



## **Tender Specification**

**For**

**Supply, Installation, Commissioning of Computers and Other Peripherals  
For E-Sushrut Project**

2022 –23

**By**

Rourkela Smart City Limited  
1<sup>st</sup> Floor, RMC City library Udit Nagar,  
Rourkela-769012

June – 2022

## 1. Introduction

Rourkela Smart City Limited (RSCL) intends to procure Computers and other peripherals to be installed at 5 UPHCs of Rourkela Smart City for implementation of “E-Sushrut ” project. There is a specific requirement for procurement of Computers, Multi-Function Printers-cum-Scanners, and Other items. All the Computers and network-printers shall be connected to the existing LAN to enable the users to connect to internet.

Accordingly, Rourkela Smart City Limited invites tender as per the instructions given in the Datasheet in Annexure -I from Authorized Agencies/Vendors for Supply, Installation, Commissioning and Maintenance of Computers & Peripherals of reputed brands like HP/Dell/Lenovo etc.

## 2. Scope of work

The scope of work for the authorized vendors shall include Supply, Installation, Commissioning and Maintenance of Computers & Peripherals as per the Bills of Materials (Annexure-II) and Technical Specifications (Annexure-III) provided in this document.

## 3. Eligibility Criteria

The eligibility criteria for the selection of vendor for the proposed scope of work is given below. Bidders are requested to provide requisite details pertaining to eligibility criteria and technical specification compliance as specified in Annexure-IV of this document.

S.No.	Eligibility Criteria	Document Proof
1	The bidder should be registered under the Companies Act, 2013/1956 or should be a proprietorship firm or Limited Liability Partnership and should be in operation for a period of at least 3 years as on date of publication of this notice.	Copy of 1. Certificate of Incorporation/Shops & Commercial establishment Certificate/Any other relevant certificate to proof the year of establishment 2. PAN card 3. GST registration certificate
2	Average annual turnover of the bidder during last three years shall be at least INR Thirty (30) lakhs.	CA Certificate with UDIN along with Copy of Audited financial statements of last 3 years.
3	The bidder should have a registered office in Odisha. The bidder should not have been barred/blacklisted by the Central Government, any State Government, a statutory authority or a public-sector undertaking.	Relevant supporting documents

## 4. Tender Document Fee and Earnest Money Deposit

Tender document cost (non-refundable) Rs. 11,800/- (Including GST) in shape of DD drawn from a scheduled bank (as per the terms and conditions laid down in OGFR “Annexure-VIII”) in favour of RSCL (Smart City Mission Grant Fund) payable at Rourkela, and Bid Security Declaration as per Annexure (iv) shall be submitted along with the technical bid. Without the

payment of tender fee and Bid security Declaration, the bids will be taken as incomplete and non-responsive and shall not be considered.

## 5. Performance Bank Guarantee (PBG)

successful agency must submit the Performance Bank Guarantee @3% of the Total Tender award cost from a scheduled Bank (as per the terms and conditions laid down in OGFR) in favor of Chief Executive Officer, Rourkela Smart City Limited, Rourkela payable at Rourkela before start of the work. The PBG will be returned to the agency after 3 years of warranty period.

## 6. Evaluation Criteria

Technical Evaluation of only those bidders who meet the eligibility criteria shall be done.

### Technical Evaluation:

The bidder should have executed at least three (3) orders of supply, installation and commissioning of 10 (ten) No, or more computers in last 5 years. The bidder should have received at least one (1) Annual Maintenance Contract of 10 (ten) No or more computers under one single contract in the last 5 years. The bidder has to submit Work Order/Job Completion Certificate as proof of their experience.

### Final Evaluation:

The Financial Bid will be opened for the bidders who are technically qualified. Contract will be awarded to the bidder having quoted the least price including all taxes except GST.

## 7. Milestones and Payment Schedules

The milestones and payment schedule is given below.

D=Date of work Order  
C=Completion of Work

Delivery Milestones	Time Schedule	Payment Schedule
Supply, Installation, Commissioning of all necessary equipment /software as per Bills of Materials-“C”	D + 15 days	60% of the quoted price
User Acceptance	D + 15 days	40% of the quoted price

## 8. Format for Submission of Bids:

The Bidder has to submit the price per unit. In case one bidder wants to quote for different brands, then he/she has to quote the price separately brand wise.

**Name of Brand:**

Sl. No.	Item Description	Qty for 1 UPHC	Price	Qty for 5 UPHCs	Price
<b>Computers and Peripherals</b>					
1	Desktops / Computers	5		25	
2	Tablet PC (Android OS)	2		10	
3	Laser Printers	4		20	
4	Barcode Printers	2		10	
5	Barcode / QR Scanners	3		15	
6	Web Camera	2		10	
7	Head-Phone	2		10	
8	Electric Power Extension Board	6		30	
<b>Network Active Components</b>					
1	Network Router	1		5	
2	24 Port Gigabit Ethernet Managed L2 Switch	1		5	
3	Wireless Access Points with Adaptor, PoE and Cables	4		20	
4	Wi-Fi Adaptor	6		30	
<b>Network Passive Components</b>					
1	Category 6 UTP Cable (in Meters)	100		500	
2	12 U/9 U Racks for N/W Edge Switch	1		5	
3	UTP Patch Cord Cat 6 UTP 3 Ft	6		30	
4	UTP Patch Cord 6 UTP 7 Ft	6		30	
5	PVC / Conduit Pipe for Cat-6 (in Meters)	100		500	
<b>Internet Connection</b>					
1	Primary Internet Connection to SDC (Mbps)	2		10	
<b>UPS &amp; Electrical Infrastructure</b>					
1	Line Interactive 1 KVA UPS (with 30 Mints backup) (Should have minimum 4 output power ports with capacity 660 W/1KVA)	6		30	

**Annexure-I: Data Sheet for Bidders**

S.No.	Details
1.	<b>Name of the Client:</b> Rourkela Smart City Limited
2.	<b>Method of selection:</b> Least Cost Based Selection of the selected brand
3.	Place of sale/receiving of bids: - Online mode only <b>Bid only submitted Online Mode will be Acceptable For this Tender portal: The e-Procurement Portal of Government of Odisha introduced for the process of e-Tendering which can be accessed on <a href="https://www.tendersodisha.gov.in">https://www.tendersodisha.gov.in</a>,</b> For information is also available on notice board and through web site of Rourkela Municipal Corporation <a href="http://www.rmc.nic.in">www.rmc.nic.in</a> .
4.	<b>Financial Bid to be submitted together with Technical Bid:</b> Yes The Financial Bid must be submitted in the format specified in Financial Excel in in Specific section i.e., <b>BOQ only in online Mode Excel format (BOQ) will be acceptable in case of it submitted with Technical Bid or Hard Copy submission bid will be treated as Non-Responsive.</b> The Financial Bid will be opened for the Bidders meeting the eligibility criteria and Technical Criteria.
5.	<b>Tender Document Fee:</b> Tender document cost (non-refundable) Tender Document Fee: Rs. 11,800/- (including GST) in shape of DD drawn from a schedule bank in favour of RSCL (Smart City Mission Grant Fund) payable at Rourkela. Original Tender Fee must be submitted along with Hard copy of Technical Bid on Bid due date. In absence of tender fee bid will treated as non-responsive.
6.	<b>Bid Security Declaration in the Format Mentioned in Annex - IX</b>
7.	<b>Whether Consortium Permissible:</b> No
8.	<b>Pre-Bid Meeting:</b> 27 /06/2022 at 12:30 PM
9.	<b>Submission of Technical &amp; Financial Bid:</b> The Bid will comprise sealed envelopes which will be placed in a sealed outer Envelope as follows: - <input type="checkbox"/> The <b>first envelope</b> (Envelope A) will contain the Eligibility Criteria, Technical Specification Checklist (Annexure IV), Tender Document Fee DD & Bid Security Declaration, Work Orders/ Job Completion Certificate of similar works undertaken along with the cover letter (Annexure VI) and marked as follows: “ <b>Supply, Installation, Commissioning of Computers and Other Peripherals For E-Sushrut Project.</b> ” Must has submitted Online as well as hard copy form on or before Bid due date. <input type="checkbox"/> <b>Financial bid must be submitted in online mode only</b> in Specific Place e-Procurement Portal of Government of Odisha i.e. website <a href="http://www.tendersodisha.gov.in">www.tendersodisha.gov.in</a> , <input type="checkbox"/> <b>Last Date of Hard copy Submission : Bidder must submit the Hard Copy of their bid in sealed envelope (in person or by registered Speed post) in the below mentioned address</b>

