

PROCUREMENT OF PLANT & MACHINERY
Plant & Machinery

S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
1.	UPS	<p>UPS With Dry Batteries Bank For <u>Data Center</u> With Complete Installation</p> <p>UPS Rating / Power 6KVA/6KW Back-up time on typical load Standard Back-up UPS Toplogy ON-Line Double Conversion, Tower Type Technology High Frequency, Transformer Less Technology Brand USA/Europe/UK or Equavilent Working Temperature -10 to 40C Storage Temperature -15 to 60C Emergency Economy Mode Available Emergency Power OFF Available Overall Efficiency 95% ON-Line Mode and 98.5% on Emergency Economy Mode DC Start Function Available Genertaor Compatible Available EMC Standard EN/IEC61000, EN/IEC 62040 Safety Standard GB/T 7260, GB/T4943, YD/T1095, TLC Protections Over load, Short Circuit, Over Temperature, Utility Power High/low, Battery Low, Alarm Mains Abnormal, Mains Fail, Fault, Battery Low, Overload, Short Circuit etc. Display Type LCD with Multiple showing Input Volatge, output Volatge, Battery Volatge , Temperature, UPS Status, ECO Mode etc.</p> <ul style="list-style-type: none"> • Input Specifications <p>Output Power Factor 1 Output Voltage - Single Phase Output Voltage 220VAC Output Volatge Regulation 220+/-1% (Static Load), 220+/-2% (50-0% Sudden Change), 220+/-5% (100-0% Sudden Change) Output Frequency on (Bat Mode)50Hz (+/-0.1%) Output Wave Form Pure Sine Wave Load Crest Factor 3:1</p> <ul style="list-style-type: none"> • By-pass Specifications <p>Static By-pass Transfer 0 msec Static By-passrange 80VAC +/- 5% to 285 +/- 5%. By-pass to Inverter Transfer Time <2 msec</p> <p>Battery Specifications Qty 16</p>	International Recognized Brands DELL/APC Or Equivalent	02Nos				

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		Battery Type VRLA, AGM Technology inside UPS VDC-Ah 12V/7Ah Charging Current 1A UPS Output Power DB for Industrial Sockets and critical load Incoming: 2 x63ADP,MCB Outgoing Path A: 4 x 32A SP MCB + 3x16A MCB Outgoing Path B: 4 x 32A SP MCB + 3x16A MCB PHASE INDICATION LIGHT SCHNEIDER (AD-16-22) PHASE INDICATION LIGHT SCHNEIDER (AD-16-22) Circuit breakers: Schneider Indication lights: Imported Surge protection <ul style="list-style-type: none"> • Communication Specifications Standard Communication Port Standard RS-232 Standard Communication. SNMP/RS485 & Dry Contact (Optional), Network manageable <ul style="list-style-type: none"> • Installation. Installation, Configuration, Commissioning and testing. Documentation CD, Installation guide, Supported Rack, rack Mounting brackets, Rack Mounting hardware with supported nails, warranty card						
2.	Electric Generator Diesel	Generator 30KVA For Data Center With Complete Installation Alternator: Frequency: 50Hz; Prime output: 30KVA/24eKW; Stand by output: 33KVA/26.4eKW; Voltage:230/400V Power factor: Three Phase 0.8; Excitation: Brushless, Rotating Exciter; Naturally Aspirated Insulation:Class F Genset type: Soundproof SINGLE Source ATS/AMF, 3-Pole MOR ATS 100A will motorized changeover and MOR Incoming: 100ATP lke/ntc lke100 1 100ATP, mccb 15ka Schneider (ezc100n) 1 Phase indication light Schneider (ad-16-22) 6 Phase indication light Schneider (ad-16-22) 2	International Recognized Brands Caterpillar/Perkins/ISUZU Or Equivalent	01 Job				

