

Organisation Details	Buyer Details
Type: Central PSU Ministry: Ministry of Coal Department: Materials Management Organisation Name: Bharat Coking Coal Limited Office Zone: Bccl Dhanbad	Designation: Deputy Manager MM Contact No.: - Email ID: mrunal.mehta@nic.in GSTIN: 20AAACB7934MFZB Address: MM Department, level 3, Commercial Building, Koyla Bhawan, Koyla Nagar, DHANBAD, JHARKHAND-826005, India

Financial Approval Detail	Paying Authority Details
IFD Concurrence: Yes Designation of Administrative Approval: DT(OP) Designation of Financial Approval: DT(P&P)	Payment Mode: Offline Designation: HOD Purchase Finance Email ID: pao5.bccl.jh@gembuyer.in GSTIN: N Address: MM Department, level 3, Commercial Building, Koyla Bhawan, Koyla Nagar, DHANBAD, JHARKHAND-826005, India

Seller Details	
GeM Seller ID: E3D7180000091451 Company Name: HUE SERVICE PRIVATE LIMITED Contact No.: 03322835240 Email ID: hue@hueservice.com Address: 38A,BROAD STREET, Kolkata, WEST BENGAL-700019, - MSME verified: Yes GSTIN: 18AACCH6467K1Z4 , 10AACCH6467K1ZK , 20AACCH6467K1ZJ , 20AACCH6467K1ZJ , 19AACCH6467K1Z2	

*GST / Tax invoice to be raised in the name of - Consignee

Product Details							
#	Item Description	Category Name	Model	HSN Code	Ordered Quantity	Unit	Price (Inclusive of all Duties and Taxes in INR)
1	Product Name : Ruckus Controller Based Outdoor Available Wireless Access Point Brand : Ruckus Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Wireless Access Point	901-T310-XX40	HSN not specified by seller	10	pieces	1,190,000
2	Product Name : FORTINET Appliance Based Authentication, Authorization and Accounting (AAA) Server Brand : FORTINET Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Authentication, Authorization and Accounting (AAA) Server	FAC-400E	HSN not specified by seller	1	pieces	1,852,000
3	Product Name : FORTINET NGFW With 5 Years On Site OEM Warranty Brand : FORTINET Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : OEM verified Reseller	Firewall - NGFW	FortiGate 601E	HSN not specified by seller	1	pieces	2,999,999

4	Product Name : Molex Blue CAT6 U/UTP Cable for Indoor use 305 mtrs. Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	CAT 6 Cable for Indoor use	PowerCat 6 4 Pair PVC Cable Blue CM Rated 305m Box (Molex) (CAA-00076)	HSN not specified by seller	31,415	meter	628,300
5	Product Name : Molex Single mode OS2 HDPE Fibre Cable For Networking Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Fibre Cable for Networking	Single mode fiber cable 12 core (MOLEX-AFOUN012OS2)	HSN not specified by seller	4,300	meter	223,600
6	Product Name : NUMERIC 3.0 KVA UPS Brand : NUMERIC Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Online Ups-IS:9000	3 KVA Onfiniti FMI - 1 Hr Backup (5 Years Warranty)	HSN not specified by seller	5	pieces	890,000
7	Product Name : Ruckus SFP+ Small form-factor pluggable transceiver Brand : Ruckus Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Small form-factor pluggable transceiver	10G-SFPP-LR-S	HSN not specified by seller	148	pieces	6,393,600
8	Product Name : Ruckus 24 Ports Managed PoE+ Layer 2 Access Switch Brand : Ruckus Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Layer 2 Access Switch	ICX7150-24P-4X10GR	HSN not specified by seller	76	pieces	12,768,000
9	Product Name : netracker 12U Rack Enclosures Networking/Server Rack Brand : netracker Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Networking/Server Rack	WM-12-550500	HSN not specified by seller	40	pieces	524,000
10	Product Name : NUMERIC 20.0 KVA UPS Brand : NUMERIC Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Online Ups-IS:9000	20 KVA 31 HP MAX FMI - 1 Hr Backup (5 Years Warranty)	HSN not specified by seller	5	pieces	3,900,000
11	Product Name : Ruckus Controller Based Indoor Available Wireless Access Point Brand : Ruckus Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Wireless Access Point	901-R610-XX00	HSN not specified by seller	140	pieces	8,764,000
12	Product Name : RICHA Insulated Electrical Conduit Pipe 3 Meter Brand : RICHA Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Insulated Electrical Conduits Pipe-IS 9537	Richa 25MM CONDUIT PIPE	HSN not specified by seller	6,440	pieces	618,240