	Chief Executive Officer, Rourkela Smart City Limited, Uditnagar, Rourkela – 769 012, Odisha on or before 11.07.2022 at 12.00 PM.
10.	<b>Opening of Technical Bid</b> - RSCL shall conduct the bid opening of the technical bids in the presence of Bidder’s designated representatives at Rourkela Smart City office at Uditnagar, Rourkela on 11.07.2022 at 5.00PM. The date for opening of Financial Bid will be intimated to the Qualified Bidders.
11.	<b>Last date of Online submission: 07.07.2022 at 5.00 PM</b>
12.	<b>Location of Installation: 5 UPHCs at Rourkela City</b>
13.	<b>Validity Period:</b> Bids must remain valid for 90 days after the date of Bid submission.
14.	<b>Clarifications via E-Mail</b> may be requested not later than two (2) days before the last date of Bid Submission. The email id for seeking clarification is: <b>rourkelascl@gmail.com</b>
15.	<b>Language:</b> Bids shall be submitted in English
16.	<b>Legal jurisdiction meaning of the Project - Rourkela</b>
17.	<b>Evaluation Criteria:</b> Technical Bids shall be opened for bidders qualifying the eligibility criteria. Financial Bids shall be opened for bidders qualifying the technical criteria. Bidder with least quoted price (excluding the taxes) in financial bid shall be selected for award of contract.
18.	Government of Odisha Tendering Guideline will be abide for this tendering Process.
19.	Contact Person : Manager MIS , Mobile No. 9439514035

#### Annexure-II: Bill of Materials

Sl. No.	Item Description	Qty for 1 UPHC	Qty for 5 UPHCs
<b>Computers and Peripherals</b>			
1	Desktops / Computers	5	25
2	Tablet PC (Android OS)	2	10
3	Laser Printers	4	20
4	Barcode Printers	2	10
5	Barcode / QR Scanners	3	15
6	Web Camera	2	10
7	Head-Phone	2	10
8	Electric Power Extension Board	6	30
<b>Network Active Components</b>			
1	Network Router	1	5
2	24 Port Gigabit Ethernet Managed L2 Switch	1	5

3	Wireless Access Points with Adaptor, PoE and Cables	4	20
4	Wi-Fi Adaptor	6	30
<b>Network Passive Components</b>			
1	Category 6 UTP Cable (in Meters)	100	500
2	12 U/9 U Racks for N/W Edge Switch	1	5
3	UTP Patch Cord Cat 6 UTP 3 Ft	6	30
4	UTP Patch Cord 6 UTP 7 Ft	6	30
5	PVC / Conduit Pipe for Cat-6 (in Meters)	100	500
<b>Internet Connection</b>			
1	Primary Internet Connection to SDC (Mbps)	2	10
<b>UPS &amp; Electrical Infrastructure</b>			
1	Line Interactive 1 KVA UPS (with 30 Mints backup) (Should have minimum 4 output power ports with capacity 660 W/1KVA)	6	30

Note:

1. All the supply products/devices must be provided service with warranty period of three (3) years or as per the manufacturer, whichever is maximum.
2. The computers should be Wi-Fi enabled so as to ensure connectivity to Internet.

## ANNEXURE-III: TECHNICAL SPECIFICATIONS

### Computer and Peripheral

#### 1. Desktop Computer:

Category	Feature/ Description /Parameter	Description of Requirement/ Specifications
Processor	Processor Make	AMD Intel, AMD
	Generation	9.0 Or higher
	Number of Cores per Processor	4 Or higher
	Processor Base Frequency (GHz)	3.0 or higher
	Processor Description	Intel Core i5, AMD Ryzen 5
	Processor Number	Intel Core i5 9600 or higher, AMD Ryzen 5 PRO 3400G Or higher
	Cache (MB)	4 or higher
Motherboard	Chipset Series	Intel H Series, Intel B Series, AMD B Series, AMD Pro Series
	Expansion Slots (PCIe x 1) (Number)	1

	Chipset Number	Intel H370/470, Intel B 365, AMD B500, AMD PRO 500 Or higher
	Expansion Slots (PCIe x 4) (Number)	0
	Expansion Slots (PCIe x 16) (Number)	1
	Expansion Slots (PCI) (Number)	1
	Expansion Slots (M Dot 2)	1
Graphics	Graphics Type	Integrated
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Professional
	Recovery Image Media	CD from the OEM, Stored in Partition of the Hard Disk, USB Drive from the OEM, On Line / Cloud
	OS Certification	Windows
Memory	Type of RAM	DDR4
	RAM Size (GB)	8
	RAM Speed (MHz)	2666
	Total Numbers of DIMM Slots Available	2
	Number of DIMM Slots populated	1
	RAM Expandability up to (using spare DIMM Slots in GB)	32
Storage	Total Number of Internal Bays available	1
	Number of 2 point 5 inches internal Bays	0
	Number of 3 point 5 inches Internal Bays	1
	Number of 2 point 5 Inches Internal Bays Populated	0
	Number of 3 point 5 Inches Internal Bays Populated	1
	Type of Drives used to populate the Internal Bays	HDD
	Number of Internal Bays populated with HDD	1
	Capacity of each HDD (GB)	1000 @7200 rpm
	Total HDD Capacity (GB)	1000
	Cabinet	SFF ( 7 to 13 Liters), Tower (13.1 to 26 Liters)
	Cabinet Volume (Litres)	7-26
	External Bays (Number)	1
	Optical Drive	DVD R/W
	Internal Speaker	Yes
	Audio-in	Yes
	Audio-out	Yes
Headphone out	Yes	
Microphone in	Yes	



Connectivity	Wireless Connectivity and Bluetooth	Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, Bluetooth 4.2 or higher
	Number of Ethernet Ports	1
	Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port
Ports	Number of USB Version 2 Point 0 Ports	4
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	4
	Number of Serial Ports	1
	Number of VGA Ports	1
	Number of HDMI Ports	1
Monitor	Monitor Technology	TN, IPS
	LED Backlit Monitor Size (INCHES)	21.5
	Monitor Resolution (PIXELS)	1600x900, 1920x1080
	TCO Certification for Monitor	7.0, 8.0, Or higher
	Number of VGA Ports in the Monitor	0/1
	Number of HDMI Ports in the Monitor	1
Power	Minimum Power Efficiency Range (%)	90 - 94, 95 & above Or higher
Certification	ROHS Compliance	Yes
	BEE / Energy Star for the given Model	Yes
Inpute Device	Mouse Connectivity	Wired
	Type of Mouse	Optical Scroll
	Keyboard Connectivity	Wired
	Type of Keyboard	Standard
Warranty	On Site OEM Warranty (Year)	3

## 2. Tablet (PC)

SI No	Item	Description of Requirement/ Specifications
1	Operating System support	Android 10.0 Or latest
2	Camera	Camera Front Facing 5.0 MP
3	Display	TFT
4	Display resolution	1280 x 800 (WXGA) or higher
5	Screen Size	8" or higher
6	Internal Modem	2G,3G,4G
7	Wi-Fi	802.11 b/g/n, 2.4+5GHz
8	Processor	Minimum 1.4 GHz, Quad-Core or better
9	USB	Yes
10	Bluetooth	Bluetooth v4.2 or above
11	Battery Type	5000 mAh or above
12	Internet Usage Time (Wi-Fi) (Hours)	Up to 15 Hours
13	External Memory	Up to 256GB

14	System Flash Memory	16 GB
15	Weight	364 Weight (g) Maximum
16	RAM	Minimum 2 GB or more
17	Warranty (in Years)	3 Years NBD On-site OEM Warranty

### 3. Laser Printer

SI No	Item	Description of Requirement/ Specifications
1	Print Technology	Laser
2	Print Color	Monochrome
3	Print Speed	28 ppm forA4 or higher
4	Resolution	Min. 00x600dpi ( 1200x1200 desired)
5	Tray Capacity	Input: 250 Sheets; Output: 100Sheets
6	Paper Size	A4
7	Paper tray	2
8	Duplex	Manual and Automatic
9	Interface	Hi-Speed USB 2.0/3.0 or better
10	Duty Cycle /month	30000 Pages or Higher
11	Energy Certification	Should be Energy Star / BEE Certified
12	Supported OS	Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, Mac OS X v10.10, Linux and all latest flavors of Windows and Linux
13	Warranty	5-year comprehensive on-site warranty
14	First Page out Speed	< 6.5 seconds or better
15	Energy Saving	Auto Sleep /Wake-up
16	Power	Power Cable / 220 V AC 3-Pin Indian Plug

### 4.Bar Code Printer

SI No	Item	Description of Requirement/ Specifications
1	Printer Type	Direct Thermal / Thermal Transfer
2	Memory	Memory Flash SD RAM 8MB or Higher
3	Print Methods	Direct thermal and thermal transfer, Printing of barcodes, text and graphics.
4	Resolution	203 dpi/8 dots per mm
5	Memory	8 MB Flash, 8 MB SDRAM (standard)
6	Print Width	4.09"/104 mm
7	Print Length	39"/990 mm