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		<p>6a control fuse/cb Schneider 6 "2.5mm terminal block (20a) onka/pc cu (pc-2.5)2" Panel 2200x8000x600 1 Internally wired</p> <p>Construction of Foundation Pad Construction of 02 Nos of Rod Type Earth Pits Earthing and Grounding bore type :Building up Earth Pit (less than equal to 1 ohm resistance at Earth pit point at Ground level). Job complete in all respect with 2x35mm copper robs up to water/moisture level along with allied material and fittings.</p> <p>Engine: Engine: Type 3 In-lined, Direct Injected, Output Rating: bkW/rpm 31.6/1500; Number of cylinders: 3-105x127;</p> <p>Fuel: Diesel; Fuel Tank Capacity: 161L; Local Sound & Weather Attenuated Standard Canopy: subject to the clearance of 90 dBA at Two Meter Applicable codes and standards must to comply with: AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.</p> <p>AIR INLET SYSTEM Air cleaner; light duty with disposable element</p> <p>CONTROL PANELS Engine Mounted control panel EMCP 4.1</p> <p>COOLING SYSTEM Radiator and cooling fan with guards Coolant drain line with valve Fan drive, battery charging alternator drive Extended Life Coolant</p> <p>EXHAUST SYSTEM Stub pipe, gaskets, rain cap & SAE exhaust flange for customer use</p> <p>FUEL SYSTEM Standard Open set Fuel tank / base supplied Base, formed steel with single wall integral 8-hour fuel tank;</p>						

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		<p>GENERATOR ATTACHMENTS 12 leads IP23 Protection Voltage Regulator (single phase sensing) Tower Panel, IP22, bottom cable entry Segregated low voltage (AC/DC) wiring panel Circuit breaker, IEC, 3 pole, mounted in Tower Panel</p> <p>GOVERNING SYSTEM Mechanical governing system</p> <p>LUBE SYSTEM Lubricating oil Oil drain line with valve</p> <p>MOUNTING SYSTEM Captive linear vibration isolators between base and engine-generator Includes lifting provision and drag points Termination points for coolant and lube oil drain lines</p> <p>STARTING/CHARGING SYSTEM 12V Battery with rack & cables Main Tender points are as below: Foundation Pad suitable for 30 kVA or as per actual 25MM copper 4core cable as per actual</p> <ul style="list-style-type: none"> • Supplier must have an operational workshop and parts facility. • Warranty for all equipment supplied will be of 12 months from date of commissioning or 1000 hours which come first. 						
3.	Fire & Security	<p>Fire & Security work For <u>Data Center only</u></p> <p>➤ Data Center Air Purifier Air outlet Top and sides Air inlet Bottom and sides filter change 6 months Clean air delivery rate (CADR) - Dust 850 m³ per hour (500 cfm)</p> <p>➤ Heat Detection : Dual-sensor with fixed temperature and rate-of-rise Operating Modes: Smoke + Heat (OR logic) Smoke only Heat only</p> <p>➤ Digital Temperature Sensors With Alarm/Alerts Operating Temperature: 14°F – 104°F (-10°C to 40°C)</p>	International Recognized Brands or Equivalent	01 Job				

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		<p>➤ Humidity Sensor with Alarm/Alerts Operating Humidity: 10% to 85% RH, no condensation or icing Nominal Center Frequency :</p> <p>➤ Smoke Sensors With Alarm/Alerts Smoke & Heat Detector – 1 & 2 way 433.92 MHz, Smoke &</p> <p>➤ Fire Alarms With Alarm/Alerts</p> <p>➤ Fire Suppressor System With Alarm/Alerts</p> <p>➤ Fire Extinguishers = 04 Operating Temperature -20 to 60c Safety Valve Wall hanging bracket Controllable discharge Rechargeable Weight: 5-7kg 1 year expiry</p> <p>➤ 10 Anti-Static Bands for IT Office/Staff Note: Installation, Configuration, Commissioning and testing. Documentation CD, Software CD, Installation guide, brackets, With Complete electric Cable Wiring, outer brackets, ducting, fixing, installation with Box and power Sockets</p>						
4.	Paper Shredder	<p>PAPER SHREDDER 8-SHEET 4×25MM 16L 9951 Paper Shredder 8-sheet 4×25mm 16L Specification 330×220×475mm Material Nitriding carbon steel, ABS Packaging Colored corrugated box, /, 1pcs/carton Shredding Capacity 8 sheets(70gsm) Cut Type Cross cut Shred: Paper</p>	International Recognized Brands	01 No				
5.	UPS With Batteries	<p><u>UPS With Batteries For Security office/CCTV</u> Deep Cycle Solar Battery Long Life Rechargeable Type: Lead-Acid Batteries Discharge Rate: Low Discharge Rate Voltage 12V Single Battery 6 months warranty 18-24 months estimated battery life Environmental friendly No need to change /Re-fill water No check-up required Specially designed for Inverter and UPS Suitable for all weather conditions Maintenance free with 99.9% capacity efficiency</p>	International Recognized Brands APC/Inverex/Homeage Or Equivalent	01				

