जननायक चन्द्रशेखर विश्वविद्यालय, बलिया
Jananayak Chandrashekhar University, Ballia

पत्रांक–जे0एन0सी0यू0 / सा0प्र0 / 503 / 2022   दिनांकः 22 फरवरी, 2022

जेम पोर्टल के माध्यम से क्रय किये जाने हेतु ई–निविदा
01.आडिटोरियम

S.No	Specification	Unit	Quantity
01	Smart Podium including i5 Mini PC, Interactive Panel should have nos. both EMR (Electromagnetic Resonance) & P-CAP touch technologies to have finger and 2 mm thick touch stylus, 4k Multimedia controller & Gooseneck microphone, Polycarbonate Metallic Body with wheels and lockable facility, screwless chassis, sliding cover to open and close the cover easily, Pre Build housing, soft wheels to move podium, there should not be any port exposed on the outer body for breackage/mishandling.	nos	1
02	Set of Hand Held Wireless and Lapel Microphone with Wireless nos. Reciever Freq. Response- 40 Hz- 16KHz, Polar Pattern- Cardroid, 0/P-XLR, 200 selectable UHF channel, Backlight display for Freq. identification, Individual channel o/p with lable control.	nos	3
03	100-watt Wall mount Speaker Freq. Range- 80Hz- 20KHz, Freq. Response 100Hz- 18KHz, Sensetivity-87dB-SPL, Inpedence- 4 ohms, Drivers-LF-4 inch, HF-1 inch	nos	4
04	500-watt Audio Amplifier Freq. Response- 50 Hz- 15KHz, Rated Powe- 500 Watt, O/P-3dB or better, SNR-70dB,4ohms/8 ohms,70/100volt barrier strip Powe Supplv-240 Volt AC-50/60 Hz	nos	1
05	Full HD Hybrid PTZ Video Conferencing camera Pre-set Full HD PTZ Hybrid Camera -with Optical Zoom- 20x, Digital Zoom - 16x, with Hand held Remote Control, Camera, suitable for IP Based and Software based VC using PC/Laptop with connectivity: 1xUSB3.0, 1x HDMI, 1x CVBS, 1x RJ45, 1xRS232 In, 1xRS232 Out, 1xRS485 and Device should Support local storage module, directly recording to local USB flash disk.	nos	1
06	Ultra HD 4K Interactive flat pannel display size 86", Brightness:600 nits resolution 3840X2160 (UHD), Contrast Ratio: 10000:1, Built In Speakers- 2.1 Stereo Sound with in-built 20 Watt x 2 speakers and 15 Watt x 1 Sub-Woofer, Pen Recognition -Dual Pen recognition with 2mm tipped pens at realtime lag free response rate. Split Screen- 4 Way Split Screen content sharing software, QR Code Scan: Should have file download feature in smart phone just by scanning the QR code, Quiz: Should have in built tool to allow participants to submit answers from their Smart Phones (Answering/Voting/Messaging), Hardness, Anti Scratch, Anti Glare - Minimum 7 H hardness, scratch resistant, anti glare,anti-crack resistant Power consumption: Maximum 155 Watts	nos	2
07	5000 ANSI Lumens Full HD Projector with Wireless casting through Internal/External Dongle, Contrast Ratio: 22000:1, Optical Zoom: 1.1x, Inbuilt speaker, Connectivity: 2x HDMI, 1x Computer in (share with component), 1x Monitor out, 1x USB Type A (Power), 1x RS232, Feature: Presentation Timer, Password Protection	nos	1
08	Projection Motorized Screen 20' x 12' HD Matt finish, 16:9 / 16:10, Sound less Tubular motor, 275" Diagonal projection area.	nos	1
09	Wall mount Fans 1330 RPM, Power Consumption-55 Watt or less, Sweep (mm): 400, Power Inputs (Watts): 50, Speed (RPM): 1300, Air Delivery (CMM) 70 • Wall mount fan with 3 speed energy saving motor	nos	20
10	2x4 HDMI Switcher Two nos of HDMI input & 4 Nos of HDMI output, Matrix switchier with control button and LED Indicator	nos	1