8	Print Speed	5"/125 mm per second
9	Weight	<=5KGs
10	Sensors	Transmissive sensors & movable reflective sensor to handle different sizes and types of media like wristbands
11	Drivers	Win 7,8 and 10
12	Operating temperature	40° F/5° C to 105° F/41° C
13	Communication and Interface Capabilities	Centronics parallel, USB and Serial
14	Ribbon length	300 M, OD 25mm
15	Input	100-240 VAC, 50-60 Hz
16	Certification	BIS for printer and adaptor
17	Drivers	Microsoft certified Drivers for Windows 7, Windows 8.x, Windows 10 and Windows Server platform
18	Energy star	Printer should be energy star qualified
19	Warranty	5 Years OEM certified Onsite comprehensive including Print-head
20	OEM Service	OEM should have min 5 ISO certified Service center in India

### 5.Bar Code/QR Code Scanner

SI No	Item	Description of Requirement/ Specifications
1	Technology	Digital imager 2D Barcode scanner
2	Hands free operation	Scanner should operate in hands free mode when placed on stand. Scanner should auto trigger when a barcode is presented
3	Resolution	Min VGA (640 x 480) or better
4	Depth of field	min 10 inch for 20 mil QR code for ease of scanning from stand
	Symbology	PDF417, MicroPDF417, Data Matrix, Maxi-code, QR Code, Microarc, Aztec. Support most 1D and 2D Symbologist.
5	Reading Precision	>=4 Mil
6	Roll Tolerance/Skew/Pitch	Roll Pitch Yaw 0 - 360° ± 65° or greater ± 60° or greater
	Print Contrast	min 25%
7	Interface	USB
8	Indication	Beep and LED
	Power	Scanner should be powered by USB port. No separate Adaptors should be needed

9	Operating Temperature	0 to 50 degrees Celsius
10	Storage Temperature	-20 to 70 degrees Celsius
	Humidity	5% to 95% (non -Condensing)
11	Drop	Multiple drops at 1.5 meter to concrete
12	IP Sealing	Min IP42
	Warranty	5 years OEM certified Warranty
13	Electrical Safety	UL certification recommended
14	LED Safety	IEC certification recommended
	Environmental	RoHS, BIS approved, STQC Approved
15	OEM Service	OEM should have an ISO certified Service centers in India operational min 5 years

## 6. Web Camera

SI No	Item	Description of Requirement/ Specifications
1	Interface	USB
2	Type of camera image sensor	CMOS
3	Lens	5P high quality lens
4	Resolution	1280x720 progressive signal
5	Frame rate	30 fps
6	Zoom Range Digital	5X
7	Field Of View Degree	60
8	Integrated Speaker	Yes
9	Operating Temperature Range (Degree C)	40
10	Operating humidity (Rh %)	90
11	Cable length	4 feet or more
12	LED Indication	Yes
13	Warranty & Support	1-year On-site OEM Warranty

## 7. Head-Phone

SI No	Item	Description of Requirement/ Specifications
1	Head Phone Type	On the ear/Over the head design/ adjustable
2	Sound	hi-fi Stereo
3	Frequency response	20-20k Hz
4	Connectivity type	Wired 3.5 mm
5	Microphone	Yes, with mic stick/ adjustable
6	Driver Size	40 mm
7	Speaker Impedance	25 $\Omega$ or more
8	Sensitivity	100 dB
9	Cable Length	2 meter or more
10	Compatible with	Desktop/Laptop
11	Driver software	Plug and play
12	Active Noise Cancellation	Yes

13	Ear pads	Yes
14	Warranty & Support	1-year On-site OEM Warranty

### 8. Electric Power Extension Board

SI No	Item	Description of Requirement/ Specifications
1	Type	Power Strip
2	No. Of Outlets	3 Socket with individual switch
3	Conductor material	Copper only
4	Wire gauge	16
5	Nominal Current	7A
6	Rated Current	10A
7	Voltage Range	220-240
8	Nickel Plating	Yes
9	Frequency	50-60Hz
10	Power cable length	2-3 m depending upon place of installation
11	Power indicator light	Yes
12	Flame retardant plastic	Yes
13	Warranty	1 Year

### Network Active components Specifications

#### 1. Network Router

SI No	Item	Description of Requirement/ Specifications
1	Memory	Flash Memory should be minimum of 256Mb.
		Min. RAM .512Mb.
		Minimum 800Kpps packet forwarding performance
2	Interface	Router should have at least two 10/100/1000M Gigabit routable WAN Ethernet ports and one 10/100/1000M Gigabit LAN Ethernet port.
		Router should have one console port
		Router should have one Auxiliary port
		Router Should support Frame Relay Protocol
		Router Should support X.25 Protocol
		Router Should support LAPB Protocol
		Router Should support PPP Protocol

		Router Should support PPPOE(Server/Client) Protocol
		Router Should support HDLC Protocol
		Router Should support ISDN
		Router Should support X.25-TCP
3	Software	Router Should support 802.1q Protocol
		Router Should support MPLS Protocol
		Router Should support DLSW-SSP Protocol
		Router Should support ARP & Proxy ARP
		Router Should support DNS & DNS Proxy
		Router Should support NAT
		Router Should Support ICMP & IGMP
		Router Should Support DHCP (Server/Client/relay)
		Router Should Support IP Multicast
		Router Should Support PIM-DM/SM
4	Routing	Router should support Static Routing
		Router Should Support RIP
		Router Should Support OSPF
		Router Should Support EIGRP or Equivalent
		Router Should Support BGP-4
		Router Should Support DDR
		Router Should Support PBR
		Router Should Support DVMRP
5	Security	Router Should Support AAA Radius
		Router Should Support TACACS+
		Router Should Support Firewall
		Router Should Support L2TP, PPTP,GRE,IPSEC,IKE & MPLS VPN
		Router Should Support VLAN
6	Reliability	Router should support port backup
		Router Should support HSRP or Equivalent
7	QoS	Router Should Support FIFO, PQ, CQ, CBWFQ, WFQ, RED, WRED, DSCP
		Router Should Support IP Precedence

		Router Should Support RTS, RSVP & CAR
8	Network Management	Router Should Support SNMP V1/2/3
		Router Should Support RMON
		Router Should Support Console Access
		Router Should Support Telnet Access
		Router Should Support TFTP for firmware upgrade
9	Physical & Environment	Router Should be able to work in minimum 0 to 40' C temperature
		Rack Mounting enclosures should be supplied along with Router
10	Warranty	5 years on-site NBD

## 2. 24 Port Gigabit Ethernet Port Edge Switch

SI No	Item	Description of Requirement/ Specifications
1	Interface Options	The switch should have Minimum 24*100/1000 T (Gigabit) Ethernet Ports + 2 or more x 1G SFP+ ports. Should be ready from day 1, loaded with relevant modules.
		1 Console Port
2	Architecture	Single Switch should provide Non-Blocking Wire speed
		The switch should have 40Gbps stacking bandwidth
		Should have 512 MB RAM or higher
		Switch should support at least 2000 concurrent VLANs or higher
		Must support STP/PVST or equivalent
		64-Byte Packet Forwarding Rate: 95Mpps or higher;
		MAC Address Table Size: 24K or higher
3	Security	802.1x with VLAN assignment, Private VLAN edge
		RADIUS, TACACS+
		Port based ACLs, SSH v1 or higher, Secured Passwords
		RADIUS Authentication
4	Spanning Tree	Should support Multiple Spanning Tree (802.1s), Rapid Spanning Tree (802.1w),
5	Multicast	IGMP v1, v2, v3

6	Clients	CLI, Browser-based client, SSH, or Telnet
7	Protocols	SNMP v1, v2c, v3, RMON,9K Jumbo Frames, 802.3X Flow Control
8	Certification	EMI/EMC: FCC Class A, VCCI Class A or equivalent
9	Temperature	operating: 0° C to + 40° C (minimum)
10	Enclosure & Accessories	Rack Mounting enclosures and other accessories for mounting.
11	Warranty & Support	3 Years Comprehensive Warranty on Hardware & Software. Warranty on Software should include access to Free Upgrades & Free Updates.

### 3. Wi-Fi Access Point

SI No	Item	Description of Requirement/ Specifications
1	Interfaces	Wireless access point should support IEEE 802.11a/b/g/n/ac and should be wave-2 ready from day-1, 2.4GHz and 5 GHz concurrent operations. It should have dual antenna and minimum 3x3 MIMO with 3 spatial stream configurations on 5GHz.
2	Bandwidth	1500 Mbps or higher
3	Ports	Minimum 1 x LAN 100/100 port or Higher It should allow concurrent sensing on 2.4 GHz and 5.0 GHz.
4	Security	It should support WEP and WPA2 enterprise-class strong security with RADIUS and certificate authentication.
5	Encryption	It should support Encryption 64-bits & 128 bits
	Management	It should support Dynamic channel management.
6	Protocol Support	It should support 802.11b: 1,2,5.5,6,9,11,12,18,24,36,48, and 54Mbps 802.11a: 6,9,12,18,24,36,48, and 54Mbps,802.11n: up to 300Mbps data rate.
7	Standards	It should be of 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac network standard.



