University Computerisation Centre

UCC/11-25 /RC-2   **Dated: 1st April, 2014**

Sub: Extension of Rate contract for Supply installation and commissioning of (a) Computers, Peripherals & Equipments of Computer, Printer, Laptop, Server, Projector with Screen, CCTV Surveillance, TV & Monitors etc. (b) Optical Fiber Laying and Installation Job (c) Copper UTP Cable Laying and Installation Job (d) CCTV Camera Installation and Fixing (e) Outdoor/Indoor WiFi Access Point and Server/Network Racks **valid till   31st March, 2015.**

To**,**

Sr No.	Manufacturer	Order to be placed with dealers
1.	M/s.DELL India Private Ltd. For DELL PC/Server/laptop	M/s. Pacific Infotech Pvt. Ltd. B-10, Abbas Building, 1st Floor, Jalbhai Street, Grant Road (E), Mumbai-400004. Contact Person: Mr. Vasant Cell:9930051007/98224219581
2.	M/s. HP (I) Sales Pvt. Ltd. M/s. New Era Info. Pvt. Ltd. M/s. CPPLUS India Pvt. Ltd. M/s. Numeric Power Systems Ltd. For HP PC/Server/laptop/Printer/etc.	M/s. J.S.Electronics 146, Patil Wadi, Jijamata Marg, Pump House, Andheri (E) Mumbai-400093. Contact Person: Meera Pandey Cell: 9222244440/9769578444
3.	M/s. SONY India Ltd., M/s. Epson India Ltd M/s. CASIO I Pvt. Ltd. M/s. DNP Denmark as M/s.Schneider Electric (APC) M/s. INP Compurter Tec. (P) Ltd. M/s. D-Link I Ltd. & M/s. AGS Transact Technologies For Other Items	M/s. KARE Peripherals Pvt.Ltd. 8/102A, Jogani Ind. Complex V.N.Purav Marg, Chunabhatti, Mumbai-400022. Contact: Mr. Murli Sharma Mr.Rakesh Sanghvi Cell: 9819485080/9820285080

Dear Sir,

You are hereby informed that the rate quoted by you together with the terms and conditions as specified in our tender form with reference to the tender for computer hardware & peripherals and other stores as specified in Schedules annexed has been accepted for the University of Mumbai for rate contract. The item wise specifications with descriptions & prices are given in Schedule- A and those items shall be supplied to the Departments as per the purchase order issued by the respective departments and the same shall be supplied to them accordingly as per the terms agreed there in the scope of the tenders submitted by the respective vendors.

Yours Sincerely,

Co-ordinator,
University Computerisation Centre

<u>Schedule –A:</u> Specifications For DELL Items from M/s. Pacific Infotech Pvt. Ltd.

1.Desktop Computer: **DELL OptiPlex (TM) 7010 DT Base Price per unit Rs. 36,350.00**
(all inclusive)

Part	Offer Configuration
CPU	Intel(R) Core(TM) i5-3470 Processor (6M Cache, up to 3.60 GHz)
Main board	Intel(R) Q77 Express Chipset
RAM	4GB (1x4GB) Non-ECC DDR3 1600MHz SDRAM Memory
Storage/ Hard disk	500GB 7200 RPM 3.5" SATA Hard Drive
Ethernet	Integrated Intel(R) 82579LM Gigabit1 Ethernet LAN 10/100/1000
Graphics	Integrated Intel(R) HD Graphics 2500
Display	Dell E Series E1914H 18.5" Wide Screen Monitor with LED Back Light
Keyboard/ Mouse	Dell(TM) MS111 USB Optical Mouse & Dell USB Keyboard KB212B
Audio	High Definition Audio Codec
DVD drive	16X Max DVD + /- RW with Dual Layer Write Capabilities for MT
Optional	3 Yr Next Business Day Onsite Service
OS Compatibility	Ubuntu Linux 12.04

2.DELL OptiPlex(TM) **7010 DT Base, Price per unit Rs.48,500.00 all inclusive**

Part	Offer Configuration
CPU	Core i7 @ 3770
Main board	Intel(R) Q77 Express Chipset
RAM	4GB (1x4GB) Non-ECC DDR3 1600MHz SDRAM Memory
Storage/ Hard disk	500GB 7200 RPM 3.5" SATA Hard Drive
Ethernet	Integrated Intel(R) 82579LM Gigabit1 Ethernet LAN 10/100/1000
Graphics	Integrated Intel(R) HD Graphics 2500
Display	Dell E Series E1914H 18.5" Wide Screen Monitor with LED Back Light
Keyboard/ Mouse	Dell(TM) MS111 USB Optical Mouse & Dell USB Keyboard KB212B
Audio	High Definition Audio Codec
DVD drive	16X Max DVD + /- RW with Dual Layer Write Capabilities for MT
Optional	3 Yr Next Business Day Onsite Service
OS Compatibility	Ubuntu Linux 12.04

3.All- In- One Computer -- Dell OptiPlex 3011 AIO Price per unit Rs.39650.00
(all inclusive)

Part	Offer Configuration
CPU	Intel Core i5-3470S Processor
Main board	OEM designed by the Manufacturer
RAM	4GB (1x4GB) 1600MHz DDR3L Memory
Storage/ Hard disk	500GB 3.5inch Serial ATA (7.200 Rpm) Hard Drive
Ethernet	10/ 100
Graphics	Intel HD graphics
Display	Up to 90 % efficient PSU Base 50,8 cm (20") Integrated Graphics, Non-Touch,OptiPlex 3011 AIO
Keyboard/ Mouse	Dell Wireless Keyboard with Mouse, English
Audio	Integrated Sound Solution
DVD drive	8x Slimline DVD+/-RW Drive
Optional	3 Yr Next Business Day Onsite Service
OS Compatibility	Ubuntu Linux 12.04

4. OptiPlex 9020 All in One Price per unit Rs.65,650.00 all inclusive

Part	Offer Configuration
CPU	4th Gen Intel Core I7-4770S Processor (Quad Core HT, 3.10GHz Turbo, 8MB, w/ HD Graphics 4600)
Main board	OEM designed by the Manufacturer
RAM	4GB (1x4GB) 1600MHz DDR3L
Storage/ Hard disk	500GB 3.5inch Serial ATA
Ethernet	10/ 100/ 1000
Graphics	Intel Integrated Graphics, Dell OptiPlex
Display	Up to 90 % efficient PSU Base 58,4cm (23") Touch without Camera
Keyboard/ Mouse	Wireless keyboard and optical
Audio	Integrated Sound Solution
DVD drive	8X Max Slimline DVD+/-RW
Optional	3 Yr Next Business Day Onsite Service
OS Compatibility	Ubuntu Linux 12.04

