



GOVERNMENT OF ANDHRA PRADESH
Office of State Project Directorate
Rashtriya Uchachtar Shiksha Abhiyan

Date: 28.11.2017

From
Shri. G.S. Panda Das, IAS,
Spl. Commissioner of Collegiate Education,
& State Project Directorate – RUSA,
Govt. of Andhra Pradesh,
Vijayawada.

To
The Principals of 56 Colleges of RUSA

File No.112/SPD/RUSA/DCR/2017-18, Dt. 28.11.2017

Important Circular
(Digital Classrooms Equipment)

All the Principals of 56 RUSA Colleges are hereby directed to note the following and follow the instructions without fail.

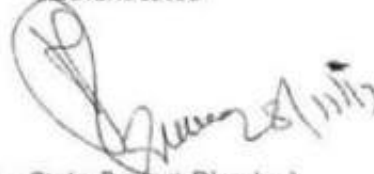
- 1) Each College Identified under RUSA – Phase I will receive Equipment for 3 Digital Classrooms. The items of equipment along with technical specifications for each items is annexed herewith for necessary action at College level.
- 2) The quantity of items to be received by each College is listed in Annexure – I and detailed specification of the items to be supplied is made in Annexure -II.
- 3) As soon as the items are received by the College, the delivery challan, and warranty cards etc. have to be filed safely. Necessary stock entry of the items along with technical description necessary stock entry of the items have to be made immediately by the RUSA – Coordinator and the member designated in PMU for procurement of Equipment.
- 4) Installation of Digital classroom equipment has to be done in the rooms allotted for the purpose. The Digital Classrooms should have good flooring and ceiling along with proper earthing and electrical connections. It being very costly equipment utmost care is to be taken during installation and physical security of the equipment in the college.

- 5) As decided in the meeting held in the O/o CCE on 13/07/2017 with all the RUSA Colleges, the procurement of equipment was completed through E-Procurement procedure duly following the regulations as specified in Go MS No. 12 for e-Procurement.
- 6) Necessary renovations works for Digital Classrooms could be taken up under renovation work of RUSA grants through the executing agency. As mentioned earlier, as far as possible, all 3 Digital Classrooms may be installed in the same block so as to facilitate for networking of 3 Digital Classrooms.
- 7) As networking material other necessary accessories are also supplied by the vender concerned, the service for networking will also be extended by the Vendor only for all these 3 Digital Classrooms.
- 8) After installation of all 5 solutions of equipment (**Fibre net, Virtual Classrooms, Biometric machines, LMS** (to be supplied) and **Digital Classrooms** etc.), separate inspections will be made to each College to evaluate and to examine the proper placement/location, utilization of equipment by faculty of students. Feedback will be also taken from the students to identify any challenges with regard to the equipment utilization, etc.
- 9) With regard to the sound equipment of Virtual Classrooms the existing sound equipment will be replaced by the vendor shortly for effective functioning of the equipment.
- 10) The cost of the equipment for Digital Classrooms shall be paid only after satisfactory report given by the College to O/o CCE – SPD, RUSA. Necessary amount held with O/o CCE will be transferred to the College concerned only after installation of equipment and imparting training etc. to all faculties to utilize the equipment in effective manner.
- 11) Any short coming regarding the Digital Classrooms may please be mailed to O/o RUSA. Not through whatsapp.

Sd/-
Sri. G.S. Panda Das, IAS,
Spl. CCE & SPD – RUSA – AP.

Encl: - Annexure I, II

"Authenticated"



(Dy. State Project Director)

Dy. S.P.D
RUSA
Vijayawada, A.P.

Annexure-I
Schedule - I

Sl.No.	Item Description	Total Qty college wise/ Per college
1	Audio Integrated Wireless Podium	3 Nos.
2	LED Display with Interactive & Computing Device	3 Nos.
3	Laptop	3 Nos.
4	White Board	3 Nos.
5	Server	1 Nos.
6	7.5 Kva Online UPS System	1 Nos.
7	3 Kva Online UPS System	1 Nos.
8	24-port Gigabit Fast Ethernet Web Managed L2 Switch	2 Nos.
9	Wireless Access Point	5 Nos.
10	UTP CAT 6 Cables	2 Boxes
11	9U Wall Mount Rack with Accessories	1 Nos.
12	Training	Each college wise
13	Networking & Installation	Each College wise

Annexure-II

Detailed specifications of the items to be supplied

Schedule-II

Items	Configuration Required	Order Qty (Nos.)		
Item	Audio Integrated Wireless Podium	3		
Make & Model	Crescendo & Audio Podium 60DP			
Form Factor	All in one Podium			
Body Quality	High quality wooden top with MS body Powder coating and 1.5mm cold rolled steel body, Top with provision for placing Books, Visualizer, Scanner etc.,			
Amplifier	60W Max., 50W RMS at 10% THD 1 × Mic 1mV/4.7kΩ (Priority), 1 × Aux 100mV/20kΩ MP3 Player with USB Reader 150Hz-15kHz 60dB, 10dB at 10kHz			
External Speaker	2 Nos. 2 way 30W wall mounted Speakers			
Devices	Gooseneck Mic X 1- Frequency Response-20-18,000Hz, Impedance-1000Ω, Sensitivity-7.5mV/Pa, Power Source- 1.5V-9V DC, Overall Length-585mm (23")			
VHF Wireless Receiver	VHF Wireless Receiver X1, Frequency Stability-± 0.005%, Audio Output-0-50mV adjustable, Signal To Noise Ratio->90dB, Distortion-< 0.5%, Antenna Type- Telescopic, Power Requirement- AC: 220-240V 50hz for AC adaptor, Controls- Power switch, Output Volume Control, Indications- Red LED for Power ON, Green LEDs for RF			

Items	Configuration Required	Order Qty (Nos.)	Unit Price inclusive of Taxes (Rs.)	Total Price inclusive of Taxes (Rs.)
Item	9U Wall Mount Rack with Accessories	1		
Make & Model	Netrack			
Item required	Suitable 9U Wall Mount Network Rack			
Accessories	With required cables, power cords, media drivers etc., shall be provided and make the item operational			

Items	Configuration Required	Order Qty (Nos.)		
Item	Training	Each college		
Make & Model	Training (2) and O & M for 3 Years per college			
Training	<p>Training session to 2 faculty members of each college</p> <p>1st Training session to be conducted after completion of the installation at college level.</p> <p>2nd Training session need to be given after completion of 50 days of 1st Level training.</p> <p>Manpower placement in all the 13 districts of the state.</p>			
Venue	Within Andhra Pradesh Preferably Vijayawada			

Items	Configuration Required	Order Qty (Nos.)		
Item	Networking & Installation	Each college		
Make & Model	Networking & Installation each college			
Networking	As per the requirement of college, necessary I/O boxes & Casing shall to be placed.			
Power cables for UPS	As per the requirement of college, necessary casing & capping boxes, shall to be placed.			