	Antenna	Omni-directional antennas (attached/integrated), Minimum 5 dBi in 2.4GHz and minimum 7 dBi in 5GHz
8	PoE	It should be Auto-sensing 10/100/1000 Ethernet PoE with standard 802.3af and should have console access
9	Compliance	It should have Regulatory Certification IEC 60950, IEC 60950- 1/WEE/ROHS. The Max transit power of the AP + Antenna should be as per WPC norms for indoor Access Points. OEM to give an undertaking letter stating that the AP will configure as per WPC guidelines for indoor AP and also submit the WPC certificate showing approval.
10	Operational	Must support remote login with Telnet or SSH login to Aps directly for troubleshooting flexibility
		AP must be offered with required controller software/hardware. AP must support operation in stand-alone or with-controller.
		SCB Medical college has existing WLAN controller with WLAN AP. Bidders have to offer additional licenses as needed for the existing WLAN controller for the WLAN AP quantity quoted for SCB.

#### 4. Wi-Fi Adaptor for Desktop

SI No	Item	Description of Requirement/ Specifications
1	Feature/ Description	Description of Requirement/ Specifications
2	Interface	USB
3	Supported Speed	150 Mbps
4	Security Support	WFA WPA/WPA2 personal, WPS2.0, WAPI
5	Supported OS	All Windows/ MAC /Linux
6	Signal Support	802.11 b/g/n
7	Product Dimension	< 20 x 7.6 x 25.5 mm (W x D x H)
8	Driver software	In-Built/ Plug & Play
9	Warranty	1 year

## Specifications of Passive Networking Components

### 1. Category 6 UTP Cable (Mts.)

SI No	Item	Description of Requirement/ Specifications
1	Features	4 Pair with ETL test report for channel and zero-bit error -All UTP Components should be from the same OEM.
		The OEM should be ISO 9001:2000 Certification for Design, development, Manufacturing of copper & fiber cables and components. Also, to furnish the
		documentary proof.
		In the changing needs of the global resources if the company has environmental management systems in place like ISO 14001 accreditation the same shall be added advantage.
		The cabling should be certified to have application support warranty for next 25 years or higher.
		Category 6 Unshielded Twisted Pair 4 pair with ANSI/TIA/EIA-568-B.
		Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP Non-Plenum cable jacket.
		4 pair Category 6 Unshielded Twisted Pair cable shall be UL Listed
		The Cable should be UL listed, ETL Certified, EIA/TIA 568-C.2.
		All Category 6 cables shall meet or exceed the following characteristics:
2	Mechanical	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.
		Conductor Solid Copper
3	Characteristics	Conductor Diameter 0.574mm (23 AWG)
		NPV :65%, D.C. Resistance: 9.38 ohm/100m

		Insulator Polyolefin or polyethylene
		Characterized up to minimum 600Mhz. Should be highlighted in the product data sheet. The Cable should be CM Rated.
		Jacket Fire retardant PVC
		Outer Diameter >= 6.2mm
		Max. Operating Temp 60°C and Storage Temp 75°C.

## 2. 12/9 U Network Racks For N/W Edge Switch

SI No	Item	Description of Requirement/ Specifications
1	Features	Wall Mount Enclosure, Single Section (CRCA Steel Frame with following items: - Top cover with cable entry- 1no. Bottom cover with cable entry -1no. Angles – 2 pairs - Front Glass Door, 19" rack, minimum 500 mm depth, 9U height, and Front glass door, lockable, PDU with 6 power Points (1 No.), Min 3 Tray, Hardware mounting packets: 2 Packets (Pack of 10), other accessories like air circulation fan, cable manager, etc.

## 3. UTP Patch Cord Cat 6 UTP 3 Ft

SI No	Item	Description of Requirement/ Specifications
1	Features	Category 6 Equipment cords (Length – 3 ft.)
		The work area equipment cords shall, at a minimum, comply with proposed ANSI/TIA/EIA-568-B Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100 Category 6 Cabling.

		<p>Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332- 1, IEC 61034)</p> <p>Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.</p> <p>Should have 50 micro inches of gold plating over nickel contacts.</p> <p>Modular cords should include a molded strain relief boot.</p> <p>Should be covered by ETL verification program for compliance with TIA 568B.2-1. Certificate to be submitted with bid.</p>
2	Mechanical-Cable	<p>Conductor size: 24 AWG stranded bare copper</p> <p>Max O.D.: 5.9mm</p> <p>Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)</p> <p>Temperature range: -20oC to +60oC</p>
3	Mechanical	Operating life: Minimum 750 insertion cycles
4	Characteristics-Plug	<p>Contact material: Copper alloy</p> <p>Contact plating: 50μ” Gold/100μ” Nickel</p> <p>Plug dimensions &amp; tolerances compliant with FCC Part 68 and IEC 60603-7</p> <p>Approvals: UL</p> <p>Max voltage: 150 VAC (max)</p>
5	Electrical	Max current: 1.5A @ 25oC
6	Characteristics -Plug	Operating temperature: -40oC to 75oC

#### 4. UTP Patch Cord 6 UTP 7 Ft

SI No	Item	Description of Requirement/ Specifications
1	Features	Category 6 Equipment cords (Length – 7 ft.)

2	Mechanical – Cable	The work area equipment cords shall, at a minimum comply with proposed ANSI/TIA/EIA-568-B.2-1 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100Category 6 Cabling.
		Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332-1, IEC 61034)
		Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.
		Should have 50 micro inches of gold plating over nickel contacts
		Modular cords should include a molded strain relief boot.
		Should be covered by ETL verification program for compliance with TIA 568B.2-1. Certificate to be submitted with bid.
		Conductor size: 24 AWG stranded bare copper
3	Mechanical	Max O.D.: 5.9mm
		Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)
		Temperature range: -20°C to +60°C
		Operating life: Minimum 750 insertion cycles
4	Characteristic -Plug	Contact material: Copper alloy
		RJ45 plug and boot material: Clear polycarbonate
		Contact plating: 50µ” Gold/100µ” Nickel
		Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7
		Approvals: UL
5	Electrical	Max voltage: 150 VAC (max)
6	Characteristic -Plug	Max current: 1.5A @ 25oC
		Operating temperature: -40oC to 75oC

## 5. PVC Conduit pipe for Cat-6 cable

SI No	Item	Description of Requirement/ Specifications
1	Features	ISI Standard
		PVC Conduit pipe for Cat-6 cable (PYC 30 x 25 mm), (PYC 15 x 15 mm) & (PYC 45 x 25 mm) / PVC Conduit/ Baton/ Flexi (1”/ 2”/ 4”)

## Internet Connection

### Primary Internet Connection to SDC

## UPS & Electrical Infrastructure Specifications

### 1. 1 KVA Line Interactive UPS

SI No	Item	Description of Requirement/ Specifications
1	Output Power Capacity	600 Watts / 1000 VA
2	Nominal Output Voltage	230V +/- 10%
3	Efficiency at Full Load	80% or better
4	Output Frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
5	Waveform Type	Stepped approximation to a Sine wave
6	Output Connections	(2) India 3-pin 6A (Surge Protection) (4) India 3-pin 6A (Battery Backup)
7	Efficiency at Half Load	84% or better
8	Bypass	Inbuilt Bypass
9	Nominal Input Voltage	150 - 280V
10	Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
11	Input Connections	India 3-pin 6A
12	Power Cord Length	1.52 meters
13	Input voltage range for main operations	150 - 280V @ 100% load
14	Battery Type	Maintenance free sealed Lead acid battery leak proof
15	No. of batteries	As per req. 12V – 9AH
16	Operating Environment	0 - 40 °C
17	Operating Relative Humidity	0 - 95%
18	Operating Elevation	0-3000 meters
19	Storage Temperature	-15 - 45 °C
20	Storage Relative Humidity	0 - 95%
21	Storage Elevation	0-15000 meters
22	Audible noise	<45.00 dBA
23	Standard Warranty	5 years repair or replace
24	Environment Compliance	REACH: Contains No SVHCs
25	Interface Port(s)	USB connectivity to manage UPS

26	Indicator	Multi-function LCD status and control console
27	Monitoring	UPS should have advance monitoring software in CD media with USB compatible connectivity with desktop including required proper interface cable.
28	Audible Alarm	Alarm when on battery: distinctive low battery alarm: overload
29	Backup	Min 20 Mints on full load

#### Annexure-IV: Eligibility Criteria & Technical Specifications Checklist

##### (a) Eligibility Criteria

<i>Sl. No.</i>	<i>Eligibility Criteria</i>	<i>Document Proof</i>	<i>Compliance (Y/N)</i>
1	The bidder should be registered under the companies’ act, 2013 or should be a proprietorship firm or Limited Liability Partnership and should be in operation for a period of at least 3 years as on date of publication of this notice.	Copy of: a. Certificate of Incorporation/Shops & Commercial establishment Certificate/Any other relevant certificate to proof the year of establishment b. PAN card c. GST registration certificate	
2	Average annual turnover of the bidder during last three years shall be at least INR Thirty (30) lakhs.	CA Certificate for Turnover having UDIN along with Copy of Audited financial statements of last 3 years. (FY 17-18, FY 18-19 and FY 19-20)	
3	The bidder should have a registered office in India	Certificate of establishment/ incorporation	
4	Tender Document Fee	DD drawn from a schedule bank in favor of RSCL (Smart City Mission Grant Fund) payable at Rourkela	
5	EMD/Bid Security	Bid Security Declaration as per Annex VII	