5.LAPTOP   Latitude 3440 Multi-Touch Price per unit Rs.48,000.00 (all inclusive)

Description	Offer Configuration
Processor	Intel Core i5-4200U
Color Kit	
Memory	8GB (2x4GB) 1600MHz DDR3L Memory
HDD	500GB 5400RPM SATA Hard Drive
Video card	Onboard Intel HD graphic
Web CAM	Camera Included
O/S	Ubuntu 12.04 Long Term Support (LTS) SP1
Optical drive	Internal / Non-Swappable Tray Load 8X DVD+/-RW
Screen Size	14.0" HD (1366x768) Anti-Glare WLED-backlit, Multi-Touch
Software	
Service/warrantY	3 Yr Next Business Day Onsite Service
Bluetooth/WIFI	Dell(TM) Wireless 1705 802.11b/g/n with Bluetooth v4.0

6. Laptop: Latitude 3450ct Price per unit Rs._51900.00 (all inclusive) Multi-Touch Screen

Description	Offer Configuration
Processor	Intel Core i5-4200U
Memory	4GB (1x4GB) 1600MHz DDR3L Memory
HDD	500GB 5400RPM SATA Hard Drive
Video card	Intel HD Graphics 4400
Web CAM	Camera Included
O/S	Ubuntu 12.04 Long Term Support
Optical drive	Internal / Non-Swappable Tray Load 8X DVD+/-RW
Screen Size	15.6" HD (1366x768) Anti-Glare WLED-backlit, Multi-Touch
Software	Ubuntu 12.04 Long Term Support (LTS) SP1
Service/warranty	3 Yr Next Business Day Onsite Service
Bluetooth/WIFI	Dell(TM) Wireless 1705 802.11b/g/n with Bluetooth v4.0

7.Laptop: Latitude 3440 Price per unit Rs.40250 (all inclusive)

Description	Offer Configuration
Processor	Intel Core i3- 3217/3227-3rd gen CPU
Color Kit	Dark Metallic colour
Memory	2 GB DDR#@ minimum1333MHz
HDD	500 GB SATA
SSD hard disk	Nil
Video card	Onboard Intel HD graphic
Web CAM	1.3 Mega Pixel Web Cam
O/S	DOS/ Ubuntu
Optical drive	Super multi DVD +/-RW
Screen Size	14" or 15.6 " inch With LED screen
Software	To be loaded with University Campus Agreement
Service/warrant	Extended warranty for 2 years to be mentioned separately (if not included)
Bluetooth/WIFI	BT-3.0 and 2x2 802.11 abg/n (up to 300Mbps), Wifi

8 .Server Specification: DELL R720 Price per unit Rs.3,63,000.00 all inclusive

Item	Offer Configuration
CPU: 2 Nos.	2 Nos. of Intel Xeon E5 2660 V2 2.2 GHz 10 Cores/20 threads 25mb cache CPU
Motherboard	Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family Intel® C602 chipset;
	Dual port 10GBase-T
	8x SATA2 and 2x SATA3 ports 8x SAS2 ports from LSI 2208, Integrated , IPMI 2.0 and KVM with Dedicated LAN Dual port front and rear USB 3.0 Performance boost with Hyper-Speed
Ram	16 GB
Storage:	2 nos of 600GB capacity with 8x 3.5" Hot- swap SAS / SATA Drive Bays Spinning at 15,000 RPM
Network	At least Dual port Giga lane 10G base T With option to install fiber optic HBA up to 2 port @: 8 Gbps (1600 MB/sec); 4 Gbps (800 MB/sec) per port or 4 port HBAs @: 4 Gbps (800 MB/sec); 2 Gbps (400 MB/sec); 1 Gbps (200 MB/sec) (per port)
Graphics	Compatible Onboard or Graphic accelerator card
Expansion	1x slim DVD WR with 7x full length Expansion slots
Keyboard/Mouse	wired
Audio	Onboard
Chassis	Compatible 2U rack Dual Redundant 920W Redundant High-efficiency 80 PLUS minimum gold level (94%+) Power Supply
Optional	Compatible Solid state SAS hard drive option with 6GB/S
OS Compatibility	Microsoft Windows Server, Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES),Oracle Solaris VMware, Citrix Xen Server (University Academic License, OEM software to be installed)

For 32 GB Add @ 16000/- and 200 GB SSD @ 1,10,000 extra

Schedule –A Specifications For HP Machines from M/s. J.S.Electronics

1.   **DESKTOP COMPUTERS** PRICE IN INR INCLUSIVE OF ALL TAXES **Rs.33142**

Descr.	HP Pro Desk 600 G1
Processor	Intel® Core™ i5-4570 with Intel HD Graphics 4600 (3.2 GHz, 6 MB cache, 4 cores)
CHIPSET	Intel® Q85 Express
Memory DDR3	4 GB 1600 MHz DDR3 SDRAM
HDD	500 GB up to 1 TB SATA SSHD
GRAPHIC CARD	Integrated: Intel HD Graphics 4000 and 4600
LAN	Standard: Intel I217LM Gigabit Network Connection
Screen Size	18.5 inch widescreen
KEYBD/ MOUSE	Wired keyboard and optical (800 DPI) resolution
Audio	HD audio with Realtek ALC221 codec
DVD drive	Slim SATA Super Multi DVD writer
Operating System	Free dos

2. All- In- One Computer : Price offered all inclusive **Rs.42143**

particulars	HP PRO ONE 600 NON TOUCH
CPU	Intel® Core™ i5-4570S with Intel HD Graphics 4600 (2.9 GHz, 6 MB cache, 4 cores)
Main board	Intel® Q85 Express
RAM	4 GB DDR3@ 1600MHz FSB
Hard disk	500 GB SATA SED
Ethernet	Integrated Intel® l217LM Gigabit Network Connection
Graphics	Integrated: Intel HD Graphics 4600
Display	21.5" diagonal IPS widescreen WLED backlit anti-glare LCD; Orientation designed to operate in portrait or landscape
Keyboard/ Mouse	wireless
Audio	Realtek ALC 3228 Audio – 16 & 24-bit PCM
DVD drive	Slim Tray-load SuperMulti DVD writer
Optional	3 YEAR WARRANTY
OS	Free DOS