Price
Rs.)

Unified Communication apps	encrypted videoconferencing, voice, chat and desktop sharing.
RF Radio Management	Shall have Radio Management technology that ensures that APs stay clear of all sources of RF interference to deliver reliable, high-performance WLANs. Shall be able to configure to provide part-time or dedicated air monitoring for spectrum analysis and wireless intrusion protection
AP should Support	Wireless AP should support 10/100/1000 Base-T PoE Port and "POE Injector"
No. of Clients supported	Should support 30-40 clients per AP
Certifications	Wi-Fi Alliance (WFA) Certified 802.11 a/b/g/n/ac UL2043 Plenum rating
Interoperability	Seamless interoperability
Security	Shall have Kensington security slot
Mounting Kit	Shall include Ceiling Mounting Kit from the Same OEM
Warranty	Shall include comprehensive on-site support during the contract period
	Wired and Wireless should from the same OEM

Items	Configuration Required	Order Qty (Nos.)		
Item	UTP CAT 6 Cables	2 Boxes		
Make & Model	Molex			
Technical Certification	4 Pair with ETL test report for channel and zero-bit error. All UTP components should be from the same OEM.			
OEM Certifications	OEM should be an ISO 9001:2000 certified for design, development, manufacturing of copper & fibre cables and components. Required to furnish the documentary proof.			
Additional Requirements	In the changing needs of the Global resources if the company has environmental management systems in place like ISO 140001 accreditation the same shall be added advantage.			
Support Warranty – only for Cable	Cabling should be certified to have application support warranty for next 15 years or higher.			

	Indication Receiving Method- Non-diversity, Dimensions- W200 × H55 × D155 mm
VHF Handheld Microphone-	VHF Handheld Microphone X1, RF Output Power-10mW (Max.), Modulation Mode- FM Microphone Element- Dynamic, cardioids Frequency Response: 40-15,000Hz, Current Consumption-<30mA, Controls- On/Mute/Off Switch, Indication- Red LED for Mic ON Dimensions- Ø48 × L240 mm, Weight-250g (w/o battery)
VHF Tie-Clip Microphone	VHF Tie-Clip Microphone X1, RF Output Power-10mW (Max.), Modulation Mode- FM Microphone Element- Condenser, cardioids Frequency Response-40-12,000Hz Current Consumption-<30mA, Controls- On/Mute/Off Switch, Volume control Indication- Green LED indicating power of cells Dimensions- W63 × H33 × D100mm, Weight-90g (w/o battery)
Podium Color options	Black, IVORY/Silver
Features	Built-in Amplifier 60W Digital Player with USB Reader Wireless remote control, Flexible Gooseneck Microphone, VHF Handheld and Collar Microphone, AUX Input, Line Output, Tone control, AC 220V Operation, Steel Body Power coated, Wooden Top (Size 30" x 20"), Overall height 46", 30W (wall mounted) two way Speakers- 2Nos.

Items	Configuration Required	Order Qty (Nos.)		
Item	LED Display with Interactive & Computing Device	3		
Make & Model	Newline - FB70			
Display	LED - Backlight			
LED Screen Size	70-inch and above			
Android Processing	Arm Cortex A53-4 core 1.4 GHz, 2Gb RAM, 8 Gb ROM, Android 5.0.1			
Display Resolution	1920 X 1080 Pixel			
Scale	16:09			
Display Colours	10 bit			
Brightness	370 nits			
Contrast	4000:01:00			
Response Time	8 ms			

	IEC 62040-3
	CE Certificate of the Quoted Model
	NTH Test Report of the quoted UPS
ROHS compliance	UPS should be self-declared ROHS Compliant
Warranty	36 months including battery

Items	Configuration Required	Order Qty (Nos.)		
Item	24-port Gigabit Fast Ethernet Web Managed L2 Switch	2		
Make & Model	HPE 1920S 24G 2SFP Switch			
Architecture	Shall be 1RU, 19" Rack Mountable, 24 RJ-45 autosensing 10/100/1000 ports, 2Gigabit SFP slots in addition to the above ports, 1 RJ-45 serial console port, 256MB SDRAM and 64 MB flash, Shall have switching capacity of 50 Gbps, Shall have up to 38 million pps switching throughput, Shall provide Gigabit (1000 Mb) Latency of <2 μ s			
Resiliency	Shall support IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol IEEE 802.3ad Link Aggregation Control Protocol (LACP)			
Layer 2 Features	Shall support Up to 8K MAC address table Up to 4,000 IEEE 802.1Q-based VLANs Jumbo frames on GbE ports Internet Group Management Protocol (IGMP) Multicast Listener Discovery (MLD) snooping IEEE 802.1AB Link Layer Discovery Protocol (LLDP) Voice VLAN feature to automatically assigns VLAN and priority to devices like IP phones			
Layer 3 Features (any additional licenses required shall be included)	Static Routing for IPv4 Static Routing for IPv6 (any additional licenses required shall be included)			
QoS and Security Features	Supports Access Control Lists (ACLs) - Enables network traffic filtering by creating an ACL Advanced classifier based QoS Classifies traffic using multiple match criteria based on Layer 2, 3, and 4 information IEEE 802.1x to provide port-based user authentication with			