**(b) Technical Specification Compliance**

**Computer and Peripheral  
1. Destop Computer**

**Make& Model : (Bidder to Specify )**

Category	Feature/ Description /Parameter	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
Processor	Processor Make	AMD Intel, AMD			
	Generation	9.0 Or higher			
	Number of Cores per Processor	4 Or higher			
	Processor Base Frequency (GHz)	3.0 or higher			
	Processor Description	Intel Core i5, AMD Ryzen 5			
	Processor Number	Intel Core i5 9600 or higher, AMD Ryzen 5 PRO 3400G Or higher			
	Cache (MB)	4 or higher			
Motherboard	Chipset Series	Intel H Series, Intel B Series, AMD B Series, AMD Pro Series			
	Expansion Slots (PCIe x 1) (Number)	1			
	Chipset Number	Intel H370/470, Intel B 365, AMD B500, AMD PRO 500 Or higher			
	Expansion Slots (PCIe x 4) (Number)	0			
	Expansion Slots (PCIe x 16) (Number)	1			
	Expansion Slots (PCI) (Number)	1			
	Expansion Slots (M Dot 2)	1			
Graphics	Graphics Type	Integrated			
Operating System	Operating System (Factory Pre- Loaded)	Windows 10 Professional			
	Recovery Image Media	CD from the OEM, Stored in Partition of the Hard Disk, USB Drive from the OEM, On Line / Cloud			
	OS Certification	Windows			
Memory	Type of RAM	DDR4			
	RAM Size (GB)	8			
	RAM Speed (MHz)	2666			
	Total Numbers of DIMM Slots Available	2			
	Number of DIMM Slots populated	1			
	RAM Expandability up to (using spare DIMM Slots in GB)	32			
Storage	Total Number of Internal Bays available	1			



	Number of 2 point 5 inches internal Bays	0			
	Number of 3 point 5 inches Internal Bays	1			
	Number of 2 point 5 Inches Internal Bays Populated	0			
	Number of 3 point 5 Inches Internal Bays Populated	1			
	Type of Drives used to populate the Internal Bays	HDD			
	Number of Internal Bays populated with HDD	1			
	Capacity of each HDD (GB)	1000 @7200 rpm			
	Total HDD Capacity (GB)	1000			
	Cabinet	SFF ( 7 to 13 Liters), Tower (13.1 to 26 Liters)			
	Cabinet Volume (Litres)	7-26			
	External Bays (Number)	1			
	Optical Drive	DVD R/W			
	Internal Speaker	Yes			
	Audio-in	Yes			
	Audio-out	Yes			
	Headphone out	Yes			
	Microphone in	Yes			
Connectivity	Wireless Connectivity and Bluetooth	Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, Bluetooth			
		4.2 or higher			
	Number of Ethernet Ports	1			
	Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port			
Ports	Number of USB Version 2 Point 0 Ports	4			
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	4			
	Number of Serial Ports	1			
	Number of VGA Ports	1			
	Number of HDMI Ports	1			
Monitor	Monitor Technology	TN, IPS			
	LED Backlit Monitor Size (INCHES)	21.5			
	Monitor Resolution (PIXELS)	1600x900, 1920x1080			
	TCO Certification for Monitor	7.0, 8.0, Or higher			
	Number of VGA Ports in the Monitor	0/1			
	Number of HDMI Ports in the Monitor	1			
Power	Minimum Power Efficiency Range (%)	90 - 94, 95 & above Or higher			
Certification	ROHS Compliance	Yes			

Inpute Device	BEE / Energy Star for the given Model	Yes			
	Mouse Connectivity	Wired			
	Type of Mouse	Optical Scroll			
	Keyboard Connectivity	Wired			
	Type of Keyboard	Standard			
Warnty	On Site OEM Warranty (Year)	3			

## 2. Tablet

### Make & Model (Bider ro Specify)

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Operating System support	Android 10.0 Or latest			
2	Camera	Camera Front Facing 5.0 MP			
3	Display	TFT			
4	Display resolution	1280 x 800 (WXGA) or higher			
5	Screen Size	8" or higher			
6	Internal Modem	2G,3G,4G			
7	Wi-Fi	802.11 b/g/n, 2.4+5GHz			
8	Processor	Minimum 1.4 GHz, Quad-Core or better			
9	USB	Yes			
10	Bluetooth	Bluetooth v4.2 or above			
11	Battery Type	5000 mAh or above			
12	Internet Usage Time (Wi-Fi) (Hours)	Up to 15 Hours			
13	External Memory	Up to 256GB			
14	System Flash Memory	16 GB			
15	Weight	364 Weight (g) Maximum			
16	RAM	Minimum 2 GB or more			
17	Warranty (in Years)	5 Years NBD On-site OEM Warranty			

## 3.Laser Printer

### Make& Model : (Bidder to Specify )

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Print Technology	Laser			
2	Print Color	Monochrome			
3	Print Speed	28 ppm forA4 or higher			
4	Resolution	Min. 00x600dpi ( 1200x1200 desired)			
5	Tray Capacity	Input: 250 Sheets; Output: 100Sheets			
6	Paper Size	A4			
7	Paper tray	2			
8	Duplex	Manual and Automatic			

9	Interface	Hi-Speed USB 2.0/3.0 or better			
10	Duty Cycle /month	30000 Pages or Higher			
11	Energy Certification	Should be Energy Star / BEE Certified			
12	Supported OS	Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, Mac OS X v10.10, Linux and all latest flavors of Windows and Linux			
13	Warranty	5-year comprehensive on-site warranty			
14	First Page out Speed	< 6.5 seconds or better			
15	Energy Saving	Auto Sleep /Wake-up			
16	Power	Power Cable / 220 V AC 3-Pin Indian Plug			

**4.Bar Code Printer**

**Make& Model : (Bidder to Specify )**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Printer Type	Direct Thermal / Thermal Transfer			
2	Memory	Memory Flash SD RAM 8MB or Higher			
3	Print Methods	Direct thermal and thermal transfer, Printing of barcodes, text and graphics.			
4	Resolution	203 dpi/8 dots per mm			
5	Memory	8 MB Flash, 8 MB SDRAM (standard)			
6	Print Width	4.09"/104 mm			
7	Print Length	39"/990 mm			
8	Print Speed	5"/125 mm per second			
9	Weight	<=5KGs			
10	Sensors	Transmissive sensors & movable reflective sensor to handle different sizes and types of media like wristbands			
11	Drivers	Win 7,8 and 10			
12	Operating temperature	40° F/5° C to 105° F/41° C			
13	Communication and Interface Capabilities	Centronics parallel, USB and Serial			
14	Ribbon length	300 M, OD 25mm			
15	Input	100-240 VAC, 50-60 Hz			
16	Certification	BIS for printer and adaptor			
17	Drivers	Microsoft certified Drivers for Windows 7, Windows 8.x, Windows 10 and Windows Server platform			
18	Energy star	Printer should be energy star qualified			

19	Warranty	5 Years OEM certified Onsite comprehensive including Print- head			
20	OEM Service	OEM should have min 5 ISO certified Service center in India			
<b>5. Bar Code/QR Code Scanner</b>					
<b>Make&amp; Model : (Bidder to Specify )</b>					
SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Technology	Digital imager 2D Barcode scanner			
2	Hands free operation	Scanner should operate in hands free mode when placed on stand. Scanner should auto trigger when a barcode is presented			
3	Resolution	Min VGA (640 x 480) or better			
4	Depth of field	min 10 inch for 20 mil QR code for ease of scanning from stand			
	Symbology	PDF417, MicroPDF417, Data Matrix, Maxi-code, QR Code, Microarc, Aztec. Support most 1D and 2D Symbologist.			
5	Reading Precision	>=4 Mil			
6	Roll Tolerance/Skew/Pitch	Roll Pitch Yaw 0 - 360° ± 65° or greater ± 60° or greater			
	Print Contrast	min 25%			
7	Interface	USB			
8	Indication	Beep and LED			
	Power	Scanner should be powered by USB port. No separate Adaptors should be needed			
9	Operating Temperature	0 to 50 degrees Celsius			
10	Storage Temperature	-20 to 70 degrees Celsius			
	Humidity	5% to 95% (non - Condensing)			
11	Drop	Multiple drops at 1.5 meter to concrete			
12	IP Sealing	Min IP42			
	Warranty	5 years OEM certified Warranty			
13	Electrical Safety	UL certification recommended			
14	LED Safety	IEC certification recommended			
	Environmental	RoHS, BIS approved, STQC Approved			
15	OEM Service	OEM should have an ISO certified Service centers in India operational min 5 years			