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11	2 MP Network IP Bullet CCTV Camera with Built in microphone and audio Alarm In/Out. WDR 120db, SD Card Slot, VCA	nos	2
12	2 MP Network IP Dome CCTV Camera with Built in microphone and audio Alarm In/Out. WDR 120db, SD Card Slot, VCA	nos	2
13	8 Ch Network Video Recorder with resolution support upto 6 MP, Populated Storage of minimum 2TB HDD with rack mount Kit.	nos	1
14	6U Network Rack with electrical connectivity Front Glass door, Wall mount, Lock & Key, 19 inch industrial mounting Space	nos	1
15	8 Port PoE Switch with Two nos of Giga Uplink Network Port: 8x10/100 Mbps RJ45 PoE Port, 2x10/100/1000 Mbps RJ45 Port, PoE Power Budget: 120 Watt, Output Power: Up to 30Watt Max, MAC Address: MAC address table 2K	nos	1
16	Cat6 23AWG UTP Cable (305 mtrs)	mtrs	1
17	PVC Conduite Pipe 25mm with Laying	Mtrs	100
18	6-KVA Online UPS 30 min power backup Input Voltage Range-110 - 300 VAC (Based on Load at 50%). 160 - 280 VAC (Based on Load at 100%) Frequency Range-40 Hz ~ 70 Hz Power factor- ≥ 0.99 @ Nominal Voltage (100% Load) Indicators- Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode and Fault Indicators.	nos	1
19	SITC with add on accessories cables, connectors, conduit pipe, Training on Site etc	Job	1

02.विडियो कान्फेन्सिंग साल्यूशन

S.No	Specification	Unit	Quantity
01	65-inch Ultra HD 4K Interactive flat pannel display- with Floor Stand, Size: 65* Brightness:350 nits resolution 3840X2160 (UHD), Contrast Ratio: 5000:1, Built in Speakers - 2.1 Stereo Sound with in-built 20 Watt x 2 speakers and 15 Watt x 1 SubWoofer, Pen Recognition -Dual Pen recognition with 2mm tipped pens at real-time lag free response rate. Split Screen-4 Way Split Screen content sharing software, QR Code Scan: Should have file download feature in smart phone just by scanning the QR code, Quiz: Should have in built tool to allow participants to submit answers from their Smart Phones (Answering/ Voting/ Messaging), Hardness, Anti Scratch, Anti Glare - Minimum 7 H hardness, scratch resistant, anti glare,anticrack resistant Power consumption: Maximum	nos	1
02	Mini PC, i5 8GB RAM, 1 TB HDD Should have a inbuilt Wi-Fi / Wireless LAN Card Ports (Minimum) HDMI x 1, DP(Display Port) x 2, USB ports x 6, LAN Port x 1 Wireless Keyboard, Wireless Mouse, Operating System: Windows 10	nos	1
03	Full HD USB PTZ Video Conferencing camera Pre-set Full HD PTZ USB 3.0 based Camera with Optical Zoom- 10x, Digital Zoom - 12x. with Hand held Remote Control, for Software based VC, Device Should support Dual Power through USB as well as power jack, Input ports 1 x RJ45, 1x USB 3.0, 1x Line in, 1x RS-232 port	nos	1
04	Omnidirectional Microphone with inbuilt 6 microphone connected in array with 10W Speaker Connectivity: wireless USB, Wired USB, Aux IN/Out, Bluetooth, With device cascade with one additional unit and work as a single device if required in future	nos	1
05	1-KVA Online UPS with 30 min power backup Input Voltage Range-110 - 260 VAC (Based on Load at 50%) 160 - 240 VAC (Based on Load at 100%) Frequency Range-40 Hz ~ 70 Hz Power factor2 0.99 @ Nominal Voltage (100% Load) Indicators- Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode and Fault Indicators	nos	1
06	SITC with add on accessories, cables, connectors, conduit pipe, Training on Site etc	Job	1