	Onboard System's CPUARM Cortex A53 4*core 1.4GHz or higher
	Onboard System's GPUARM Mali450 6*core 600MHz or Higher
	Onboard System's RAM2GB or Higher
	Onboard System's ROM8GB or Higher
	Onboard system Android Version support5.0.1 or Latest
	Other features of on board systemThe onboard systemdirect print, Annotation, saving and selecting the inputs and changing the volume and so on
Technical Requirements	IECEEIEC System for Mutual Recognition of Test Certificates for Electrical Equipment (IECEE) CB Scheme CE-EMCElectromagnetic Compatibility (EMC) Directive CE-LVDThe Low Voltage Directive (LVD) ERP ReportEnterprise Resource Planning Report FCC CertificateFederal Communications Commission Certificate RoHS ReportRestriction of Hazardous Substances Certificate BIS Certificate
Interface ports	
Built in Wifi	The touch interactive display must have inbuilt WiFi. So that the presenter shall visit the internet to show/access the content/information even without PC/LAPTOP
Power Supply	220 V AC, 50/60Hz
Power Consumption	Standby: <0.5W Working: 220W
Working Humidity	≤88% RH
Working temperatures	0 to 40°C
CPU	i3
GPU	Intel HD Graphics
RAM	4 GB
Hard Disk	500 GB
OS	Windows 10
Cabinet	Sliding door with locking facility for Display
Visualizer	Camera & Lens Camera Type-CMOS Camera Resolution-2 megapixel or better Camera Rotation-Vertically 320 degree or better Lens Optical Zoom-12X Optical Zoom or better Lens Digital Zoom-10X Digital Zoom or better Shooting Area-A3 or more Image frame Rate-30fps or better
	Equipment Specification Image processing feature-The equipment shall have these specified features: On Board Memory to store 30 or more images, Memory Card, On board LCD display, White Balance, Image Split, On board Annotation, Magnification, Mask, White Board, PIP, Negative / Positive Conversion, Black / White and Color Selection, Image Freeze, Mirror, Mouse Control Build-in LED Arm lamp-The equipment must have LED lamp with

Nominal Output
Frequency
Regulation
Output Rate
%

Nominal Output Frequency	50 or 60Hz
Output Frequency Regulation	$\pm 0.1\text{Hz}$
Output Frequency Slew Rate	$< 1\text{Hz/sec}$
Output Wave Form	Pure sine wave
Output Voltage Distortion (THDu)	$< 3\%$ for linear load & $< 5\%$ for non-linear load.
Crest Factor	3:1 On Full Load (Minimum)
Output Short circuit Protection	Electronic Protection
Transfer Time	
Transfer Time (Mode of operation)	Zero ms from Mains mode to Battery Mode
	Zero ms from Battery Mode to Mains mode
Transfer Time (Inverter to Bypass / Bypass to Inverter)	2~4ms
Automatic Bypass switch	UPS should be capable of automatic change over to bypass.
Efficiency [At Nominal Voltage & Resistive Load up to kW rating of UPS]	
Overall Efficiency (AC to AC) - Online (Double Conversion)	Upto 90% (at 100% load)
Overload	
Inverter Overload capacity	$< 105\%$ for Continuous, $< 105\sim < 110\%$ for 10Min, $< 115\sim < 130\%$ for 60Sec
Display Panel (In-built LC Display)	
UPS working Status	Mains Mod, Bypass Mode, Battery Mode, ECO Mode
Measurements (On LCD)	Input: Voltage & Frequency, Output: Voltage & frequency, Battery: Voltage, Battery Level Bar Graph, Load Level Bar Graph.
Fault Indication (On LCD)	Low Battery, Battery Fault, Overload, Inverter Fault
Setable data	Inverter Voltage, Inverter Frequency, Bypass Range, Buzzer & Overload alarm
Alarms	
Audible Alarms	Low Battery, Overload, Battery Fault, Battery not connected, Battery over charge, Charger failure, load on bypass, Inverter Fault
Battery Backup / Battery Bank & Charger	
Backup Required	60 min
Battery Bank Voltage	96 V DC
Battery VAH	4032 VAH (12V.42AHx8Nos)
Batteries Type	Sealed Maintenance Free (SMF) - 12V Cells,VRLA,GEL
Battery Makes	Amara Raja / Exide / Panasonic
Number of Battery Banks	Single Bank system.
Minimum Charger Rating (Including internal / external)	The inbuilt charger should be able to deliver charging current equivalent to 10% of Battery Ah rating offered.
Charger type / Charging Method & Charging Voltages	Constant Voltage Constant Current Solid state Temperature Compensated charger
	Float Voltage: 2.25 - 2.26 VPC minimum

Certifications	ENERGY STAR, EPEAT-Registered etc
Security	TPM 2.0
Media Reader	Should support SD, SDHC and SDXC
Dimensions & Weight	Less than 22 mm
	Less than 1.9 Kg

Offered Battery
Rack
Battery End Cell
Voltage
Interfaces
Serial
Com
RS

Items	Configuration Required	Order Qty (Nos.)		
Item	White Board	3		
Make & Model	GM-E3 101			
Type of Material	e-3 Ceramic Steel Magnetic Material			
Colour	White			
Size	1200mm X 2400mm			
Coating	Vitreous Enamel coating			
Thickness	0.3 to 0.4mm Thick Steel Sheet Top & Bottom Thickness - 0.095mm Min Thick on Top & 0.03mm on the back			
Back Support	MDF Board			
MDF Board Density	750Kg/cum			
MDF Board Thickness	9mm			
Finishing	Laminated with 0.25mm thick electro galvanised steel sheet at the back			
Channels	Aluminium Channels			

Items	Configuration Required	Order Qty (Nos.)		
Item	Server	1		
Make & Model	HPE ProLiant ML350 Gen9			
Form Factor	5U Tower Model convertible to Rack			
Processor Type and Speed	2*Intel® Xeon® E5-2623v4 (2.6GHz/4-core/10MB/85W) Processors			
Memory	64 GB SDRAM Scalable to at upto 768GB using DDR4 Reduced DIMM (RDIMM) with 24 DIMM slots. It should be capable of identifying and reporting whether genuine OEM memory is installed for system reliability			
Memory Protection	Advanced ECC with multi-bit error protection and memory online spare mode			
Bays	Minimum 8 internal HDD bays.			
Hard Disk Drives	2*600GB 15K rpm SAS HDD or higher The drive carrier should have intuitive icon based display along			

Offered Battery Rack)	
Battery End Cell Voltage	1.75 VPC

Interfaces

Serial Communication RS232 Port & USB Port should be available	RS2323 Port & USB port should be provided as standard in the UPS.
Interface to NMS (Network Management System) - To be quoted	SNMP Card for connecting the UPS to LAN thru Ethernet port & monitoring thru NMS should be available
Interface to BMS (Building Management System) - To be quoted as option	ModBus Card for connecting to UPS to BMS thru RS485 & monitoring thru BMS