3. HP–AIO ELITE ONE TOUCH with rest same configuration @ price : INR 65393/-
    Intel® Core™ i7-4770S with Intel HD Graphics 4600 (3.1 GHz, 8 MB cache, 4 cores) and 23" diagonal IPS widescreen backlit anti-glare LCD (non-Touch); 23" diagonal IPS widescreen backlit LCD, with Projected Captive Touch panel

4. LAPTOP: PRICE IN INR INCLUSIVE OF ALL TAXES **38990/-**

Descr.	Hp Z book 15 mobile work station
MODEL/ MAKE	Hp Z book 15 mobile work station
Processor	Intel® Core™ i5-4300M with Intel HD Graphics 4600 (2.6 GHz, 3 MB cache, 2 cores)
Color	DARK COLOUR
Memory DDR3	8GB 1600 MHz DDR3L SDRAM
HDD	500 GB SATA SED (7200 rpm)
GRAPHIC CARD	Mobile Intel® QM87AMD FirePro™ M4000 (1 GB dedicated GDDR5)
WEB CAM	IN BUILT
LAN	Integrated Intel I217-LM Gigabit Network Connection
DVD DRIVE	DVD+/-RW SuperMulti DL

Screen Size	15.6" diagonal LED-backlit FHD UWVA eDP anti-glare + PSR (1920 x 1080) without TOUCH SCREEN
warranty	3 Yr WARRANTY COMPREHENSIVE
Bluetooth/WIFI	yes

5.Server Specification:Supermicro Price per unit Rs.483911/- (all inclusive)

CPU: 2 Nos.	**2 Nos. of Intel Xeon E5 2660 V2** 2.2 GHz 10 Cores/20 threads 25mb cache CPU
Main board	Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family Intel® C602 chipset; QPI up to 8.0GT/s Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets,2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 UIO PCI-E 3.0 x8 (for SMC UIO HBA) or 1 PCI-E 2.0 x4 (in x8) **Dual port 10GBase-T** 8x SATA2 and 2x SATA3 ports 8x SAS2 ports from LSI 2208 Integrated , IPMI 2.0 and KVM with Dedicated LAN Dual port front and rear USB 3.0 Performance boost with Hyper-Speed
RAM	**16 GB / 32 GB** of 1866/1600 ECC DDR3 SD RAM with maximum 72 Bit, 240 Pin Gold Plated DIMMs, to support up to maximum 1 TB **16 X DIMM** sockets
Storage:	**2 nos of 600GB** capacity with **8x 3.5" Hot-swap SAS / SATA Drive** **Bays** Spinning at 15,000 RPM for mission-critical performance FCAL & SAS interfaces for reliable data throughput Advanced Power Management optimizes power consumption 64MB cache buffer – largest in the industry Self-encrypting models conform to TCG's Enterprise specification 5-year limited warranty Solid state SAS drive option with 12GB/S also should be quoted
Network	At least Dual port Giga lane 10G base T With option to install fiber optic HBA up to 2 port @: 8 Gbps (1600 MB/sec); 4 Gbps (800 MB/sec) per port or 4 port HBAs @: 4 Gbps (800 MB/sec); 2 Gbps (400 MB/sec); 1 Gbps (200 MB/sec) (per port)
Graphics	Compatible Onboard or Graphic accelerator card
Expansion	**1x slim DVD WR** with 7x full length Expansion slots
Keyboard/ Mouse	cord less wired or wireless
Audio	Onboard
Chassis	Compatible **2U rack mount** 7x Full-height, Full-length Expansion Slots 100% Cooling Redundancy, Adjustable Air Shroud Dual Redundant **920W Redundant High-efficiency 80 PLUS** minimum gold level (94%+) Power Supply
Optional	Compatible **Solid state SAS hard drive** option with 12GB/S Fiber optic HBAs up to 4 port 8 GB/s
OS Compatibility	Microsoft Windows Server, Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES),Oracle Solaris VMware, Citrix Xen Server (University Academic License, OEM software to be installed)

6.NAS STORAGESERVER: SuperMicro Price Rs.485011/- (all inclusive)

CPU:	2 Nos. of Intel Xeon E5 2620 V2 2.2 GHz 6 Cores/20 threads 25mb cache CPU
Main board	Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family Intel® C602 chipset; QPI up to 8.0GT/s Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets,2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 UIO PCI-E 3.0 x8 (for SMC UIO HBA) or 1 PCI-E 2.0 x4 (in x8) **Dual port 10GBase-T** 8x SATA2 and 2x SATA3 ports 8x SAS2 ports from LSI 2208 Integrated , IPMI 2.0 and KVM with Dedicated LAN Dual port front and rear USB 3.0, Performance boost with Hyper-Speed
RAM	**16 GB / 32 GB** of 1866/1600 ECC DDR3 SD RAM with maximum 72 Bit, 240 Pin Gold Plated DIMMs, to support up to maximum 1 TB **16 X DIMM** sockets
Storage	**6 nos of 2TB** ENTERPRISE SAS , capacity with MAXIMUM CAPACITY TO HOLD **8x 3.5" Hot-swap SAS / SATA Drive Bays** Spinning at 7200 RPM for mission-critical performance FCAL & SAS interfaces for reliable data throughput Advanced Power Management optimizes power consumption 64MB cache buffer – largest in the industry Self-encrypting models conform to TCG's Enterprise specification 5-year limited warranty
Network	At least Dual port Giga lane 10G base T
Graphics	Compatible Onboard or Graphic accelerator card
Expansion	**1x slim DVD W/R ROM** with 7x full length Expansion slots
Keyboard/ Mouse	cord less or wireless
Audio	Onboard
Chassis	Compatible **2U rack mount** 7x Full-height, Full-length Expansion Slots 100% Cooling Redundancy, Adjustable Air Shroud Dual Redundant **920W Redundant High-efficiency 80 PLUS** minimum gold level (94%+) Power Supply
Optional	Compatible **Solid state SAS hard drive** option with 12GB/S
Key features	**iSCSI Functionality-**IP Address restrictions, CHAP, MPIO, iSCSI Failover, SCSI-3 persistent reservation, Session Management **NAS Functionality-**Windows Active Directory/Primary Domain Controller, NIS, Intern/external LDAP, ADS and NIS User/Group ID Synchronization, File System with Journaling, User and Group Quota, Antivirus,**Network Clients & Protocol-**Supports Windows, Linux, Unix, Mac OS 8.0 - 10.5.8, X, SMB/CIFS, FTP, Secure FTP, HTTPS, Apple Talk, NFS v2, v3, iSCSI, Fibre Channel **Backup-**WORM, NDMP v3.0, Backup-Agents (Backup Exec®, Retrospect®, BrightStor®), Data (File) Replication, Volume Replication