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03.स्मार्ट क्लासरूम

S.No	Specification	Unit	Quantity
01	86-inch Ultra HD 4K Interactive flat pannel display- Size: 86", Brightness:600 nits resolution 3840X2160 (UHD), Contrast Ratio: 10000:1, Built In Speakers- 2.1 Stereo Sound with inbuilt 20 Watt x 2 speakers and 15 Watt x 1 Sub-Woofer, Pen Recognition - Dual Pen recognition with 2mm tipped pens at real-time lag free response rate., Split Screen- 4 Way Split Screen content sharing software, QR Code Scan: Should have file download feature in smart phone just by scanning the QR code, Quiz: Should have in built tool to allow participants to submit answers from their Smart Phones, (Answering/ Voting/ Messaging), Hardness, Anti Scratch, Anti Glare - Minimum 7 H hardness, scratch resistant, anti glare,anti-crack resistant Power consumption: Maximum 155 Watts	nos	1
02	Smart Podium including i5 Mini PC, Interactive Panel should nos. have both EMR (Electro magnetic resonance) & P-CAP touch technologies to have finger and 2 mm thick touch stylus, 4k Multimedia controller & Gooseneck microphone, Polycarbonate Metalic Body with wheels and lockable facility, screwless chassis, sliding cover to open and close the cover easily, pre-build housing, soft wheels to move podium, there should not be any port exposed on the outer body for breakage/mishandling.	nos	1
03	Full HD USB PTZ Video Conferencing camera-Pre-set Full HD nos PTZ USB 3.0 based Camera -with Optical Zoom- 10x, Digital Zoom - 12x, with Hand held Remote Control, for Software based VC Device Should support Dual Power through USB as well as power jack	nos	1
04	Omnidirectional Microphone with inbuilt 6 microphone nos connected in array with 10W Speaker connectivity: wireless USB, Wired USB, Aux IN/Out, Bluetooth	nos	1
05	3-KVA Online UPS with 30 min power backup Input Voltage Range-110 - 300 VAC (Based on Load at 50%) 160-280 VAC (Based on Load at 100%) Frequency Range-40Hz ~ 70 Hz__ Power factor≥20.99 @ Nominal Voltage (100% Load) Noise Level-Less than 45dBA @ 1 meter	nos	1
06	SITC with add on accessories, cables, connectors, conduit pipe, Training on Site etc	Job	1

04.कम्प्यूटर—कम—लैंग्वेज लैब

S.No	Specification	Unit	Quantity
01	All in One PC i3, 8GB Ram , 1TB HDD with Headphones builtin mic, Display 21.5" or Higher LED Backlight IPS Panel Native Resolution of 1920x1080, Contrast ratio: 1000:1, Aspect Ratio16:09, Brightness 250 nits (cd/m2), High Definition Audio, 2.0 MP Full HD Webcam, Should have a inbulit Wi-Fi / Wireless LAN Card, Ports (Minimum) DP/HDMI x 1, USB 2.0 ports x 2, USB 3 ports x 2, LAN Port x 1 Wired Keyboard, Wired Mouse, Operating System: Windows 10	nos	25
02	Modular Workstation - Teacher Computer Desk, Particle Board Edge Banded Structure, Fixed Pedestal-W1200 X D600 X H750	nos	1
03	Modular Workstation - Students Computer Desk, Particle Board Edge Banded Structure, Fixed Pedestal-W761 X D600X H 1050	nos	24
04	Chairs - Teacher Medium Back Chair,Synchro Tilt, PP Adjustable Arm, Gas Lift, Nylon Base, Seat Fabric Back Net Tapestry	nos	1
05	Chairs - Students Visitor Chair, Powder Coated, PP Arm, Pipe Frame, Net Back & Seat Leatherite Tapestry	nos	24