Restart / Testing Capability

Cold Start	UPS should start up On AC Supply (Mains) without DC Supply (Batteries) On DC Supply (Batteries) without AC Supply (Mains)
Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown
Self-Diagnosis	UPS should be capable to carry out self test of Rectifier / Charger / Battery & Inverter module during start-up

Physical

Operating Temperature	0 to 40 deg C at full load and 0 to 50 deg C at 80% load
Storage Temperature	-15 to 50 deg C
Operating Humidity	0% ~ 95%RH (No Condensing)
Operating Altitude	1000 m.a.s.l (meters above sea level)
Type of Cooling	Forced Air
Intelligent Fan Operation	Should have temperature compensated Fan operation
Noise Level	< 60 dbA at 1 meter distance
Form Factor	Tower mountable
Dimension (w x d x h) in mm	W-260mm D-482mm H-871mm
Weight - in kg	UPS - 63 Kgs. Batteries & Rack - 300Kgs

Standard Package of UPS to include the following minimum accessories	1. UPS
	2. CD - Monitoring Software
	3. RS232 Cable
	4. UPS to Battery bank connecting Cable
	5. User Manual

Items	Configuration Required	Order Qty (Nos.)		
Item	7.5 KVA Online UPS System	1		
Make & Model	Numeric, ONFINTI 7.5 KVA FMI			
Capacity	7.5KVA Online UPS			
Technology and Capability	a) True Online configuration with double conversion UPS			
	b) DSP based control, using IGBT devices in Converter & Inverter and high switching frequency PWM (20kHz)			
	c) Active Power Factor Correction (APFC) in converter to improve Input Power Factor> 0.99			
	d) Possibility of enhancing UPS capacity / redundancy by operating UPS in 1+1 Parallel Redundant Configuration (PRS) or Hot standby Configuration.			
	e) Independent battery bank operation of the UPS when operated in PRS			
	f)UPS should be designed at Rated output PF of 0.8 at 7.5kVA			
Input				
Input facility - Phases / Wires	1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground)			
Input Voltage Range	160 - 300V AC (On Full Load) and 110VAC to 300VAC at 50% Load			
Nominal Input Frequency	50 / 60 Hz (Auto selectable)			
Input Frequency Range	45 Hz to 65Hz			
Input Power Factor	> 0.99 on Full Load			
Input Current Harmonic Distortion (THDi)	< 10% on full resistive Load (with Mains THDu less than 1%)			
Generator Compatibility	Compatibility to genet supply required			
Input Protection (Thru In-built Device)	Should provide inbuilt Galvanic Isolation Transformer at the input of the UPS suitable for the full rated capacity of the UPS			
Output				
Nominal Output voltage	220/ 230/ 240VAC (Selectable)			
Output Voltage Regulation	±1%			
Nominal Output Frequency	50 / 60 Hz			
Output Frequency Regulation	+/- 0.05 Hz (Free Running / Self Clocked Mode)			
Output Frequency Slew Rate	< 1 Hz / s			
Output Wave	Pure sine wave			

Form
Output Voltage
Distortion
(THDu)
Crest F
Ou

Form	
Output Voltage	$\leq 2\%$ (For R Load)
Distortion (THDu)	$\leq 5\%$ (For RCD Load)
Crest Factor	3 : 1 On Full Load (Minimum)
Output Short circuit Protection	Electronic / Fused
Transient Response / Recovery	
Transient Response: Dynamic Regulation for 10% to 90% step linear load	+/- 8%
Transient Recovery to steady state condition after 10% to 90% step linear load	< 1 cycle
Transfer Time	
Transfer Time (Mode of operation)	Nil from Mains mode to Battery Mode
	Nil from Battery Mode to Mains mode
Transfer Time (Inverter to Bypass / Bypass to Inverter)	< 2 ms (Synchronized Mode)
Automatic & Bi-directional static by-pass (In-built)	Should be provided to take care of uninterrupted transfer of load from Inverter to bypass (under overload / fault conditions) & automatic retransfer from bypass to inverter (on removal of overload / fault conditions)
Maintenance Bypass	1. UPS should have option for manual maintenance bypass
	2. Transfer of load to maintenance bypass should be without disruption of the connected load
	3. The maintenance bypass should provide for Hot-swap of the faulty UPS for repairs / service
Efficiency (At Nominal Voltage & Resistive Load up to kW rating of UPS)	
Overall Efficiency (AC to AC) - Online (Double Conversion)	upto 90% (On Full R Load)
Overall Efficiency (AC to AC) - ECO Mode (Bypass feeding the load under normal conditions)	> 96 % (On Full R Load)
Overload	
Inverter Overload capacity	115% for 300 sec
	130% for 30 sec
Display Panel (In-built LC Display & LED)	

UPS working Status	Mains Mod, Bypass Mode, Battery Mode & ECO Mode
Measurements (On LCD)	Input: Voltage / Frequency
	Output: Voltage / frequency
	Battery : Battery Voltage / Battery level Bar graph/ Battery Fault
	Load: Load level Bar graph
Fault Indication (On LCD)	Charger Failure
	Battery Failed
	Battery Low
	Overload
Indications (LED)	UPS Startup / Line Mode/Battery Mode / Battery Test / Bypass Mode / UPS Fault
Alarms	
Audible Alarms	Battery Low beep / DC Fault beep/ Battery over charge / UPS Overload beep/ o/p short ckt fault beep/ Over Temperature beep / Load on Bypass
Battery Backup / Battery Bank & Charger	
Backup Required	60 min
Battery Bank Voltage	240V DC or higher
Battery Bank VAh (Vendor to include battery sizing calculations with tender)	12V.42AH x 20Nos 100B0VAH
Batteries Type	Sealed Maintenance Free (SMF) - 12V Cells
Battery Makes	Amara Raja / Exide / Panasonic
Number of Battery Banks	Maximum Two Banks in parallel
Minimum Charger Rating (In-built chargers will be preferred over external chargers)	The charger should be able to deliver charging current equivalent to 10% of Battery Ah rating offered.(In case of external chargers, suitable monitoring of the chargers should be provided in the UPS. Also all external chargers taking AC input must have PFC - Power factor correction)
Charger type / Charging Method & Charging Voltages	Constant Voltage Constant Current Solid state Temperature Compensated charger
	Float Voltage: 2.25 - 2.26 VPC minimum
	Boost Voltage: 2.30 - 2.33 VPC minimum
Battery recharge time (After complete discharge) to 90% capacity	8-10 hours
Battery Housing (Vendor to provide the GA drawings of the	Should be compact and space saving MS steel open racks complete with interconnectors