5. 42 U Server rack Rs.40500 + Rack Rs.2200 each (all inclusive)
6. Multi function printer color model : HP 576DW Price per unit Rs 46500=00(All inclusive)
7. Multi function printer mono: HP 3620 PSCF Price per unit Rs. 9991=00 (all inclusive)
8. Epson LX 310 Price per unit Rs.8900 (all inclusive)
9. Smart-UPS(Numeric) On-Line 5KVA/230V with battery 8 Nos. 1/2 Hr. backup
   Price per 5 KVA unit Rs.92672/- (all inclusive)
10. Smart-UPS (Numeric) DP 8KVA /230 V with battery 10 Nos. 1/2 Hr. backup
    Price per 8KVA unit Rs.148906(all inclusive)

Output Power Capacity	8000 Watts / 8000 VA Max Configurable Power 8000 Watts / 8000 VA5000 Watts/5000VA Max Configurable Power 5000 Watts / 5000 VA
Nominal Output Voltage	230V Output Voltage Note Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	95.0% Output Voltage Distortion Less than 5% at full load
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal Crest Factor up to 5 : 1
Waveform Type	Sine wave
Bypass Internal Bypass (Automatic and Manual), Optional External Bypass Input Nominal Input Voltage 230V, Includes: CD with software, Smart UPS signaling RS-232 cable, User Manual	

11.. CCTV SURVILANCE DEVICE: CPPLUS
     Price 8 Channel   unit Rs.14500 (all inclusive)
     Price 16 Channel unit Rs.19500(all inclusive)
     Price 24 Channel unit Rs.32500(all inclusive)
     Price 32 Channel unit Rs.35500(all inclusive)
     Price 32 Channel unit Rs.48500(all inclusive)

Feature	Specification for 8/16/24/32/ channel Enterprise DVR
Processor	High performance Dual-core embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
User Interface	GUI
Control Devices	Front panel, USB mouse, IR remote control, Keyboard, Network
Video Input	16 channel /24 channel / 32 Channel/ 64 channel , BNC
Video Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)
Compression	H.264 / G.711
Video Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Audio Output	1 channel, BNC
Motion Detection	Zones: 396(22×18)
Hard Disk	2 SATA ports (2HDDs or 1HDDs+1CD/DVD-RW), up to 8TB
Smart Phone	iPhone, iPad, Android, Windows Phone
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips
Recording Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search

Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Fullscreen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device / Network / Internal SATA burner
Interface Ports	2 USB Ports, 1 RJ45, 1 RS232, 1 eSATA & RS485 Port
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Max User Account	20 users
Ethernet	RJ-45 port (10/100M/1000M)
Protocols	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server
Remote Operations	Monitor, PTZ control, Playback, System setting, File download, Log information
Power Supply	DC12V/ 3.3A

12.   SURVILANCE DEVICE CAMERA: CPPLUS

Camera Dome Price Dome Camera unit Rs.10500/- (all inclusive) Bullet Price Bullet unit Rs.11200/-(all inclusive) Price PTZ with optical/digital zoom unit Rs.11200 (all inclusive)		
Image Sensor	1/3" Super HAD / CCD II or 1/3" EX view HAD CCD II	
Effective Pixels	976(H) x582(V), 570K pixels	976(H) x 494(V), 480K pixels
Horizontal Resolution	**Color: 700TVL, B/W: 750TVL**	
Electronic Shutter	1/50s~1/100,000s, 10s~1/100,000s@Slow shutter, 512x	1/60s~1/100,000,
		8s~1/100,000s@Slow shutter, 512x
Synchronization	Internal / External	
Min. Illumination	0.8 LUX day and F2.0/0 LUX with IR ON	
Sync to noise Ratio	More than 50dB	
Video Output	1V p-p Composite Output (75Ω/BNC)	
Camera Features		
OnScreenDisplay	English	
Day/Night	Auto (ICR) / Color / B/W	
Backlight Compensation	BLC / HLC / WDR (75dB)	
White Balance	Auto Trace WB1 / Auto Trace WB2 / Manual / Auto	
Gain Control	Auto / Manual	
Gamma Correction	Up to 0.45	
Noise Reduction	2D / 3D	
Privacy Masking	Up to 4 areas	
Digital Zoom	Magnitude / Horizontal / Vertical	
Picture Adjustment	Mirror / Contrast / Sharpness / Hue / Gain/ Slow Shutter	
Lens		
Focal Length	2.7~9mm or 6 ~ 8 mm fixed	
Focus Control	Manual	
Lens Type	Manual / Auto iris	
Mount Type	C / CS	

Auxiliary Interface	
RS485	1 Port
General	
Power Supply	AC24V±10% or DC12V±10%
Power Consumption	< 7 watt
Working Environment	-30°C~+60°C / 20%~80%RH
Certification	CE , FCC certified
IP rating	66

13. Cable with 18/2 power Cable Whit**e** Jacket, 500/1000 feet in Box
                  Price per 500 meter box Rs.11/per meter (all inclusive)
                  Price per 1000 meter box Rs.11/per meter (all inclusive)

14. CAT6/RJ45 Network 4-pair UTPCable; Price per box Rs.5670 (all inclusive)

15. I/O Termination with Base plate, cat6 cable, laying with conduit, patch cord with labour and materials per termination Price per Unit Rs. 1000/- (all inclusive)

16. Power supply 16 combine connected Over multi core cable Unit: Price per Unit Rs. 5000/- each (all inclusive)

    Power supply 8 combine connected Over multi core cable Unit: Price per Unit Rs. 2700/- each (all inclusive)

    Power supply 4 combine connected Over multi core cable Unit: Price per Unit Rs. 1700/- each (all inclusive)

    Switch mode power supply with output of **12V DC/ 16 A to 20 A** power supply **Wall mountable fused for each camera** for continues protection from Short circuit in cabling and or lightening With **cooling DC Fan** for 24x7 operation.