**6. Web Camera**

**Make& Model : (Bidder to Specify )**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Interface	USB			
2	Type of camera image sensor	CMOS			
3	lens	5P high quality lens			
4	Resolution	1280x720 progressive signal			
5	Frame rate	30 fps			
6	Zoom Range Digital	5X			
7	Field Of View Degree	60			
8	Integrated Speaker	Yes			
9	Operating Temperature Range (Degree C)	40			
10	Operating humidity (Rh %)	90			
11	Cable length	4 feet or more			
12	LED Indication	Yes			
13	Warranty & Support	1-year On-site OEM Warranty			

**7. Head-Phone**

**Make& Model : (Bidder to Specify )**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Head Phone Type	On the ear/Over the head design/ adjustable			
2	Sound	hi-fi Stereo			
3	Frequency response	20-20k Hz			
4	Connectivity type	Wired 3.5 mm			
5	Microphone	Yes, with mic stick/ adjustable			
6	Driver Size	40 mm			
7	Speaker Impedance	25 Ω or more			
8	Sensitivity	100 dB			
9	Cable Length	2 meter or more			
10	Compatible with	Desktop/Laptop			
11	Driver software	Plug and play			
12	Active Noise Cancellation	Yes			
13	Ear pads	Yes			
14	Warranty & Support	1-year On-site OEM Warranty			

**8.Electric Power Extension Board**

**Make& Model : (Bidder to Specify )**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Type	Power Strip			
2	No. Of Outlets	3 Socket with individual switch			
3	Conductor material	Copper only			
4	Wire gauge	16			
5	Nominal Current	7A			

6	Rated Current	10A			
7	Voltage Range	220-240			
8	Nickel Plating	Yes			
9	Frequency	50-60Hz			
10	Power cable length	2-3 m depending upon place of installation			
11	Power indicator light	Yes			
12	Flame retardant plastic	Yes			
13	Warranty	1 Year			

**Network Active components Specifications**

**1. Network Router**

**Make and Model : (Specify to Bidder )**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Memory	Flash Memory should be minimum of 256Mb.			
		Min. RAM .512Mb.			
		Minimum 800Kpps packet forwarding performance			
2	Interface	Router should have at least two 10/100/1000M Gigabit routable WAN Ethernet ports and one 10/100/1000M Gigabit LAN Ethernet port.			
		Router should have one console port			
		Router should have one Auxiliary port			
		Router Should support Frame Relay Protocol			
		Router Should support X.25 Protocol			
		Router Should support LAPB Protocol			
		Router Should support PPP Protocol			
		Router Should support PPPOE(Server/Client) Protocol			
		Router Should support HDLC Protocol			
		Router Should support ISDN			
		Router Should support X.25-TCP			
3	Software	Router Should support 802.1q Protocol			
		Router Should support MPLS Protocol			
		Router Should support DLSW-SSP Protocol			

		Router Should support ARP & Proxy ARP			
		Router Should support DNS & DNS Proxy			
		Router Should support NAT			
		Router Should Support ICMP & IGMP			
		Router Should Support DHCP (Server/Client/relay)			
		Router Should Support IP Multicast			
		Router Should Support PIM-DM/SM			
4	Routing	Router should support Static Routing			
		Router Should Support RIP			
		Router Should Support OSPF			
		Router Should Support EIGRP or Equivalent			
		Router Should Support BGP-4			
		Router Should Support DDR			
		Router Should Support PBR			
		Router Should Support DVMRP			
5	Security	Router Should Support AAA Radius			
		Router Should Support TACACS+			
		Router Should Support Firewall			
		Router Should Support L2TP, PPTP, GRE, IPSEC, IKE & MPLS VPN			
		Router Should Support VLAN			
6	Reliability	Router should support port backup			
		Router Should support HSRP or Equivalent			
7	QoS	Router Should Support FIFO, PQ, CQ, CBWFQ, WFQ, RED, WRED, DSCP			
		Router Should Support IP Precedence			
		Router Should Support RTS, RSVP & CAR			
8	Network Management	Router Should Support SNMP V1/2/3			
		Router Should Support RMON			
		Router Should Support Console Access			
		Router Should Support Telnet Access			

		Router Should Support TFTP for firmware upgrade			
	Physical & Environment	Router Should be able to work in minimum 0 to 40' C temperature			
9		Rack Mounting enclosures should be supplied along with Router			
10	Warranty	5 years on-site NBD			

**2. 24 Port Gigabit Ethernet Port Edge Switch**

**Make & Model: Bidder to Specify**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Interface Options	The switch should have Minimum 24*100/1000 T (Gigabit) Ethernet Ports + 2 or more x 1G SFP+ ports. Should be ready from day 1, loaded with relevant modules.			
		1 Console Port			
2	Architecture	Single Switch should provide Non-Blocking Wire speed			
		The switch should have 40Gbps stacking bandwidth			
		Should have 512 MB RAM or higher			
		Switch should support at least 2000 concurrent VLANs or higher			
		Must support STP/PVST or equivalent			
		64-Byte Packet Forwarding Rate: 95Mpps or higher;			
		MAC Address Table Size: 24K or higher			
3	Security	802.1x with VLAN assignment, Private VLAN edge			
		RADIUS, TACACS+			
		Port based ACLs, SSH v1 or higher, Secured Passwords			
		RADIUS Authentication			
4	Spanning Tree	Should support Multiple Spanning Tree (802.1s), Rapid Spanning Tree (802.1w),			
5	Multicast	IGMP v1, v2, v3			
6	Clients	CLI, Browser-based client, SSH, or Telnet			
7	Protocols	SNMP v1, v2c, v3, RMON, 9K Jumbo Frames, 802.3X Flow Control			



8	Certification	EMI/EMC: FCC Class A, VCCI Class A or equivalent			
9	Temperature	operating: 0° C to + 40° C (minimum)			
10	Enclosure & Accessories	Rack Mounting enclosures and other accessories for mounting.			
11	Warranty & Support	3 Years Comprehensive Warranty on Hardware & Software. Warranty on Software should include access to Free Upgrades & Free Updates.			

**3. Wi-Fi Access Point**

**Make & Model : ( Bidder to Specify)**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Interfaces	Wireless access point should support IEEE 802.11a/b/g/n/ac and should be wave-2 ready from day-1, 2.4GHz and 5 GHz concurrent operations. It should have dual antenna and minimum 3x3 MIMO with 3 spatial stream configurations on 5GHz.			
2	Bandwidth	1500 Mbps or higher			
3	Ports	Minimum 1 x LAN 100/100 port or Higher			
		It should allow concurrent sensing on 2.4 GHz and 5.0 GHz.			
4	Security	It should support WEP and WPA2 enterprise-class strong security with RADIUS and certificate authentication.			
5	Encryption	It should support Encryption 64-bits & 128 bits			
	Management	It should support Dynamic channel management.			
6	Protocol Support	It should support 802.11b: 1,2,5.5,6,9,11,12,18,24,36,48, and 54Mbps 802.11a: 6,9,12,18,24,36,48, and 54Mbps,802.11n: up to 300Mbps data rate.			
7	Standards	It should be of 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac network standard.			

	Antenna	Omni-directional antennas (attached/integrated), Minimum 5 dBi in 2.4GHz and minimum 7 dBi in 5GHz			
8	PoE	It should be Auto-sensing 10/100/1000 Ethernet PoE with standard 802.3af and should have console access			
	Compliance	It should have Regulatory Certification IEC 60950, IEC 60950- 1/WEE/ROHS. The Max transit power of the AP + Antenna should be as per WPC norms for indoor Access Points. OEM to give an undertaking letter stating that the AP will configure as per WPC guidelines for indoor AP and also submit the WPC certificate showing approval.			
9	Operational	Must support remote login with Telnet or SSH login to Aps directly for troubleshooting flexibility			
10		AP must be offered with required controller software/hardware. AP must support operation in stand-alone or with-controller.			
11		SCB Medical college has existing WLAN controller with WLAN AP. Bidders have to offer additional licenses as needed for the existing WLAN controller for the WLAN AP quantity quoted for SCB.			

**4. Wi-Fi Adaptor for Desktop**

**Make & Model : ( Bidder to Specify )**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Feature/ Description	Description of Requirement/ Specifications			
2	Interface	USB			
3	Supported Speed	150 Mbps			
4	Security Support	WFA WPA/WPA2 personal, WPS2.0, WAPI			
5	Supported OS	All Windows/ MAC /Linux			
6	Signal Support	802.11 b/g/n			
7	Product Dimension	< 20 x 7.6 x 25.5 mm (W x D x H)			
8	Driver software	In-Built/ Plug & Play			
9	Warranty	1 year			

**3.Specifications of Passive Networking Components**

**1. Category 6 UTP Cable (Mts.)**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Features	4 Pair with ETL test report for channel and zero-bit error -All UTP Components should be from the same OEM.			
		The OEM should be ISO 9001:2000 Certification for Design, development, Manufacturing of copper & fiber cables and components. Also, to furnish the			
		documentary proof.			
		In the changing needs of the global resources if the company has environmental management systems in place like ISO 14001 accreditation the same shall be added advantage.			
		The cabling should be certified to have application support warranty for next 25 years or higher.			
		Category 6 Unshielded Twisted Pair 4 pair with ANSI/TIA/EIA-568-B.			
		Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP Non-Plenum cable jacket.			
		4 pair Category 6 Unshielded Twisted Pair cable shall be UL Listed			
		The Cable should be UL listed, ETL Certified, EIA/TIA 568-C.2.			
		All Category 6 cables shall meet or exceed the following characteristics:			
2	Mechanical	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.			
3	Characteristics	Conductor Solid Copper			
		Conductor Diameter 0.574mm (23 AWG)			
		NPV :65%, D.C. Resistance: 9.38 ohm/100m			

		Insulator Polyolefin or polyethylene			
		Characterized up to minimum 600Mhz. Should be highlighted in the product data sheet. The Cable should be CM Rated.			
		Jacket Fire retardant PVC			
		Outer Diameter >= 6.2mm			
		Max. Operating Temp 60°C and Storage Temp 75°C.			