	with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal.
Raid Controller	HP Smart Array P440 12Gb SAS RAID Controller with - 4GB flash-backed write cache (FBWC) - RAID 0, 1, 10, 5, 50, 6, 60, 10 ADM (Advanced Data Mirroring) Support
Graphics Controller	Integrated Graphics Controller with Min. 16MB Memory
Networking features	Quad Port Gigabit Adapters
Ports	Micro SD slot - 1 USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure)
Optical drive	Internal DVD RW Drive
Power Supply & Fans	Redundant hot-plug system fans Redundant platinum hot plug Power Supplies
Security	Power-on password Setup password Serial interface control Power switch security Administrator's password
OS Support	Microsoft Windows Server, Microsoft Windows Server Hyper-V, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware
OS	Servers Windows Standard Operating System with required No. of Licenses
Remote Manageability Software	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; and should have support for multifactor authentication. 2. Server should have dedicated 1Gbps remote management port. Remote management port should have 4GB NAND flash with 1GB available for user access. 3. Server should support agent less management using the out-of-band remote management port
Server Management	The Systems Management software should provide in physical, local and remote environments. Server Management should give historical data for at least 24 hours.
Warranty	3 years 24x7 Support to be provided directly by OEM during the warranty period
Certifications	Windows and Linux (Red hat & SUSE Linux)
OEM to Maintain the standard like	1. Should have ISO certificate 9001; 2. 80 plus 94% power efficiency 3. Server Management Software and embedded Lifecycle Management
Benchmark	Server Family should have published spec Int_rate_base_2006 & Spec Fp_rate_base_2006 benchmark

Certifications	
Manufacturer	QMS: As per ISO 9001: 2008
	EMS: As per ISO 14001: 2004
	OSHAS: As per ISO 18001: 2007
Product Safety Certifications (Mandatory)	EN - 62040-1
	EN - 62040-2
	IEC - 62040-3
	NTH Test Report
	CE Certificate for the quoted model
Warranty	36 months including battery

Items	Configuration Required	Order Qty (Nos.)		
Item	3 KVA Online UPS System	1		
Make & Model	Numeric, ONFINTI 3 KVA FMI			
Capacity (in kVA / kW)	3kVA - 1-Phase Input / 1-Phase Output			
Technology and Capability	a) True Online configuration with double conversion UPS & Zero transfer time.			
	b) DSP based control with advanced technology.			
	c)Wide Input voltage range from (110 ~ 300VAC)			
	d) Auto restart capability with the Independent battery bank operation of the UPS.			
	e) UPS should be designed at Rated PF of 0.8 i.e. 3kVA UPS rating.			
	f) Generator compatibility with cold start and AC start features.			
Input				
Input facility -Phases / Wires	Single-Phase / 2-Wire & Gnd (1Phase & Neutral + Ground)			
Input Voltage Range	220/230/240VAC			
	Range (Full Load) 160~300VAC			
	Range (Derating to 50%-100% Load) 110~300VAC			
Nominal Input Frequency	50/60Hz \pm 10Hz			
Input Frequency Range	45 to 65 Hz			
Input Power Factor	> 0.99(full load)			
Input Current Harmonic Distortion (THDi)	< 10% on full resistive Load			
Generator Compatibility	Compatibility to genset supply required			
Input Protection	Should provide inbuilt Galvanic Isolation Transformer at the input of the UPS suitable for the full rated capacity of the UPS			
Output				
Nominal Output voltage	220/230/240 VAC			
Output Voltage Regulation	\pm 1% .			

independent operative switch for ON and OFF whenever required LCD preview-The system must have LCD display for pre view purpose. The captured image shall be pre viewed through this display.

Size of Preview LCD display-The diagonal size of the display shall be 3.5" or more.

Aspect of Preview LCD display-e aspect ratio shall of the preview display shall be 4:3. Thus the presenter shall preview any type of capturing content on screen

Ports- Input Connector-HDMI X1 - To connect with any resources VGA X1 - while using VGA port

Audio X1 - To use along with VGA

USB Type A X1 for mouse control

Output Connector-

HDMI X1 - Transmit the signal to other display with equipment with High definition,VGA X1 - Transmit the signal to other display ,Audio

X1 - To use along with VGA ,USB Type B X1 - To connect with PC for Image capturing/Video conferencing function

Operating System Compatibility-Win XP/7/8/10

Power required-12V external AC Adapter

Operating Temperature-+5° C to +35° C,

Humidity-less than 80%

Items	Configuration Required	Order Qty (Nos.)		
Item	Laptop	3		
Make & Model	HP ProBook 440 G4			
Processor	Intel® Core i3-7100U Intel® HD Graphics 620 (2.4GHz, 3MB L3 Cache, 2 core).			
Chipset	Compatible Chipset			
RAM	4GB DDR4 RAM or better			
Hard Drive	500 GB HDD or Higher			
Display	14" diagonal HD anti-glare LED-backlit			
Audio/Visual	HD audio			
	Integrated stereo speaker			
	Integrated Dual-array microphone			
	Stereo headphone/line out /microphone in			
Communication s	HD webcam			
	Gigabit NIC			
	802.11 b/g/n, Intel Dual Band -AC, Bluetooth 4.0 / 4.2			
	Wireless			
Keyboard	spill-resistant and Back lit Keyboard			
Pointing Device	Clickpad with Multi-touch gestures supported			
Battery	44 W Hr Lithium-Ion battery with at least 9 hours back up or better			
Power	External AC adapter			
Interfaces	Minimum 3 USB ports with atleast 1 type C USB port higher; VGA, HDMI Port			
Operating System	Pre-loaded Windows 10 Pro 64			