17. Cabling, Casing,Caping complete Installation (Rates Per Meter)Rs**.115**/-p.m. **(all inclusive)**

18. Hard disk for used in DVR for backup: Price per Unit

Specifications	2 TB Rs.6500 (all inclusive)	1 TB Rs.4500 (all inclusive)
Formatted capacity1	2,000,398 MB	1,000,204 MB
User sectors per drive	3,907,029,168	1,953,525,168
Form factor	3.5-inch	3.5-inch
RoHS compliant2	Yes	Yes
Data transfer rate (max)Buffer to hostHost to/from drive (sustained)	6 Gb/s (EURX)3 Gb/s (EURS)130 MB/s	6 Gb/s110 MB/s
Cache (MB)	64	64
Rotational speed (RPM)	IntelliPower	IntelliPower
Load/unload cycles3	300,000	300,000
Non-recoverable read errors per bits read	<10 in 1014	<10 in 1014
Temperature (°C, on the base casting)OperatingNon-operating	0 to 70-40 to 70	0 to 70-40 to 70
Shock (Gs)Operating (2 ms, read/write) Operating (2 ms, read)Non-operating (2 ms)	3065250	3065300
Acoustics (dBA) IdleSeek (average)	2324	2324

19. Monitor for display of DVR play: T.V. Display system with sound including wall mounting kit: AOC Price per 32" TV Unit Rs.22000(all inclusive)
                AOC Price per 42" TV Unit Rs.41000 (all inclusive)

20. Display Monitor System: Price per 23.6" Display Unit LG Rs.25000/-(all inclusive)
                              Price per 20" Display Unit LG Rs6550/- (all inclusive)

Display Monitor Specifications:

		20 Wide (508.05 mm diagonal)
Display Size	23.6 Wide (598 mm diagonal)	20 Wide (508.05 mm diagonal)
Native Resolution	1920 x 1080	1600 x 900
Response Time	2 ms (GTG)	5 ms
Interfaces	Analog (D-sub) , HDMI	Analog(D-sub) , DVI-D
Viewing Angle (horizontal)	170° (H)	170° (H)
Viewing Angle (vertical)	160° (V)	160° (V)
Speaker	N/A	N/A
Luminance	250 Cd/m^2	250 Cd/m^2
Contrast Ratio	1000:01:00	1000:01:00
Dynamic Contrast Ratio	20,000,000:1	: 20,000,000:1
Pixel Pitch	0.248 mm	0.2768 mm
Colors Supported	16.7 Million	16.7 Million
Frequency Range (Horizontal)	30-83 KHz (H)	30-83 KHz (H)
Frequency Range (Vertical)	50-76 Hz (V)	50-76Hz (V)
On Screen Controls	Luminance, Image Setup, Color Temperature, Color Boost, Picture Boost, OSD Setup, Extra, Reset, Exit.	Luminance, Image Setup, Color Temperature, Color Boost, Picture Boost, OSD Setup, Extra, Reset, Exit.
Power	24 W (Typical)	20W (Typical)
Power Supply	100-240 VAC; 50/60 Hz	100-240 VAC; 50/60 Hz

26. Smart-UPS(NUMERIC MAKE) On-Line 5KVA/230V with battery 8 Nos. 1/2 Hr. backup
    Price per 5 KVA unit Rs.98764/- (all inclusive)
27. Smart-UPS(NUMERIC MAKE) DP 8KVA /230 V with battery 10 Nos. 1/2 Hr. backup
    Price per 8KVA unit Rs.184965(all inclusive)

SMART ON-Line UPS specifications:

Output Power Capacity	8000 Watts / 8000 VA Max Configurable Power 8000 Watts / 8000 VA5000 Watts/5000VA Max Configurable Power 5000 Watts / 5000 VA
Nominal Output Voltage	230V Output Voltage Note Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	95.0% Output Voltage Distortion Less than 5% at full load
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal Crest Factor up to 5 : 1
Waveform Type	Sine wave
Bypass Internal Bypass (Automatic and Manual), Optional External Bypass Input Nominal Input Voltage 230V, Includes: CD with software, Smart UPS signaling RS-232 cable, User Manual	

Schedule –A Specifications For HP Items from

M/s. KARE Peripherals Pvt.Ltd.

1.   42 U Server rack   Rs.41062 + Rack Rs.1687 each (all inclusive)
2 .   DOT MATRIX PRINTER 136 COLUMN:
3.   Epson 2175 Price per unit   Rs.13041/- (all inclusive)
4.   Epson 2190 Price per unit   Rs.35259/- (all inclusive)
5.   Epson 1050LQ Price per unit   Rs.15335/- (all inclusive)
6.   Epson 2090 LQ Price per unit   Rs.21945/- (all inclusive)
7.   Epson LQ 310 Price per unit   Rs.10510/- (all inclusive)
8.   HP Laser Printer Mono401D Price per unit   Rs.19817/-(all inclusive)
9.   HP Laser Printer Mono401DN Price per unit   Rs.29219/-(all inclusive)
10.   Information kiosks INP Price per unit   Rs.117562 (all inclusive)
11.   Information kiosks INP Dual display Price per unit Rs.176962 (all inclusive)

12.   CCTV SURVILANCE DEVICE:HIKVISION
      Price 8 Channel   unit   Rs.11990 (all inclusive)
      Price 16 Channel unit   Rs.18990(all inclusive)
      Price 24 Channel unit   Rs.31000(all inclusive)
      Price 32 Channel unit   Rs.38990(all inclusive)

Feature	Specification for 8/16/24/32/ channel Enterprise DVR
Processor	High performance Dual-core embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
User Interface	GUI
Control Devices	Front panel, USB mouse, IR remote control, Keyboard, Network
Video Input	16 channel /24 channel / 32 Channel/ 64 channel , BNC
Video Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)
Compression	H.264 / G.711
Video Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Audio Output	1 channel, BNC
Motion Detection	Zones: 396(22×18)
Hard Disk	2 SATA ports (2HDDs or 1HDDs+1CD/DVD-RW), up to 8TB
Smart Phone	iPhone, iPad, Android, Windows Phone
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips
Recording Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Fullscreen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device / Network / Internal SATA burner
Interface Ports	2 USB Ports, 1 RJ45, 1 RS232, 1 eSATA & RS485 Port

Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Max User Account	20 users
Ethernet	RJ-45 port (10/100M/1000M)
Protocols	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server
Remote Operations	Monitor, PTZ control, Playback, System setting, File download, Log information
Power Supply	DC12V/ 3.3A