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		<p>UPS: 3000VA/2400Watt/24VDC/230VAC Inverter with built-in solar charger controller Ideal for home appliance/office equipment/lighting/motor-based loads Able to set priority to either solar input or AC input Built-in MPPT to maximize solar energy harvest Pure sine wave output Specifications: Power 3000VA/2400Watt/24VDC/230VAC Capacity Suitable for: 10 Tube Lights or 25 Energy Savers 10 Fans & 1 Refrigerator (12Cu ft)</p>						
6.	CCTV Security Centralize for University	<ul style="list-style-type: none"> • Camera Qty 64 • 4 MP Fixed Bullet Network Camera • High quality imaging with 4 MP resolution Efficient H.265+ compression technology • Clear imaging against strong back light with 120 dB WDR • Water and dust resistant (IP67) • EXIR 2.0, advanced infrared technology with long IR distance • NVR Qty 02 • 32-ch 1U 4K NVR • Up to 32 channel IP cameras can be connected • Supports decoding H.265+/H.265/H.264+/H.264 video formats Up to 4K high-definition live view, storage and playback • Up to 8-ch @ 1080p decoding capacity, Up to 256 Mbps high incoming bandwidth ensures IP cameras can be connected • 1 HDMI and 1 VGA interfaces: both interfaces support independent video output, 2 HDDs for continuous video recording • POE Switch as Per Cameras Installation 	International Recognized Brands Dhua/Hikvision Or Equivalent	01 Job				

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		<ul style="list-style-type: none"> • 8 Port Gigabit Unmanaged POE Switch • 8 × Gigabit PoE ports, 1 × Gigabit RJ45 port, 2 × Gigabit SFP fiber optical port, IEEE 802.3at/af standard, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z standard, 6 KV surgeprotection for PoE ports, PoE power management ,Gigabit network access • Wire-speed forwarding and non-blocking design,Store-and-forward switching, Solid high-strength metal shell, Reliable fan-free design • 4TB (04 Seagate surveillance grade) • 1 meter Cat6 Ethernet patch cord As per Installation • UTP cable Roll and Cat-6 UTP RJ-45 Connectors • UPS 6KVA with Standard Backup • 02 (LED TV 40") With 2 HDMI Cables 10 Meter 						
7.	Metal Detector Hand held	<p>Operating Temperatures -35° F (-37° C) to 158° F (70° C)</p> <p>Humidity To 95% noncondensing</p> <p>Audio Frequency 2kHz Warble</p> <p>Tuning Automatic</p> <p>Indicators Speaker LED Alert Lights Green: Power ON Amber: Battery LOW Red: ALARM condition</p> <p>Controls Power switch (Audible / Off / Silent) Interference Elimination Momentary Switch</p> <p>Battery Single 9 volt battery provides u.p to 100 hours of normal operation. Optional NiMH rechargeable battery provides up to 45 hours on a single charge</p>	International Recognized Brands	05 Nos				
8.	Telephone Exchange	<p>Smart Hybrid IP Telephone System PBX (VoIP) With Complete A unified communication system which has rich IP features such</p>	International Recognized Brands	01 Job				