	Boost Voltage: 2.30 - 2.33 VPC minimum
Battery recharge time (After complete discharge) to 90% capacity	8 hours for 90% Charge
Battery Housing (Vendor to provide the GA drawings of the offered Battery Rack)	Should be compact and space saving MS steel open racks complete with interconnectors
Battery End Cell Voltage	1.75 V/cell
Interfaces	
Serial Communication RS232 Port & USB Port should be available (Mandatory)	RS2323 Port & USB port should be provided as standard in the UPS.
OVCD should be available	
Interface to NMS (Network Management System) - through SNMP should be available	SNMP Card for connecting the UPS to LAN thru Ethernet port & monitoring thru NMS should be available as default with the UPS
Restart / Testing Capability	
Cold Start	UPS should start up
	On AC Supply (Mains) without DC Supply (Batteries)
	On DC Supply (Batteries) without AC Supply (Mains)
Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown
Self Diagnosis	UPS should be capable to carry out self test of Rectifier / Charger / Battery & Inverter module during start-up
Physical	
Operating Temperature	0 to 40 deg C
Storage Temperature	-15 to 50 deg C
Operating Humidity	5% ~ 95%RH (No Condensing)
Operating Altitude	0-1000m
Type of Cooling	Forced Air
Noise Level	< 50 dbA at 1 meter distance
Form Factor	Tower Model
Dimension (w x d x h) in mm	W-190mm D-435mm H-595mm
Weight - in kg	UPS - 43.5Kgs. Batteries & Rack - 122Kgs
Standard Package of UPS to include the following minimum accessories	1. UPS
	2. CD - Monitoring Software
	3. RS232 Cable
	4. UPS to Battery bank connecting Cable
	5. User Manual
Certifications	
Manufacturer	QMS: As per ISO 9001: 2008
	EMS: As per ISO 14001: 2004
	OSHAS: As per ISO 18001: 2007
Product Safety Certifications (Mandatory)	BIS Certification
	EN 62040-1
	EN 62040-2

Cursor Speed
Life Span
Play N
Max
A

Cursor Speed	100 Points per Sec or better
Life Span	30,000 hours+
Play Mode	Built-in
Max Visual Angle	≈ 178 degrees
Speakers	2 X 15 Watts
Speakers Freq. Response	90 Hz +/- 20% - 18KHz
Touch Surface	Tempered Anti-Glare Glass
Touch Technology	True Flat
Transparency	88% or above
Panel Surface Hardness	H7 or better
Touch Points	10 Points
Writing mode	Nano Pen or Finger
IR touch-screen touch mode	Embedded drive-free IR touch (Ten Point)
IR touch system communication terminal	USB -B
Positioning Accuracy	Less than 5mm
Mounting	Wall / Floor
Input Port	RJ45 X 2
	HDMI X 4
	RS232 X 1
	VGA Audio In / Video
	2[Video+Audio] x 1 (combined)
	VGA X 1
	Component / Video Input X 1 (Combined)
	USB X 4
	HDMI & HML port X 1
	PC USB X 2, Android USB X 1 & Touch USB X 4
	Display Port X 1
	USB3.0 X 1
Output Port	Digital Audio port X 1
	Audio X 1 (combined)
	HDMI x1
Systems on Board	GUI - Graphic User InterfaceThe display must have GUI for ease access of resources, functions and shortcuts. This GUI shall be any proprietary OS but must be compatible with Android coding.
	Multimedia File Formats SupportedSupport all major types of multimedia files
	Discussion / White BoardBuild-in white board (seamless writing)
	Onboard System's ChipsetChipset - MSD6A828 or better

	multiple 802.1x authentication sessions per port Media access control (MAC) authentication to provide simple authentication based on a user's MAC address Port security and port isolation STP BPDU port protection to prevent forged BPDU attacks STP Root Guard to protect the root bridge from malicious attacks or configuration mistakes Dynamic ARP protection blocking ARP broadcasts from unauthorized hosts
Management Features	Configuration through Simple Web management SNMPv1, v2, and v3 and Remote monitoring (RMON) support Management security through Manager and operator privilege levels FTP, TFTP, and Secure FTP support Port mirroring to mirror ingress/egress ACL-selected traffic from a switch port or VLAN to a local or remote switch port RADIUS/TACACS+ for switch security access administration Network Time Protocol (NTP) or equivalent support
Environmental Features	Shall provide support for RoHS and WEEE regulations Shall have features to improve energy efficiency like variable-speed fans, shutoff unused ports etc Operating temperature of 32°F to 104°F (0°C to 40°C) Safety and Emission standards including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A
Warranty	Shall include comprehensive on-site support during the contract period
	Wired and Wireless should from the same OEM

Items	Configuration Required	Order Qty (Nos.)		
Item	Wireless Access Point	5		
Make & Model	HPE Aruba IAP-305(RW) (Instant) Access Point			
Feature of AP	High-performance dual-band 802.11ac Wave 2 access points (meshed or wired), consistently high-performance at range to new 802.11ac and legacy 802.11a/b/g/n clients With maximum concurrent data rate of 1,300 Mbps in the 5GHz band and 400 Mbps in the 2.4GHz band			
Band & Support of AP WLAN Management	Dual radio, Dual Band Capable of Supporting 2.4Ghz & 5 Ghz Simultaneously			
AP Type	3X3 MIMO with 3 Spatial Streams			
Antennas	Three integrated dual-band downtiltomni-directional antennas for 3x3 MIMO with maximum antenna gain of 3.9dBi in 2.4GHz and 5.4dBi in 5GHz.			
Quality of service for	Shall Support priority handling and policy enforcement for unified communication apps, including Microsoft Skype for Business with			



DELIVERY NOTE **MICROCARE COMPUTERS PRIVATE LIMITED**

D No: 60-4-1, 1st Floor, HP World Building, Pinnamannu Polychine Road, Siddhartha Nagar, Vijayawada
0866-2478166, 6463987, 2483984, 6678166

sales@microcareindia.com, www.microcareindia.com

GSTIN No:
Tax is Payable on Reverse Charge (Yes/No)
GST D.C. No:
GST D.C. Date:
PO No. & Date:

37AACC44586C1ZG;
No
170200647
25-12-2017

Transportation Mode: GOODS AUTO
Veh. No: AP16TH2523
Date & Time of Supply:
Place of Supply: PALAKOLU
Driver Number: 8522070316

Details of Receiver

Name: A S N M GOVERNMENT DEGREE COLLEGE FOR MENS - PALAKOL
Near Sambhuni Cheruvu, Palakol, West Godavari Dist., Andhra Pradesh, India, PIN: 534260, Ph: 08814-229069
Address:
State: ANDHRA PRADESH
State Code: 37
GSTIN No:

Details of Consignee (Shipped to)

Name: A S N M GOVERNMENT DEGREE COLLEGE FOR MENS - PALAKOL
Near Sambhuni Cheruvu, Palakol, West Godavari Dist., Andhra Pradesh, India, PIN: 534260, Ph: 08814-229069
Address:
State: ANDHRA PRADESH
State Code: 37
GSTIN No:

SMT G V PRIYA - 9440365560

PO No. & Date:

CONTACT NO:

S.No	Description of Goods	HSN Code (GST)	Qty	UOM	Rate	Total Rs	Discount Rs	Taxable Value Rs	CGST		SGST		IGST	
									Rate	Amount Rs	Rate	Amount Rs	Rate	Amount Rs
1	CAA-00076	85444999	2	NOS	8832	17664		13800		1932		1932.0		
	MOLEX CAT6 UTP CABLE BOX 305 METERS													
2	PCD-02003-OH	85444292	12	NOS										
	CAT6 PATCH CORD 2 METERS - BLUE													
3	PCD-02001-OH	85444292	12	NOS										
	CAT6 PATCH CORD 1 METERS - BLUE													
4	KSJ-00018-BL	85369090	12	NOS										
	CAT6 UTP - BLUE													
5	FACE PLATE - SINGLE	39269099	12	NOS										
	FACE PLATE													
6	PTD-00141	85371000	1	NOS										
	24 PORT JACK PANNEL - LOADED													
7	Y5F30AV	84713090	3	NOS										
	HP PRODESK 400 G3 DESKTOP Intel Core i3, 7th Gen, 7100T Processor, 4 GB DDR4, 500 GB HDD, DVD RW, Win 10 64 Bit., HP Keyboard & Mouse - 3 Years Warranty S.NO: 8CG74902GJ, 8CG74902JO, 8CG74902LF													
8	W6N85AV	84713010	3	NOS	76700	230100		195000		17550		17550.0		
	HP PROBOOK 440 G4 NOTEBOOK Intel Core i3-7th Gen, 7100U Processor, 4 GB Ram, 500 GB HDD, 14" LED Display, UMA Graphics, DOS - 3 Years Warranty S.NO: 5CD7490VG0, 5CD7490VG9, 5CD7490VH7													
9	H2W17AA	42029900	3	NOS										
	HP Essential Top Load Case													
10	Ceramic Steel Magnetic White Board	96100090	3	NOS	44840	134520		114000		10260.00		10260.00		
	400 MM white Board													
11	Crescendo Audio Podium DP 60	8518	3	NOS										
	Built in Amplifier MD 60 Digital Player with USB Reader wireless remote control flexible Microphone													
12	V5F94AA - HP V194 19.5" LED MONITOR	85285100	1	NOS										
	3 YEARS WARRANTY S.NO: 6C3M7421608													
13	JRF15AA - HP KEYBOARD & MOUSE	84716040	1	NOS										
	3 YEARS WARRANTY S.NO: 7CH735H7B													
14	RACK 9L	84733099	1	NOS	11564	11564		9800		882.00		882.00		
	DELINK 9U WALL MOUNT RACK													
								332600		30624		30624		

Invoice Value in Words: Three Lakhs Ninety Three Thousand Eight Hundred Forty Eight Only

RECEIVER SIGNATURE & SEAL:

Total	393848
Freight Charges	0
Loading & Packing Charges	0
Insurance Charges	0
Other Charges	0
Invoice Total	393848

Certified that the Particulars given above are true and correct

Terms & Condition of Sale

- Goods Once sold will not be taken back
- Interest will be charged @ 24% if this payment is not made on or before the due date
- Dispute arising out of this sale will be subject Hyderabad jurisdiction only

Electronic Reference No.

for MICROCARE COMPUTERS PRIVATE LIMITED

Authorized Signatory
Name: K. SURESH

FEEDBACK FORM ON DIGITAL CLASSROOMS

1. List the Equipment supplied under Digital Classrooms solution.

Digital classroom-I

S.No	Description of the Item	Quantity
1	Ceremic steel magnetic white board	1
2	Crescendo audion podium	1
3	Hp Prodesk 400 GB Desktop	1
	i.HP-Keybaord	1
	ii.Mouse	1
4	HP-Probook 440 G4Notebook	1
5	HP-Essential topload case-Bag	1
	Charger	1
6	HP-ML 350Top SEFCTO server	1
7	HP-LED Monitor	1
8	HP-Keybaord and mouse	1
9	Numeric 7.5kv FMI online ups with DC power back contains 20 No's 42th batteries and batteries with stand	1
10	Smart display	1
11	Full HD visualize	1
12	i)HP ARUBA IAP-305(RW) Instant S.No	2
	CNDZJSS5BL	
	ii)HP basic white kit	2
	iii)Power cord	2
	iv)Midspan	2
13	Speakers	2
14	Crompton ceiling fans	3
	i)Hand Mike	1
	ii) wireless mike	1
	iii)Magnetic Pen	1
	iv)CD	1
	v)remote	2
15	Face plate	03
16	Table	1

Digital classroom-II

S.No	Description of the Item	Quantity
1	Ceremic steel magnetic white board	1
2	Crescendo audion podium	1
3	Hp Prodesk 400 GB Desktop	1
	i.HP-Keybaord	1
	ii.Mouse	1
4	HP-Probook 440 G4Notebook	1
5	HP-Essential topload case-Bag	1
	Charger	1
6	Smart display	1

7	Full HD visualize	1
8	i)HP ARUBA IAP-305(RW) Instant S.No CNDZJSS5BL ii)HP basic white kit iii)Power cord iv)Midspan	1 1 1 1 1
9	Speakers	2
10	Net rack	1
11	Face plate	3
12	adaptors	5
13	playbox	1
14	HPE office connect	2
15	24 port jack pannel	1
16	Hand mike	1
17	Magnetic pen	1
18	Remotes	3
19	Crompton fans	2

Digital Classroom-III

S.No	Description of the Item	Quantity
1	Ceremic steel magnetic white board	1
2	Crescendo audion podium	1
3	Hp Prodesk 400 GB Desktop i.HP-Keybaord ii.Mouse	1 1 1
4	HP-Probook 440 G4Notebook	1
5	HP-Essential topload case-Bag Charger	1 1
6	Smart display	1
7	Full HD visualize	1
8	i)HP ARUBA IAP-305(RW) Instant S.No CNDZJSS5BL ii)HP basic white kit iii)Power cord iv)Midspan	1 1 1 1 1
9	Speakers	2
10	Numeric 7.5kv FMI online ups with DC power back contains 20 No's 42th batteries and batteries with stand	1
11	remotes	3
12	handmic	1
13	Face plate	2
14	Crompton fans	2
15	Pocket mike	1
16	Mike	1

2. The equipment supplied is in working condition? (YES / NO)
Yes

3. Is M/s Microcare computers providing preventive maintenance in every six months?

Yes, M/s Microcare computers providing preventive maintenance in every six months.