13.   SURVILANCE DEVICE CAMERA: HIKVISION

Camera Dome Price Dome Camera unit Rs.13520/- (all inclusive) Bullet Price Bullet unit Rs.13400/-(all inclusive) Price PTZ with optical/digital zoom unit Rs.48900 (all inclusive)		
Image Sensor	1/3" Super HAD / CCD II or 1/3" EX view HAD CCD II	
Effective Pixels	976(H) x582(V), 570K pixels	976(H) x 494(V), 480K pixels
Horizontal Resolution	**Color: 700TVL, B/W: 750TVL**	
Electronic Shutter	1/50s~1/100,000s, 10s~1/100,000s@Slow shutter, 512x	1/60s~1/100,000, 8s~1/100,000s@Slow shutter, 512x
Synchronization	Internal / External	
Min. Illumination	0.8 LUX day and F2.0/0 LUX with IR ON	
Sync to noise Ratio	More than 50dB	
Video Output	1V p-p Composite Output (75Ω/BNC)	
Camera Features		
OnScreenDisplay	English	
Day/Night	Auto (ICR) / Color / B/W	
Backlight Compensation	BLC / HLC / WDR (75dB)	
White Balance	Auto Trace WB1/ Auto Trace WB2/Manual / Auto	
Gain Control	Auto / Manual	
Gamma Correction	Up to 0.45	
Noise Reduction	2D / 3D	
Privacy Masking	Up to 4 areas	
Digital Zoom	Magnitude / Horizontal / Vertical	
Picture Adjustment	Mirror / Contrast / Sharpness / Hue / Gain/ Slow Shutter	
Lens		
Focal Length	2.7~9mm or 6 ~ 8 mm fixed	
Focus Control	Manual	
Lens Type	Manual / Auto iris	
Mount Type	C / CS	
Auxiliary Interface		
RS485	1 Port	
General		
Power Supply	AC24V±10% or DC12V±10%	
Power Consumption	< 7 watt	
Working Environment	-30°C~+60°C / 20%~80%RH	
Certification	CE , FCC certified	
IP rating	66	

14. Cable with 18/2 power Cable White Jacket, 500/1000 feet in Box
                    Price per 500 meter box Rs.24/per meter (all inclusive)
                    Price per 1000 meter box Rs.24/per meter (all inclusive)
15. CAT6/RJ45 Network 4-pair UTPCable; Price per box   Rs.5670 (all inclusive)
16. I/O Termination with Base plate, cat6 cable, laying with conduit, patch cord with labour
    and materials per termination Price per Unit   Rs. 1000/- (all inclusive)
17. Power supply 4/8/16 connected Over multi core cable Unit: Price per Unit Rs.9315/-
    each (all inclusive)**Switch mode power supply** with output of **12V DC/ 16 A to 20 A**
    power supply **Wall   mountable fused for each camera** for continues protection from
    Short circuit in cabling and or lightening   With **cooling DC Fan** for 24x7 operation.
18. Cabling, Casing, Caping complete Installation (Rates Per Meter) Rs**.**65/-p.m. **(all inclusive)**
19. Hard disk for used in DVR for backup: Price per Unit

Specifications	2 TB **Rs.6500** (all inclusive)	1 TB **Rs.4500** (all inclusive)
Formatted capacity1	2,000,398 MB	1,000,204 MB
User sectors per drive	3,907,029,168	1,953,525,168
Form factor	3.5-inch	3.5-inch
RoHS compliant2	Yes	Yes
Data transfer rate (max)Buffer to hostHost to/from drive (sustained)	6 Gb/s (EURX)3 Gb/s (EURS)130 MB/s	6 Gb/s110 MB/s
Cache (MB)	64	64
Rotational speed (RPM)	IntelliPower	IntelliPower
Load/unload cycles3	300,000	300,000
Non-recoverable read errors per bits read	<10 in 1014	<10 in 1014
Temperature (°C, on the base casting)OperatingNon-operating	0 to 70-40 to 70	0 to 70-40 to 70
Shock (Gs)Operating (2 ms, read/write) Operating (2 ms, read)Non-operating (2 ms)	3065250	3065300
Acoustics (dBA) IdleSeek (average)	2324	2324

20. Monitor for display of DVR play: T.V. Display system with sound including wall
    mounting kit: SONY Price per 32" TV Unit   Rs.35640(all inclusive)
                    SONY Price per 42" TV Unit   Rs.56300 (all inclusive)
21. Display Monitor System: Price per 23.6" Display Unit LG Rs.12708/-(all inclusive)
                    Price per 20" Display Unit LG Rs7563/- (all inclusive)

Display Size	23.6 Wide (598 mm diagonal)	20 Wide (508.05 mm diagonal)
Native Resolution	1920 x 1080	1600 x 900
Response Time	2 ms (GTG)	5 ms
Interfaces	Analog (D-sub) , HDMI	Analog(D-sub) , DVI-D
Viewing Angle (horizontal)	170° (H)	170° (H)
Viewing Angle (vertical)	160° (V)	160° (V)
Speaker	N/A	N/A
Luminance	250 Cd/m^2	250 Cd/m^2
Contrast Ratio	1000:01:00	1000:01:00
Dynamic Contrast Ratio	20,000,000:1	: 20,000,000:1
Pixel Pitch	0.248 mm	0.2768 mm

Colors Supported	16.7 Million	16.7 Million
Frequency Range (Horizontal)	30-83 KHz (H)	30-83 KHz (H)
Frequency Range (Vertical)	50-76 Hz (V)	50-76Hz (V)
On Screen Controls	Luminance, Image Setup, Color Temperature, Color Boost, Picture Boost, OSD Setup, Extra, Reset, Exit.	Luminance, Image Setup, Color Temperature, Color Boost, Picture Boost, OSD Setup, Extra, Reset, Exit.
Power	24 W (Typical)	20W (Typical)
Power Supply	100-240 VAC; 50/60 Hz	100-240 VAC; 50/60 Hz

22.	BIOMETRIC DEVICE:	Face Recognition Based Attendance system;
	Price per unit		Rs.73500 (all inclusive)
	Price per unit		Rs.71050 (all inclusive)
	BIOMETRIC DEVICE:	Finger Based Attendance system;
	Price per unit		Rs.13781/-(all inclusive)