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		as mobile linking, integrated voice mail and e-mail, instant messaging (chat), and presence information Support Up to 48 Lines & 128 Extensions Intelligent Hybrid PABX System <ul style="list-style-type: none"> • Built-in applications such as <i>Call Centre Solution, Mobile Solution and Voice Mail System</i> • Auto Attendant, Call Forwarding, Call Waiting • Auto recording and backing-up conversations • Automatic voice guidance • Call monitory and history reports • Mobile phone integration • Advanced call routing • Group extensions • The finest flexibility comes as standard, analogue and IP handset compatible • VOIP, PTSN, ISDN and GSM compatible • Integrated voice mail and e-mail, instant messaging (chat), and presence information. • Built-in DISA enables the transfer of customer calls without an operator • Record greeting messages, upload pre-recorded WAV file to be used as greeting message • Expandable with up to 3 expansion cabinets • Caller ID Built in CLI • IVR Built in DISA • UPS Built in UPS with POE setup for Telephone sets • GSM gateway for sms and Calls Operator Console Included Main CPU Cortex A8 600 MHz Cortex A8 300 MHz Power Input 100 V AC to 130 V AC: 2.2 A/200 V AC to 240 V AC: 1.3 A; 50 Hz/60Hz Power Consumption (when fully mounted) 110 W External Backup Battery External battery port is supported Memory Backup Duration 7 years Dialling Trunk Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling Extension Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling Mode Conversion DP-DTMF, DTMF-DP	Cisco/Panasonic or Equivalent					

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		<p>Ring Frequency 20 Hz/25 Hz (selectable) Operating Environment Temperature 0 °C to 40 °C Humidity 10 % to 90 % (non-condensing) Conference Call Trunk From 10 x 3-party conference call to 4 x 8-party conference call - Music on Hold (MOH) Maximum 8 ports (Level Control: -31.5 dB to +31.5 dB per 0.5 dB) MOH: Selectable Internal/External Music Source port - External Paging Maximum 6 ports (Volume Control: -15.5 dB to +15.5 dB per 0.5 dB) - LAN Port 1 (for LAN connection) 10BASE-T/100BASE-TX (Auto MDI/MDI-X) - Extension Connection Cable SLT 1-pair wire (T, R) DPT 1-pair wire (D1, D2) or 2-pair wire (T, R, D1, D2) PT-interface CS 1-pair wire (D1, D2) PT-interface CS (Highdensity) 4-pair wire (D1, D2) DSS Console and Addon Key Module 1-pair wire (D1, D2) Air-cooling Method Fan Dimension 430 mm (W) x 88 mm (H) x 367 mm (D) Weight (when fully mounted) Under 4.5 kg Web Maintenance Console Accounts Users (User) 500 accounts Users (Administrator) 8 accounts Installer 1 account Password (all account types) 4 – 16 characters Total Number of Trunks 100 Ch Legacy 36 Ch BRI – PRI30 30 E1 30 Analogue 12 H.323 32 Maximum Terminal Equipment Extensions (DXDP*1) 162 (168) Legacy (DXDP*1) 34 (40) SLT 32 DSS Console 8 Built-in UM (ch) 24 1 Year Warranty Of System</p>						

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		<p>Complete Installation of VOIP Solution with Basic IP Desktop Phone 60 VOIP Telephone Sets with CLI, HD audio and Speaker Phone, Handset, Speaker, Headset Volume 8 levels (includes echo cancellation and distortion prevention) Ringtones 27 Ringer Volume 8 levels + Off Headset Port RJ9 jack Audio Codec G.711a-law / G.711μ-law / G.722 (wideband) / G.729a HD Voice Yes Phone Book (Local) 500 LDAP Remote Phonebook Yes Call Log Entries 30 incoming calls + 30 outgoing calls Conferencing 3 parties (within terminal – multi-party dependent on server) Music on Hold Supplied by Host Service (PBX / SIP Server) IP Version IPv6 / IPv4 SIP Compatibility RFC 3261 Standard SIP Server, Asterisk, Broadsoft, Panasonic IP PBX with 1 Year Warranty</p>						
9.	Walk Through Gate	<p>Walk Through Gate for Security Technical Parameters Vertical dimension 2190×535x892mm Vertical channel dimension 2030x716mm Probe door panel packing dimensions 2270x700x230mm Net weight of main cabinet/detection door panel 45KG Gross weight of main cabinet/detection door panel 52KG Operating voltage AC90V~240V 50/60Hz Power dissipation 15W Operating frequency range 1—20 Bands</p>	International Recognized Brands	02 Nos				