4. Have you certified the 5th and 6th preventive maintenance certificate?
Yes

5. Who issued the preventive maintenance certificate for the year 2021?
Microcare Computers pvt.Ltd-Vijayawada

6. Remarks if any
Nil



RUSA Co-Ordinator



Principal

Sri A.S.N.M. GOVT. COLLEGE (A)
PALAKOL-534 260, W.G DIST

Lr.No.01/CCE-AP/Virtual Classrooms/AC-2/2017
Dt: 15-11-2017

V.V

To,
The Principal,
Sri A.S.N.M.Govt College(A),
Palakol,W.G.Dt.

Respected Sir/Madam,

Sub: Uneecops - Delivery of 90 Virtual Classroom Units to 56 Govt.

Colleges-Received

Payment -Receipt- Reg

Ref: 1) MEMO No.1417/CE/A1/2017, dated 31.03.2017

2) Mail Dated 31-03-2017

3) APLOSSOFTW/IT-1/RC-711H0000/0816/81/F0547/1565, dated
04.11.2015

It is to certify that an amount of Rs. 4,80,600/- per classroom (Rupees Four Lakh Eighty Thousand Six Hundred Only) is received via Cheque No 000008 80% dt. 20/11/17 & Cheque number 000006 20% - 96,120/- from the college -Total amount - 4,80,600/- for successfully delivering& Installing 1 Virtual Classroom unit.

Thanks and Regards,

For Uneecops Technologies Ltd.


Uneecops Technologies Ltd.

Head Office
C-185, Phase-1
Naraina Industrial Area
New Delhi - 110028

Ph: +91-11-49699900
Fax: +91-11-49699906
www.uneecops.in

Corporate Office
B-59, Sector - 63
Noida
UP - 201301

Ph: +91-120-4818000
Fax: +91-120-4818050
www.uneecops.com


PRINCIPAL (FAC)
SRI A.S.N.M. GOVT. COLLEGE,
PALAKOL, W.G.Dt.

Received the
cheque no: 000006
with 96,120/-
dated 15/11/2017
P.V. Srinivasan
9900377350

Sri A.S.N.M.Govt College (Autonomous)

Palakol, W.G.Dt, 534260

K.Srirama Murthy

Principal (FAC)

Mob:9440412407

E-Mail: sriasnmgdc@gmail.com

Website: sriasnmgdc.palkol.com

Off: 08814229069, 08814222935

Dt: 15-11-2017

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. N.Vijayakumar, Customer Support Engineer, Krishna Region, UNEECOPS Technologies Ltd has given demo & Training to the our college staff on handling of virtual class on 15-11-2017 at Sri A.S.N.M.Govt College(A), Palakol, West Godavari District.

We are satisfied with his demonstration and Training.


Principal
PRINCIPAL (FAC)
SRI A.S.N.M. GOVT. COLLEGE,
PALAKOL, W.G.Dt.

DELIVERY CHALLAN

UNEECOPS Technologies Ltd.

C-185, Unecops House, Phase 1,
Naraina Industrial Area, New Delhi 110028
Phone No +91 11 46230000
Facsimile +91 11 462300006
Email - info@unecops.in
URL - unecops.in
A.S.N.M. GDC(M), Palakol
Near Sambhuni Cheruv, Palakol, West Godavari Dist.,
Andhra Pradesh, India, PIN: 534260, Ph: 08814-229069

Delivery Details

Delivery No. 100415
Delivery Date 21/06/2017

Description

Qty

1	Portable Interactive Device (Box)	1
2	Visual Presenter (Box)	1
3	Mini PC + MONITOR + Head phone (Box)	1
4	USB Speakers (Box)	1
5	Digital Multimedia Contents (classes 6 to 12) (Box)	1
6	School Management Information System (Box)	1
7	Accessories (Power cable, VGA Cable, Keyboard/ Mouse) (Box)	3
8	White Board	1
9	Green Board	1
10	Short Throw Projector	1
11	UPS	1
12	Vertical Cabinet	1
13	Wall Mounting	1
14	Camera - 240	
15	Adapters	
Grand Total		15

Company's Statutory Details

LAT/TIN No 07300240285
CST No 07300240285
Service Tax No AAACU1224HST001
PAN No AAACU1224H
CIN No U74899DL1995PLC073288

Company's Bank Details

Bank Name Indian Overseas Bank
Branch New Rajinder Nagar, New Delhi - 110060
A/C No 034102000002436
RTGS/IFSC Code IOBA0000341
MICR Code 110020017

Goods received in good condition

for Unecops Technologies Ltd.

Principal

Received Signature with Stamp
Sri A.S.N.M. Govt. College (A)
PALAKOL, W.G.Dt., A.P., 534 260

Authorised Signatory

This is a Computer Generated Document

Page 1 of 1

Copy no: Rallab, 9650612024, Delhi

Lr.No.01/CCE-AP/Virtual Classrooms/AC-2/2017

Dt. 20/07/17

To,

The Principal,

College Name A.S.N.M. Govt. Degree College

Dist. Palakol, West Godavari

Sir,

Sub:- Uneecops – Delivery of 90 Virtual Classroom Units to 56 Govt. Colleges-Received

Payment – Receipt- Reg.

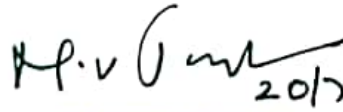
Ref: 1) MEMO No.1417/CE/A1/2017, dated 31.03.2017

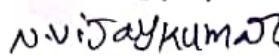
2) Mail Dated 31-03-2017

3) APLOSSOFTW/IT-1/RC-711H0000/0816/81/F0547/1565, dated 04.11.2015

It is certify that an amount of Rs. 3,84,480
(Rupees Three Lakh Eighty Four Thousand Four Hundred Eighty only) is received wide cheque
No 000005 from the state Project Director-RUSA for delivering 90 Virtual Classroom
units in 56 college location.

The final receipt will be provided after the cheque is encashed.


20/7/17
PRINCIPAL (FAC)
SRI A.S.N.M. GOVT. COLLEGE,
PALAKOL, W.G.Dt.

Thanking you,

Receiver Signature