Item	Description
Biometric	Face / Finger Based Attendance system
CPU	TI DM 600 MHz / 667MHz RISC, 533MHz DSP
User Capacity	500 / 1400 or / 400,000 templates (1:1), 20,000 templates (1:N) / 200,000 User Capacity
Record Capacity	150, 000 / 1,000,000 events / Fingerprint: 1,000,000 / Image: 5,000
Recoginition	Dual Sensor V 3.0
Sensor	Specialized double sensor
Verification Method	Card + Face / Face only / Finger / Optical - Face detection & videophone
Verification Speed	Less than 1 sec. 500 User / 1 to 3,000 identification in 1 sec
Keyboard	4*4 Touch Keypad
LCD	3.5 inch TFT Color / 5.0 inch WVGA touchscreen
Communication	TCP/IP / Wireless LAN (optional), TCP/IP, RS485 / PoE
Data Transfer	USB Host / RS 232
Memory	1GB SD card – 70,000 Images / 1GB Flash + 256 MB RAM / SD card slot
Access control	Standard Wiegand 26/34 bit output / Deadbolt, EM lock, door strike, automatic door
Card Recognition	EM RF ID (125 KHz) of Mi FARE Card / 125KHz EM, 13.56MHz Mifare/DesFire
Certification	CE FCC Class A, ROHS, ISO 9001
Sound	16 bit Hi-Fi voice & sound indication

23. **Thin Client System Linux/Windows**

Price per unit Rs.19129/- (all inclusive) Linux
Price per unit Rs.23660/- (all inclusive) Windows

Thin PC	Thin client / zero client PC
Processor	Intel Atom 1.8 GHz or Equialant
RAM	2 GB
Video Graphics	Integrated
Hard Disk	2/4 GB Sata Flash
Interface	10/100/1000 Giga Port
I/O	Keyboard / Mouse / VGA / USB (wireless)
Monitor	18.5" LCD /LED
Optional	WLAN / Terminal Emulation / Embedded Antivirus
Browser Support	Internet Explorer / Mozila Firefox
OS	Windows Embedded / Linux (University Campus License)

24. Smart-UPS(APC) On-Line 5KVA/230V with battery 8 Nos. 1/2 Hr. backup
Price per 5 KVA unit **Rs.98764/- (all inclusive)**

25. Smart-UPS(APC) DP 8KVA /230 V with battery 10 Nos. 1/2 Hr. backup
Price per 8KVA unit **Rs.184965(all inclusive)**

Output Power Capacity	8000 Watts / 8000 VA Max Configurable Power 8000 Watts / 8000 VA5000 Watts/5000VA Max Configurable Power 5000 Watts / 5000 VA
Nominal Output Voltage	230V Output Voltage Note Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	95.0% Output Voltage Distortion Less than 5% at full load
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal Crest Factor up to 5 : 1
Waveform Type	Sine wave
Bypass Internal Bypass (Automatic and Manual), Optional External Bypass Input Nominal Input Voltage 230V, Includes: CD with software, Smart UPS signaling RS-232 cable, User Manual	

26. Multimedia Projector: 0.59 "DLP/ LASER & LED –Laser Hybrid with Screen

Price per 2500 Ansi Lumens unit **Rs. 85500**(all inclusive)

Price per 3000Ansi Lumens unit **Rs 93206** (all inclusive)
with WiFi/USB/LAN enabled, Lamp Life 20000 Hours

Lumens	2500 Ansi / 3000 Ansi
LCD Size	0.59" with MLA (D8)
Native Resolution	WXGA
Brightness (White and Colour)	2,500lm / 2,000lm
Contrast Ratio	3000:1
Lamp Life	20000 Hrs

27.   7"/10"TFT CAPACITIVE TOUCH SCREEN TAB, iBall Make.

Price per 7" unit Rs.11500 (all inclusive)
Price per 10"unit Rs.16620(all inclusive)
Price per 10"unit Rs.17670 with 3G (all inclusive)

Processor	1.2 GHz Dual Core
Voice Call	Yes
Supported Networks	2G: GSM 900, 1800; 3G: UMTS 2100
In The Box	Tablet, Data Cable, Travel Adapter
Operating System	Android 4.1 (Jelly Bean)
Sensors	Geo-magnetic Sensor, Light Sensor, Accelerometer, Proximity Sensor
Memory RAM	1 GB
Storage Internal Storage	8 GB
Expandable Storage Capacity	32 GB
Memory Card Slot type	microSD
Display Type	7 inch TFT Capacitive Touchscreen with 1024 x 600 pixels ,16 M Colors
Wi-Fi	Yes, 802.11 a/b/g/n
3G	Yes
Pre-Installed Browser	Android
Video Playback	Yes , Full HD Playback
Video Formats Supported	H.263, H.264, DivX, WMV, MPEG4
Audio Formats Supported	MP3, WMA, AAC, OGG, eAAC+, AC-3, WAV, apt-X, AAC+, AMR-NB, AMR-WB, FLAC
GPS	Yes, A-GPS, GLONASS
Map Support	Google Maps
Other Connectivity Features	Wi-Fi Hotspot, Wi-Fi Direct, DLNA Support
USB	Yes, USB 2.0
Audio Jack	3.5 mm Headphone Jack
Bluetooth	v3, Supported Profiles(A2DP, AVRCP, OPP, PAN, HSP, SPP, HID)

30.   dnp Supernova ONE 84"/16:10 Screen with black frame   EURO 2417/- Hi-Sea
INR Price per unit Rs.284130(all inclusive)

Schedule –B: **Specifications For OFC/LAN/WiFi /CCTV supply, Laying, Installation and Commissioning as per items specification and rates approved as per rate given below for item wise.**

M/s. KARE Peripherals Pvt.Ltd.