**2. 12/9 U Network Racks For N/W Edge Switch**

**Make & Model (Bidder to Specify)**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Features	Wall Mount Enclosure, Single Section (CRCA Steel Frame with following items: - Top cover with cable entry- 1no. Bottom cover with cable entry -1no. Angles – 2 pairs - Front Glass Door, 19" rack, minimum 500 mm depth, 9U height, and Front glass door, lockable, PDU with 6 power Points (1 No.), Min 3 Tray, Hardware mounting packets: 2 Packets (Pack of 10), other accessories like air circulation fan, cable manager, etc.			

**3. UTP Patch Cord Cat 6 UTP 3 Ft**

**Make & Model (Bidder to Specify)**

SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
		Category 6 Equipment cords (Length – 3 ft.)			
1	Features	The work area equipment cords shall, at a minimum, comply with proposed ANSI/TIA/EIA-568-B Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100 Category 6 Cabling.			

		Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332- 1, IEC 61034)			
		Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.			
		Should have 50 micro inches of gold plating over nickel contacts.			
		Modular cords should include a molded strain relief boot.			
		Should be covered by ETL verification program for compliance with TIA 568B.2-1. Certificate to be submitted with bid.			
2	Mechanical-Cable	Conductor size: 24 AWG stranded bare copper			
		Max O.D.: 5.9mm			
		Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)			
		Temperature range: -20oC to +60oC			
3	Mechanical	Operating life: Minimum 750 insertion cycles			
4	Characteristics-Plug	Contact material: Copper alloy			
		Contact plating: 50µ” Gold/100µ” Nickel			
		Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7			
		Approvals: UL			
		Max voltage: 150 VAC (max)			
5	Electrical	Max current: 1.5A @ 25oC			
6	Characteristics -Plug	Operating temperature: -40oC to 75oC			
<b>4. UTP Patch Cord 6 UTP 7 Ft</b>					
<b>Make &amp; Model :( Bidder to Specify )</b>					
SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Features	Category 6 Equipment cords (Length – 7 ft.)			

2	Mechanical – Cable	The work area equipment cords shall, at a minimum comply with proposed ANSI/TIA/EIA-568-B.2-1 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100Category 6 Cabling.			
		Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332-1, IEC 61034)			
		Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.			
		Should have 50 micro inches of gold plating over nickel contacts			
		Modular cords should include a molded strain relief boot.			
		Should be covered by ETL verification program for compliance with TIA 568B.2-1. Certificate to be submitted with bid.			
3	Mechanical	Conductor size: 24 AWG stranded bare copper			
		Max O.D.: 5.9mm			
		Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)			
		Temperature range: -20°C to +60°C			
4	Characteristic -Plug	Contact material: Copper alloy			
		RJ45 plug and boot material: Clear polycarbonate			
		Contact plating: 50µ” Gold/100µ” Nickel			
		Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7			
		Approvals: UL			
5	Electrical	Max voltage: 150 VAC (max)			
6	Characteristic -Plug	Max current: 1.5A @ 25oC			

		Operating temperature: -40oC to 75oC			
<b>5. PVC Conduit pipe for Cat-6 cable</b>					
<b>Make &amp; Made :(Bidder to Specify )</b>					
SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Features	ISI Standard			
		PVC Conduit pipe for Cat-6 cable (PYC 30 x 25 mm), (PYC 15 x 15 mm) & (PYC 45 x 25 mm) / PVC Conduit/ Baton/ Flexi (1”/ 2”/ 4”)			
<b>UPS &amp; Electrical Infrastructure Specifications</b>					
<b>1. 1 KVA Line Interactive UPS</b>					
SI No	Item	Description of Requirement/ Specifications	Compliance	Deviation (If any)	Proposed Make & Model
1	Output Power Capacity	600 Watts / 1000 VA			
2	Nominal Output Voltage	230V +/- 10%			
3	Efficiency at Full Load	80% or better			
4	Output Frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1			
5	Waveform Type	Stepped approximation to a Sine wave			
6	Output Connections	(2) India 3-pin 6A (Surge Protection) (4) India 3-pin 6A (Battery Backup)			
7	Efficiency at Half Load	84% or better			
8	Bypass	Inbuilt Bypass			
9	Nominal Input Voltage	150 - 280V			
10	Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)			
11	Input Connections	India 3-pin 6A			
12	Power Cord Length	1.52 meters			
13	Input voltage range for main operations	150 - 280V @ 100% load			
14	Battery Type	Maintenance free sealed Lead acid battery leak proof			
15	No. of batteries	As per req. 12V – 9AH			
16	Operating Environment	0 - 40 °C			
17	Operating Relative Humidity	0 - 95%			
18	Operating Elevation	0-3000 meters			
19	Storage Temperature	-15 - 45 °C			
20	Storage Relative Humidity	0 - 95%			
21	Storage Elevation	0-15000 meters			
22	Audible noise	<45.00 dBA			
23	Standard Warranty	5 years repair or replace			
24	Environment Compliance	REACH: Contains No SVHCs			
25	Interface Port(s)	USB connectivity to manage UPS			

26	Indicator	Multi-function LCD status and control console			
27	Monitoring	UPS should have advance monitoring software in CD media with USB compatible connectivity with desktop including required proper interface cable.			
28	Audible Alarm	Alarm when on battery: distinctive low battery alarm: overload			
29	Backup	Min 20 Mints on full load			

**Annexure V: Financial Bid Format**

*Financial Bid Only Submitted in Excel Format BOQ in Online Mode*



## **Annexure VI: Cover Letter**

To  
The Chief Executive Officer (CEO)  
Rourkela Smart City Limited,  
1st Floor, RMC City library Udit Nagar,  
Rourkela-769012

### **Sub: Supply, Installation, Commissioning of Computers and Peripherals in RSCL for E- Sushrut Projects.**

Dear Sir,

With reference to your tender dated DD/ MM /YYYY, we, having examined the tender document and understood its contents, hereby submit our offer for the aforesaid Project.

- 1 The Bid is unconditional qualifies as per the technical & financial criteria set forth by the RSCL in tender documents and subsequent amendments thereto.
- 2 All information provided in the Bid Document and in the Schedules is true and correct and all documents accompanying Bid Document are true copies of their respective originals.
- 3 We shall make available to RSCL any additional information it may find necessary or require to supplement or authenticate the Bid Document.
- 4 We acknowledge the right of RSCL to reject our Bid Document without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
- 5 We certify that in the last 5 (Five) years, we have neither failed to perform on any contract, as evidenced by imposition of a penalty or a judicial pronouncement or arbitration award, nor been expelled from any project or contract nor have had any contract terminated for breach / black listed on our part.
- 6 We understand that you may cancel the Bid Process at any time and that you are neither bound to accept Bid Document that you may receive without incurring any liability to the Applicants.
- 7 We believe that we satisfy the Conditions of Eligibility and meet the requirements as specified in the tender document and are qualified to submit Bid Document in accordance with the provisions of the tender.
- 8 We certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
- 9 We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates.

- 10 We further certify that no investigation by a regulatory authority is pending either against us or against our Associates or against our CEO or any of our Directors/Managers/ employees.
- 11 We undertake that in case due to any change in facts or circumstances during the Selection Process, we are attracted by the provisions of disqualification in terms of the guidelines referred to above, we shall intimate RSCL of the same immediately.
- 12 We hereby irrevocably waive any right which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by RSCL in connection with Bid Process, in respect of the above-mentioned Assignment and the terms and implementation thereof.
- 13 We have studied all the document carefully and also surveyed the Project site. We understand that, we shall have no claim, right or title arising out of any documents or information provided to us by RSCL or in respect of any matter arising out of or concerning or relating to the Bid Process including the award of Assignment.
- 14 We agree and understand that the tender is subject to the provisions of the tender document. In no case, we shall have any claim or right of whatsoever nature if we are not selected or our Bid is not opened.
- 15 We agree to keep this offer valid for 90 days from the Bid Document Due Date specified in the tender.
- 16 We agree and undertake to abide by all the terms and conditions of the Bid Document.
- 17 In witness thereof, we submit this Bid Document under and in accordance with the terms of the tender.