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S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
		Working environmental temperature -20°C~65°C Installation environment (W) 100cm*(L) 200cm(metal-free minimum range) sheet transverse Regional detect metal precision range Maximum Sensitivity ≥6g Metal Technical Standards Electrical refer to EN60950 safety standard Compliance Radiation refer to EN50081-1 standard Compliance Anti-interference refer to EN50082-1 standard Compliance						
10.	Spot Lights with stands	Standard	International Recognized Brands	02 Nos				

Plant & Machinery for Hostel

S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
1.	Stoves (Burner) for kitchen	Full size (48 nali wali)	Local	6				
2.	Burner for Tandoor	Full size (14")	Local	2				
3.	Stove (for Student use)	Double burner steel body standard size	Local	6				
4.	Cooking Utensils	Large size Silver Steel (Size round 6.8' x H: 1.2' x W: 2.3')	Local	4				

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S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
5.	Street lights (LED)	100 watts LED Lights with 1year warranty	Local	4				

Plant & Machinery (Audio Sound System)

S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
1.	Sound System	For IT/CS LABs 04 ceiling mount speakers, 02 wall mount speakers, 01 Wireless 4 in one Mic System (Collar Mic, Hand Held Mic, Table Mic), Audio Power Amplifier. Fitting included. With One Year Warranty of each product	International Recognized Brands	2 Labs (2 Jobs)				
2.	Sound System	Fine Arts 04 ceiling mount speakers, 02 wall mount speakers, 01 Wireless 4 in one Mic System (Collar Mic, Hand Held Mic, Table Mic), Audio Power Amplifier. Fitting included. With One Year Warranty of each product	International Recognized Brands	1 Job				
3.	Sound System	For Webinar Room 06 ceiling mount speakers, 02 wall mount speakers, 02 Wireless 4 in one Mic System	International Recognized Brands	01 Job				

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S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
1.	Sound System	For IT/CS LABS 04 ceiling mount speakers, 02 wall mount speakers, 01 Wireless 4 in one Mic System (Collar Mic, Hand Held Mic, Table Mic), Audio Power Amplifier. Fitting included. With One Year Warranty of each product	International Recognized Brands	2 Labs (2 Jobs)				
2.	Sound System	Fine Arts 04 ceiling mount speakers, 02 wall mount speakers, 01 Wireless 4 in one Mic System (Collar Mic, Hand Held Mic, Table Mic), Audio Power Amplifier. Fitting included. With One Year Warranty of each product	International Recognized Brands	1 Job				
		(Collar Mic, Hand Held Mic, Table Mic and FM Frequency receiver), Audio Power Amplifier. Fitting included. With One Year Warranty of each product. Room Measurement Width 28ft Length 50ft						
4	Sound System	For Auditorium (Large Hall) 12 wall mount speakers, Audio Power Amplifier with noise cancelation features Wireless 4 in 1 mic Stage audio monitor Fitting included. With One Year Warranty of each product	International Recognized Brands	01 Job				

Annexure "B"

Mass Communication TV Studio & NLE

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S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
1.	4 TB Transcend External Drives	4 TB External Drives	International Recognized Brands	2				
2.	Zhiyun tech crane v2 3-axis handheld gimbal stabilizer	Zhiyun tech crane v2 3-axis handheld gimbal stabilizer	International Recognized Brands	4				
3.	Tamron SP 24-70mm f/2.8 Di VC USD G2 Lens for Canon EF	Tamron SP 24-70mm f/2.8 Di VC USD G2 Lens for Canon EF	International Recognized Brands	1				
4.	Samyang 35mm cine lens T1.5	Samyang 35mm cine lens T1.5	International Recognized Brands	1				
5.	Samyang 50mm T.1.5 lens	Samyang 50mm T.1.5 lens	International Recognized Brands	1				
6.	Samyang 85mm lens f/1.4	Samyang 85mm lens f/1.4	International Recognized Brands	1				
7.	Samyang 14mm f/2.8 ED AS IF UMC Lens	Samyang 14mm f/2.8 ED AS IF UMC Lens	International Recognized Brands	1				
8.	Canon 70-200mm lens f/2.8	Canon 70-200mm lens f/2.8	International Recognized Brands	1				
9.	JVC camcorder GY-HM190AG USMlens	JVC camcorder GY-HM190AG USMlens	International Recognized Brands	4				
10.	Acebil tripod 605DX	Acebil tripod 605DX	International Recognized	4				

