulation module/Tower Mount/360CFM, Mounting Hardware-CR (Pack of 20)	Nos	8		
	Installation and Support charges for 3 years				
1	Installation Charges for Passive Components	Lot	1		
2	Installation Charges for Data Center Infrastructure	Lot	1		
3	Installation and Support charges for Server	Lot	1		
4	Installation Charges for Civil Works	Lot	1		
5	Project management charges	Lot	1		
6	Training for 4 Persons on Servers				
7	Physical relocation of Servers and Network components from Old Center to New Center				
				Sub Total	
				GST	
				Grand Total	
Note:	**All components should be with 3 years Warranty and 8x5xNBD Support**				

Signature of the Bidder along with seal

Note: 1) The bidders have to strictly follow the formats available online without any change in *Particulars & Format Nos.*
2) In case any changes made in particulars or formats, then the same will not be considered for evaluation.

Signature of the Bidder along with seal

CHECK LIST

IMPORTANT:

The Bidder must ensure that the following details in the check list are furnished along with the bid document **(IN THE SAME ORDER).** The bidder must also carefully go through all the contents of the BID Document and any additional information/documents, required more than the items listed in the check list below, also shall have to be furnished. Non-furnishing of any required information/document as per the Tender Document will lead to rejection of the bid.

S.No	Particulars	Name of the file uploaded	Page Number
PRE-QUALIFICATION:			
1	Tender Processing Fee of Rs.10,000/- by way of DD		
2	EMD of Rs.2,00,000/- by way of DD/BG		
3	Bidder Information Sheet		
4	Firm Registration Certificate		
5	General Information about Bidder's company		
6	Bid letter form		
7	Bidding firm should have a cumulative turnover of 15 Cr during the last three financial years i.e.2015-16, 2016-17 & 2017-18.		
8	Certificates issued by the firm of CA's regarding turnover of the subject material		
9	Details of the Service Centres		
10	Manufacturer's Authorization to participate in bidding process apart from such other documents like authorization certificate for dealing in the products for which bid is submitted (however this will not apply to Manufacturers)		
11	Power of Attorney (If applicable)		
12	Letter of Undertaking for Non-blacklist		
13	Any other information/documents that are required in the bid document		
14	Site visit Certificate		
15	Layout to be submitted with sign & stamp.		

NOTE: All pages of the bid documents must be serially numbered and signed.