Sr.No. A)	Item Description Fiber Optic	Make	Unit	Rate
1	OFC Multi Mode 6 Core Armored Outdoor Cable – Laser Optimized 50/125 Micron OM3	D-link	Each	76
2	OFC Multi Mode 12 Core Armored Outdoor Cable – Laser Optimized 50/125 Micron OM3	D-link	Each	121
3	OFC Multi Mode 24 Core Armored Outdoor Cable – Laser Optimized 50/125 Micron OM3	D-link	Each	212
4	SC Connector	D-link	Each	208
5	LC Connector	D-link	Each	218
6	Pigtail SC Multimode Fiber Simplex 1-Meter	D-link	Each	203
7	Pigtail LC Multimode Fiber Simplex 1-Meter	D-link	Each	265
8	Fiber Patch Cord LC to SC Multimode Simplex1-Meter OM3	D-link	Each	975
9	Fiber Patch Cord LC to SC Multimode Duplex 1-Meter OM3	D-link	Each	1225
10	LIU 12 Port Loaded with SC Coupler OM3	D-link	Each	2750
11	LIU 24 Port Loaded with SC Coupler OM3	D-link	Each	3750
12	HDPE Pipe 1"	(ISI)	Each	54
13	HDPE Pipe 1.5"	(ISI)	Each	90
14	HDPE Pipe 2"	(ISI)	Each	144
15	Galvanized Pipe 2"	Local	Each	276
16	Fiber Route Marker Metal Painted	Local	Each	287
17	Soft Excavation with back filling per meter		p.mt	162
18	Hard Excavation with back filling per meter		p.mt	210
19	HDPE Pipe laying with fixing per meter		p.mt	14.5
20	Fiber Cable laying per meter		p.mt	14.5
21	Road Cutting and back filling per meter		p.mt	425
22	OTDR Testing per core		Each	120
23	Fiber Splicing per core		Each	150
24	LIU Installation		Each	300
25	Fiber Connectrization		Each	240

B)	Copper UTP Cables			Rate/Unit
1	Cat-5 UTP Cable 305 Meters Box	D-link	Each	4200
2	Cat-5 (I/O, Surface Plate with Back Box)	D-link	Each	190
3	Cat-5 Patch cord 1-meter	D-link	Each	92

4	Cat-5 Patch cord 2-meter	D-link	Each		105.8
5	Cat-5 24 Port Patch Panel	D-link	Each		2800
6	Cat-5 RJ-45 Connector Pack of 50 Nos.	D-link	Each		400
7	Cat-6 UTP Cable 305 Meters Box	D-link	Each		5400
8	Cat-6 (I/O, Surface Plate with Back Box)	D-link	Each		210
9	Cat-6 Patch cord 1-meter	D-link	Each		135
10	Cat-6 Patch cord 2-meter	D-link	Each		155
11	Cat-6 24 Port Patch Panel	D-link	Each		4000
12	Cat-6 RJ-45 Connector Pack of 50 Nos.	D-link	Each		400
13	PVC Conduit Pipe 1"	(ISI)	Each		24.15
14	PVC Conduit Pipe 2"	(ISI)	Each		90
15	PVC Capon Casing 1"	(ISI)	Each		24.5
16	PVC Capon Casing 2"	(ISI)	Each		57
17	PVC Flexible Pipe 0.5"	(ISI)	Each		6.00.
18	PVC Flexible Pipe 1"	(ISI)	Each		9.2
19	PVC Flexible Pipe 2"	(ISI)	Each		34.5
20	PVC Conduit/Capon/Flexible laying any size with Accessories		p.mt		20
21	UTP Cable Laying		p.mt		12
22	Punching of UTP Cable Both Side (I/O and Patch Panel)		Each		100
23	Fixing of I/O with Surface & back box		Each		18
24	Rack Fixing with Cable Dressing		Each		800
25	Installation of Patch Panel		Each		125
26	Installation of Network Switches		Each		150
27	6U Network Rack with Accessories	Valrack	Each		3900
28	9U Network Rack with Accessories	Valrack	Each		4540
29	Tray for Network Rack	Valrack	Each		1095
30	Tray for Server Rack	Valrack	Each		1210
31	Cable Manager for Racks	Valrack	Each		205
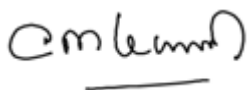
SR. No	Item Description	Make / Brand	Qty	Rate / Unit
C)	**CCTV Camera**: 600TVL Horizontal DOME, Resolution, True Day/Night- Auto Blc, 2.8/3.6/6mm Fixed Lens 0.1Lux/f1.2, 20M IR Distance,	Hik-Vision DS-2CE 3582-IRP	Each	2850
1	Installation and fixing of CCTV Camera with Connector		Each	450
2	Installation of DVR for CCTV with Connector		Each	2500

SR. No	Item Description	Make / Brand	Qty	Rate / Unit
D)	Outdoor WiFi Access Point: IEEE 802/11b/g,/n; IEEE 802.3/3u/3x, SD-Ram 16M Byte, Flash 4M Byte, Modulation: OFDM with BPSk,QPSK,16-QAM, Frequency Band: 11/13/14 channel, Transmission upto 150 or 300Mbps, Interface auto sensing, Antenna: Internel 12dBi / External: RP-SMA type connector, Security 64/128bit wep encryption Wirelesss setting: AP,Client, AP+Client, AP+WDS, Reset button on PoE injector. Built in Firewall	ALCON 2406N	Each	7000
	Wifi Router: IEEE 802.11n upto 300Mbps, 2.4GHz, Fixed 5dBi Antenna, wifi Protected Access, 4 Port built in Lan, Wlan, Realtime Browsing Records.	D-Link DIR-605L	Each	2200
	Wifi Access Point: 10/100Mbps, 2.4GHz, Fixed Antenna, wifi Protected Access, Realtime Browsing Records.	D-link DAP 1360	Each	3200
	Pole 6 feet for Outdoor Wifi & CCTV Camera. Including material and labour.	Local	Each	3795
	Installation and fixing of Wifi Access Point		Each	550

SR. No	Item Description	Make / Brand	Qty	Rate / Unit
1	Pole 6 feet for Outdoor Wifi & CCTV Camera. Including material and labour.	Local	Each	3795
3	Pole 15 feet for Outdoor Wifi & CCTV Camera. Including material and labour.	Local	Each	6727
2	Pole 10 feet for Outdoor Wifi & CCTV Camera. Including material and labour.	Local	Each	5290
3	12U Network Rack with Accessories	Valrack	Each	5050
4	15U Network Rack with Accessories	Valrack	Each	6200
5	24U Network Rack with Accessories	Valrack	Each	21400
6	42U Network Rack with Accessories	Valrack	Each	32715
7	42U Server Rack with Accessories	Valrack	Each	40190

To,

The Directors/Heads of all the University Departments/Institutes/ are hereby informed that, your requirement for Computers and Peripherals etc., the aforesaid rate contract shall be used effectively for purchases after obtaining the necessary purchase permission from the Hon'ble Vice-Chancellor. All the items listed above are approved by the Purchase Committee and therefore the purchase orders can be placed with the respective vendors directly as per the available budget provisions in the respective budget heads of the Departments. In case of any further clarifications needed, please do contact the UCC in this regard.

Co-ordinator,
University Computerisation Centre