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S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
			Brands					
11.	Libec dolly DL-2	Libec dolly DL-2	International Recognized Brands	4				
12.	Swit battery for camcorder	Swit battery for camcorder	International Recognized Brands	8				
13.	Genelec Audio monitoring system Genelec 8020A	Genelec Audio monitoring system Genelec 8020A	International Recognized Brands	2				
14.	Data video wired talkback system ITC-100 with 04 CB-03, 20 meter extension cables	Data video wired talkback system ITC-100 with 04 CB-03, 20 meter extension cables	International Recognized Brands	1				
15.	Sennheiser handheld wireless microphone EW135G4	Sennheiser handheld wireless microphone EW135G4	International Recognized Brands	2				
16.	Sennheiser collar wireless microphone EW112G4	Sennheiser collar wireless microphone EW112G4	International Recognized Brands	4				
17.	Camera mount LED lights for ENG	Camera mount LED lights for ENG	International Recognized Brands	6				
18.	Portable LED Light set with stand/case	Portable LED Light set with stand/case	International Recognized Brands	3				
19.	Canare video cable 200 meter	Canare video cable 200 meter	International Recognized Brands	4				

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20.	Canare Crimping Plug BNC-BCP-B3F	Canare Crimping Plug BNC-BCP-B3F	International Recognized Brands	100				
21.	Canare Coaxial Cable Stripper tool (TS100E) (Zip ties is quoted below in pack of 100)	Canare Coaxial Cable Stripper tool (TS100E) (Zip ties is quoted below in pack of 100)	International Recognized Brands	1				
22.	Canare Die Set TC-1 with TCD-35CA Die 1 Set	Canare Die Set TC-1 with TCD-35CA Die 1 Set	International Recognized Brands	1				
23.	Genelec Audio monitoring system Genelec 8020A	Genelec Audio monitoring system Genelec 8020A	International Recognized Brands	2				
24.	Behringer B2 microphones	Behringer B2 microphones	International Recognized Brands	2				
25.	LED TV 50" for control panel with full accessories	LED TV 50" for control panel with full accessories	International Recognized Brands	2				
26.	Black magic design ATEM Television Studio Pro HD	Black magic design ATEM Television Studio Pro HD	International Recognized Brands	1				
27.	SanDisk 480GB Extreme Pro Solid State Drive SDSSDXPS- 480G-G24	SanDisk 480GB Extreme Pro Solid State Drive SDSSDXPS- 480G-G25	International Recognized Brands	2				
28.	Sonifex dual line telephone hybrid	Sonifex dual line telephone hybrid	International Recognized Brands	1				

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29.	Black magic design Mini Analog To SDI Converter	Black magic design Mini Analog To SDI Converter	International Recognized Brands	1				
30.	Black magic design Mini SDI To Analog Converter	Black magic design Mini SDI To Analog Converter	International Recognized Brands	1				
31.	Black magic design hyper deck studio Pro	Black magic design hyper deck studio Pro	International Recognized Brands	1				
32.	Sandisk memory cards 64GB	Sandisk memory cards 64GB	International Recognized Brands	12				
33.	Silicon power memory card reader	Silicon power memory card reader	International Recognized Brands	3				
34.	Yamaha audio mixer MG-124CX	Yamaha audio mixer MG-124CX	International Recognized Brands	1				
35.	Behringer headphones for monitoring HPM-999	Behringer headphones for monitoring HPM-1000	International Recognized Brands	4				
36.	Proel Microphone cable HPC 210 (100m)	Proel Microphone cable HPC 210 (100m)	International Recognized Brands	4				
37.	IM HDMI Cable 20 Meter HDMI-20M (4K capable)	IM HDMI Cable 20 Meter HDMI-20M (4K capable)	International Recognized Brands	6				
38.	Black magic UltraStudio 4K	Black magic UltraStudio 4K	International Recognized	1				