Yours faithfully,

Date: (Signature of the Authorized signatory)

Place: (Name and designation of the of the Authorized signatory)

Name of the Company and Seal:

**Annexure: VII**

**FORM OF BANK GUARANTEE**  
[Performance Security/Additional Performance Security]

To

\_\_\_\_\_ [name of Authority]

\_\_\_\_\_ [address of Authority]

WHEREAS \_\_\_\_\_ [name and address of Contractor]

(hereafter called the “Contractor”) has undertaken, in pursuance of Letter of Acceptance (LOA) No. \_\_\_\_\_ Dated \_\_\_\_\_ for construction of \_\_\_\_\_ [name of the Project] (hereinafter called the “Contract”).

AND WHEREAS the Contract requires the Contractor to furnish an {Performance Security/ Additional Performance Security} for due and faithful performance of its obligations, under and in accordance with the Contract, during the {Construction Period/ Defects Liability Period} in a sum of Rs..... cr. (Rupees ..... crore) (the “**Guarantee Amount**”<sup>1</sup>).

AND WHEREAS we, ..... through our branch at ..... (the “**Bank**”) have agreed to furnish this Bank Guarantee (hereinafter called the “**Guarantee**”) by way of Performance Security.

NOW, THEREFORE, the Bank hereby, unconditionally and irrevocably, guarantees and affirms as follows:

1. The Bank hereby unconditionally and irrevocably guarantees the due and faithful performance of the Contractor’s obligations during the {Construction Period/ Defects Liability Period} under and in accordance with the Contract, and agrees and undertakes to pay to the Authority, upon its mere first written demand, and without any demur, reservation, recourse, contest or protest, and without any reference to the Contractor, such sum or sums up to an aggregate sum of the Guarantee Amount as the Authority shall claim, without the Authority being required to prove or to show grounds or reasons for its demand and/or for the sum specified therein.

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<sup>1</sup> Guarantee Amount for Performance Security and Additional Performance Security shall be calculated as per Contract.

2. A letter from the Authority, under the hand of an officer not below the rank of General Manager of Rourkela Smart City Ltd., that the Contractor has committed default in the due and faithful performance of all or any of its obligations under and in accordance with the Contract shall be conclusive, final and binding on the Bank. The Bank further agrees that the Authority shall be the sole judge as to whether the Contractor is in default in due and faithful performance of its obligations during and under the Contract and its decision that the Contractor is in default shall be final and binding on the Bank, notwithstanding any differences between the Authority and the Contractor, or any dispute between them pending before any court, tribunal, arbitrators or any other authority or body, or by the discharge of the Contractor for any reason whatsoever.
3. In order to give effect to this Guarantee, the Authority shall be entitled to act as if the Bank were the principal debtor and any change in the constitution of the Contractor and/or the Bank, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the Bank under this Guarantee.
4. It shall not be necessary, and the Bank hereby waives any necessity, for the Authority to proceed against the Contractor before presenting to the Bank its demand under this Guarantee.
5. The Authority shall have the liberty, without affecting in any manner the liability of the Bank under this Guarantee, to vary at any time, the terms and conditions of the Contract or to extend the time or period for the compliance with, fulfillment and/ or performance of all or any of the obligations of the Contractor contained in the Contract or to postpone for any time, and from time to time, any of the rights and powers exercisable by the Authority against the Contractor, and either to enforce or forbear from enforcing any of the terms and conditions contained in the Contract and/or the securities available to the Authority, and the Bank shall not be released from its liability and obligation under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the Contractor or any other forbearance, indulgence, act or omission on the part of the Authority or of any other matter or thing whatsoever which under any law relating to sureties and guarantors would but for this provision have the effect of releasing the Bank from its liability and obligation under this Guarantee and the Bank hereby waives all of its rights under any such law.
6. This Guarantee is in addition to and not in substitution of any other guarantee or security now or which may hereafter be held by the Authority in respect of or relating to the Contract or for the fulfillment, compliance and/or performance of all or any of the obligations of the Contractor under the Contract.

7. Notwithstanding anything contained hereinbefore, the liability of the Bank under this Guarantee is restricted to the Guarantee Amount and this Guarantee will remain in force for the period specified in paragraph 8 below and unless a demand or claim in writing is made by the Authority on the Bank under this Guarantee all rights of the Authority under this Guarantee shall be forfeited and the Bank shall be relieved from its liabilities hereunder.
8. The Guarantee shall cease to be in force and effect on \*\*\*\*\*. Unless a demand or claim under this Guarantee is made in writing before expiry of the Guarantee, the Bank shall be discharged from its liabilities hereunder.
9. The Bank undertakes not to revoke this Guarantee during its currency, except with the previous express consent of the Authority in writing, and declares and warrants that it has the power to issue this Guarantee and the undersigned has full powers to do so on behalf of the Bank.
10. Any notice by way of request, demand or otherwise hereunder may be sent by post addressed to the Bank at its above referred branch, which shall be deemed to have been duly authorized to receive such notice and to effect payment thereof forthwith, and if sent by post it shall be deemed to have been given at the time when it ought to have been delivered in due course of post and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by an officer of the Authority that the envelope was so posted shall be conclusive.
11. This Guarantee shall come into force with immediate effect and shall remain in force and effect for up to the date specified in paragraph 8 above or until it is released earlier by the Authority pursuant to the provisions of the Contract.
12. This Guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.
13. This guarantee shall also be operable at our..... Branch at Rourkela , from whom, confirmation regarding the issue of this guarantee or extension / renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation
14. Bank Detail of Rourkela Smart City Ltd.

S.No.	Particulars	
1	Name of Bank	State Bank of India
2	Name of Branch	Udit Nagar Branch

3	A/c No	36450132867
4	Type of A/c	Saving Bank A/c
5	IFSC	SBIN0007474

Signed and sealed this ..... day of ....., 20..... at .....

SIGNED, SEALED AND DELIVERED

For and on behalf of the Bank by:

(Signature)

(Name)

(Designation)

(Code Number)

(Address)

<b>Annexure: VIII</b>			
<b>All Financial Transaction Related to the Project must be abide with the Following Instruction</b>			
As per Govt. of Odisha Finance Department No. 32921 /F Dt.11.12.2020 or any amendment “Selection of Banks for handling business and deposits of State Public Sector Undertakings (SPSUs) and State Level Autonomous Societies (SLASs) for the years 2020-21 followings banks have been selected for handling Business & Deposits (Copy attached) for Ref.:-			
Public Sector Banks		Private sector banks	
1	Canara Bank	11	ICICI Bank
2	Punjab National Bank	12	Axis Bank Ltd.
3	State Bank of India	13	HDFC Bank
4	Union Bank of India	14	Bandhan Bank
5	Bank of India	RRBs & OSCB	
6	Bank of Baroda		
7	UCO Bank		
8	Indian Bank	15	Odisha Gramya Bank
9	Indian Overseas Bank	16	Utkal Grameen Bank
10	Central Bank of India	17	Odisha State Co-Op. Bank

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**Annexure: IX**  
**Form of Bid Security Declaration**

(Refer Tender document Clause )  
Letter head of the Bid –  
Date

**Name of the Project:** “Supply, Installation, Commissioning of Computers and Other Peripherals For E-Sushrut Project”.

Bid No.

To

The Chief Executive Officer,  
Rourkela Smart City Ltd.  
Udit Nagar,  
Rourkela-769012

(Insert complete name and address of the Authority/Employer/Tender Inviting Authority)

We, the undersigned declare that:

1. We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.
2. We accept that the Authority/Employer/Tender Inviting Authority shall cancel our Empanelment (registration of OPWD or equivalent registration) and / or suspend/prohibit/debar/blacklist from participating in bidding in any contract of the State for a minimum period of 180 days, if we are in breach of our obligation(s) under the bid conditions, because we:
  - (a) Have withdrawn out Bid prior to the expiry date of the bid validity specified in the letter of Bid or any extended date provided by us; or
  - (b) Having been notified of the acceptance of our Bid by the Employer prior to the expiry date the bid validity in the Letter of Bid or any extended date provided by us,
    - (i) Failure of use to furnish the Performance Security , if required in accordance Terms of the Bid Document, or
    - (ii) Fail to agree to the decisions of the contract negotiation meeting or
    - (iii) Failure refuse to execute the Contract.
3. We understand this Bid Security Declaration shall expire, if we are not the successful Bidder, upon the earlier of your notification of the name of the successful Bidder through award of contract;  
or  
(ii) after the expiry date of the Bid validity.

Name of the Bidder\_\_\_\_\_

Name of the person duly authorized to sign the Bid on behalf of the Bidder\_\_\_\_\_

Title of the person signing the Bid \_\_\_\_\_

Signature of the person named above \_\_\_\_\_

Date signed \_\_\_\_\_ day of \_\_\_\_\_

• In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder- NA

- Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid.(In case of Partnership firm/Company/LLP/ Cooperative society
  
- Stricken out which is not applicable