पता:—शहीद स्मारक, निकट सुरहा ताल, जिला—बलिया, उ०प्र० पिन कोड:—277001
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06	6-KVA Online UPS with 30 min power backup Input Voltage Range-110 - 300 VAC (Based on Load at 50%) 160 - 280 VAC (Based on Load at 100%) Frequency Range-40 Hz~ 70 Hz Power factor-≥2 0.99 @ Nominal Voltage (100% Load) Indicators- Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode and Fault Indicators Noise Level-Less than 50dBA @ 1 meter	nos	1
07	24-Port Ethernet Switch Network Port: 24x10/100 Mbps RJ45 Port, MAC Address: MAC address table 1K.	nos	1
08	16-Port Ethernet Switch nos. Network Port: 16x10/100 Mbps RJ45 Port, MAC Address: MAC address table 1K	nos	1
09	6U Network Rack with electrical connectivity nos. Front Glass door, Wall mount, Lock & Key, 19 inch industrial mounting Space	nos	1
10	Cat6 23AWG UTP Cable (305 mtrs)	mtrs	1
11	Accessories for installation with all cables, screws, fasteners, switch board, sockets, I/O face plates, connectors, electrical accessories, conduit, baton, flexible pipes, etc. as required for installation & optimum functioning of the Digital Lab.	nos	31
12	86-inch Ultra HD 4K Interactive flat pannel display- Size: 86", Brightness:600 nits resolution 3840X2160 (UHD), Contrast Ratio: 10000:1, Built In Speakers2.1 Stereo Sound with in-built 20 Watt x 2 speakers and 15 Watt x 1 Sub-Woofer, Pen Recognition - Dual Pen recognition with 2mm tipped pens at realtime lag free response rate., Split Screen- 4 Way Split Screen content sharing software, QR Code Scan: Should have file download feature in smart phone just by scanning the QR code, Quiz: Should have in built tool to allow participants to submit answers from their Smart Phones, (Answering/ Voting/ Messaging), Hardness, Anti Scratch, Anti Glare - Minimum 7 H hardness, scratch resistant, anti glare,anti-crack resistant Power consumption: Maximum 155 Watts	nos	1
13	Mini PC, i7 8GB RAM, 1 TB HDD with wireless keyboard and Mouse, Should have a inbuilt Wi-Fi / Wireless LAN Card Ports (Minimum) HDMI x 1, DP(Display Port) x 2, USB ports x 6, LAN Port x 1, Wireless Keyboard, Wireless Mouse, Operating System: Windows 10	nos	1
14	Digital Language Lab Platform with English Language Content for 25 nodes, with features: Intercom, broadcast text message, Audio Supervision, Chat, Assignments, Reports & Analysis, AV Lessons, E-exam, Audio modulation, Accent, Life Time Perpetual License., Secured Login, Management Login, E-Books, English Multimedia Content Learning 6 Levels, Teaching Pedagogy (Methodology), proper articulation for all 44 sounds of English, Mother Tongue Influence (MTI) removal tool, Pronunciation, Comprehension, Resource Material & Training, Pre Recorded media	nos	1
15	1.5 Ton Split AC with Stablizer with dehumidifier Rated Cooling Capacity[W]:5150, Power Supply (V/Hz/Ph):230/50/1 Phase, Rated Power InputCooling (Watt) 1450, Rated Current-Cooling[Amps]:6.4, Condenser Coil:Copper	nos	2
16	Wall mount Fans 1330 RPM, Power Consumption-55 Watt or less, . Sweep (mm): 400, Power Inputs (Watts): 50, Speed |(RPM): 1300, Air Delivery (CMM) 70 • Wall mount fan with 3 speed energy saving motor	nos	6
17	Ceiling LED Squre Light with size of 2 feet x 2 feet	nos	10
18	Providing and fixing grid false ceiling with gypsum sqft border. Black slot angles and 6mm pvc tiles used.(Approx. in sqft)	Sqft	800
19	PLASTIC EMULSION PAINT	Sqft	1400

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	Providing three or more finishing coats of Plastic Paint of approved manufacture(Asian/Berger) and shade to wall and ceiling etc. applied evenly to give approved Mattor stippled finish complete, including preparation of surface and coat of approved primer complete as per specifications. includes painting of walls and gypsum partitions. Includes painting of doors and windows(from inside only) (approx. in sqft)		
20	Providing & applying Water Resistant and Quick Drying, Non Curable Type of average 20 mm thick plaster of Paris(POP) to give smooth finish to walls.	Sqft	1000
21	Providing and fixing as per approved sample Par curtains with rods to doors.	Panel	2
22	Zebra blinds of approved shade to be installed. sq (Approx. in sqft)	Sqft	150
23	Labour charges for electrical work incl. civil repair. Including ac chase and repair work.	Job	1
24	Providing and fixing vinyl flooring 1.5mm.thk. incl skirting.	Sqft	800
25	Main Line Electrification work Main electric box to classroom using Aluminium Armoured Cable 16 mm, 4 Core	Job	1
26	SITC with add on accessories, cables, connectors, conduit pipe, Training on Site etc	Job	1

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