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			Brands					
39.	Thunderbolt Cable OEM	Thunderbolt Cable OEM	International Recognized Brands	2				
40.	Neutrik 3Pin XLR Male and Female Connectors pair	Neutrik 3Pin XLR Male and Female Connectors pair	International Recognized Brands	30				
41.	Toten Broadcast Rack OEM-42RU	Toten Broadcast Rack OEM-42RU	International Recognized Brands	1				
42.	Emerson Liebert (GXT6000MTPLUS230) UPS 5KVA GXTMTPLUS Online 6000VA/4800W 230V PF 0.8 LCD Tower, Standard Backup	Emerson Liebert (GXT6000MTPLUS230) UPS 5KVA GXTMTPLUS Online 6000VA/4800W 230V PF 0.8 LCD Tower, Standard Backup	International Recognized Brands	2				
43.	PREVIEW MONITORS on Camera Monitor 7"	PREVIEW MONITORS on Camera Monitor 7"	International Recognized Brands	2				
44.	Lighting Grid: 16 Guage, 2" dia grid pipe dimensions 32'x28', grid space from roof 1.5 ft with Primer coat (01) and Black Paint coating (02), roof mounted brackets (30), wall mounted brackets (15),	Lighting Grid: 16 Guage, 2" dia grid pipe dimensions 32'x28', grid space from roof 1.5 ft with Primer coat (01) and Black Paint coating (02), roof mounted brackets (15), welding rod (03 box), disc cutting (02), disc grinding (02), Rawal Bolts, Transportation, Labour.	International Recognized Brands	1				

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	welding rod (03 box), disc cutting (02), disc grinding (02), Rawal Bolts, Transportation, Labour.							
45.	Breakout boxes 8 AV input & AV outputs	Breakout boxes 8 AV input & AV outputs	International Recognized Brands	1				
46.	Talkback patch panels 4 ports	Talkback patch panels 4 ports	International Recognized Brands	1				
47.	Complete equipment installation and configuration, lighting grid installation and electrical work charges - 01 job	Complete equipment installation and configuration, lighting grid installation and electrical work charges - 01 job	International Recognized Brands	1				
48.	Technical training with basic hardware (01 week)	Technical training with basic hardware (01 week)	International Recognized Brands	1				
49.	ONAIR LIGHT	ONAIR LIGHT	International Recognized Brands	3				
50.	Electrical material, wiring from main DB to studio, individual circuit breakers for lights, main 60 circuit breaker, Sub DB in studio,	Electrical material, wiring from main DB to studio, individual circuit breakers for lights, main 60 circuit breaker, Sub DB in studio, termination, clamps, sockets for lights, wiring from Sub DB to lights etc	International Recognized Brands	1				

PROCUREMENT OF PLANT&MACHINERY

Plant & Machinery

S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
	termination, clamps, sockets for lights, wiring from Sub DB to lights etc							
51.	Installation material and accessories, patching cables, cable ducts, power sockets, cable trays, additional accessories to complement the system	Installation material and accessories, patching cables, cable ducts, power sockets, cable trays, additional accessories to complement the system	International Recognized Brands	1				
52.	Rolling Steps/Ladder	Rolling Steps/Ladder	International Recognized Brands	1				
53.	Cool lights includes, c-clamp and safety chain, power cord	Cool lights includes, c-clamp and safety chain, power cord	International Recognized Brands	12				
54.	Roll down back drops size 7'x10'	Roll down back drops size 7'x10'	International Recognized Brands	2				
55.	2-Ton Split AC for MCR & Studio	2-Ton Split AC for MCR & Studio	International Recognized Brands	3				
56.	Yamaha audio mixer MG-124CX	Yamaha audio mixer MG-124CX	International Recognized Brands	1				
57.	Electrical material sockets, power cables etc for NLE lab (termination	Electrical material sockets, power cables etc for NLE lab (termination from main DB will be provided by client)	International Recognized Brands	1				

PROCUREMENT OF PLANT&MACHINERY

Plant & Machinery

S/No	Name of Equipment	Specifications	Required Brand	Quantity	Unit Price (w/o GST)	17% GST	Unit Price with GST	G. Total (with GST)
	from main DB will be provided by client)							
58.	Networking points for 20 workstations with complete wiring and I/O	Networking points for 20 workstations with complete wiring and I/O	International Recognized Brands	1				
59.	Installation material for NLE lab	Installation material for NLE lab	International Recognized Brands	1				