13	Product Name : Molex Duplex Fiber Optic Patch Cord SC - LC Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Fiber Optic Patch Cord	Single mode fiber patch cord , duplex , SC-LC ,(91.9L.872.00300)	HSN not specified by seller	136	pieces	183,600
14	Product Name : RICHA CABLES INDUSTRIES LTD PVC Non braided Flexible Electric Cable Brand : RICHA CABLES INDUSTRIES LTD Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Power cord-Flexible electric cable Heating cables or Wire cotton Power for Heater as per IS:694/as per IS:9968 (Part-1 and 2)	RICHA 2.5mm cable	HSN not specified by seller	4,550	meter	432,250
15	Product Name : Molex Single Mode, Simplex and Single Mode, Duplex Fiber Optic Patch Panels, Rack Mountable 24 port with SC and ST and FC and LC connector Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Fiber Optic Patch Panels, Rack Mountable	24 PORT FIBER PATCH PANEL LOADED WITH ADAPTER AND PIGTAIL (MOLEX-17.C139G + Accessory)	HSN not specified by seller	34	pieces	630,700
16	Product Name : Molex Blue CAT6 U/UTP Patch cord 1.0 Mtrs Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Cat 6 Patch cord	(PCD-02001-0H) Molex CAT 6 Patch Cord U/UTP,	HSN not specified by seller	1,139	meter	158,321
17	Product Name : Molex Yes CAT 6 U/UTP Cat 6 Patch Panel Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	CAT 6 Patch Panel	PID-00141	HSN not specified by seller	76	pieces	311,600
18	Product Name : Molex Yes RJ45 Yes CAT 6 Information outlet Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	CAT 6 Information outlet	CAT 6 Information outlet with face plate (Blue Color) (KSJ-00018-BL + WSY-00012-02)	HSN not specified by seller	1,197	pieces	331,569
19	Product Name : netrack 42U Rack Enclosures Networking/Server Rack Brand : netrack Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Networking/Server Rack	Floor Mount Rack Assembly / NRS1/42U 800X1000/ Accessories	HSN not specified by seller	1	pieces	61,700
20	Product Name : BERLIA 40 mm Diameter PE 100 HDPE Pipe For Water Supply Brand : BERLIA Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Hdpe Pipes For Water Supply-IS 4984	BERLIA HDPE PIPE 40MM BER-40MM	HSN not specified by seller	2,200	meter	138,600
	Product Name : Ruckus Non Chassis						

21	Based Layer-3 Core Switch 5 Year Warranty Brand : Ruckus Brand Type : Registered Brand Catalogue Status : OEM verified catalogue Selling As : OEM verified Reseller	Layer-3 Core Switch	ICX7450-24	HSN not specified by seller	2	pieces	1,050,000
22	Product Name : Molex Green CAT6 U/UTP Patch cord 2.0 Mtrs Brand : Molex Brand Type : Registered Brand Catalogue Status : Catalogue not verified by OEM Selling As : Reseller not verified by OEM	Cat 6 Patch cord	(PCD-02003-0J) Molex CAT 6 Patch Cord U/UTP,LSZH 2 Meter Color-Green	HSN not specified by seller	2,394	meter	383,040

Total Order Value (in INR)

44,433,119

Consignee Detail

S.No	Consignee	Item	Lot No.	Quantity	Delivery Start After	Delivery To Be Completed By
1	Designation: - Email ID: con1.bccl.jh@gembuyer.in Contact: 62876-95727- GSTIN: 20AAACB7934MFZB Address: Depot Officer, Central Store, Ekra, BCCL, Post Office- BANSJORA, Dhanbad, Jharkhand-828101., DHANBAD, JHARKHAND-828101, India	FORTINET NGFW With 5 Years On Site OEM Warranty	-	1	30-Mar-2021	28-Jun-2021
		Ruckus SFP+ Small form-factor pluggable transceiver	-	148	30-Mar-2021	28-Jun-2021
		Ruckus Controller Based Indoor Available Wireless Access Point	-	140	30-Mar-2021	28-Jun-2021
		Molex Single Mode, Simplex and Single Mode, Duplex Fiber Optic Patch Panels, Rack Mountable 24 port with SC and ST and FC and LC connector	-	34	30-Mar-2021	28-Jun-2021
		netrack 42U Rack Enclosures Networking/Server Rack	-	1	30-Mar-2021	28-Jun-2021
		Ruckus Controller Based Outdoor Available Wireless Access Point	-	10	30-Mar-2021	28-Jun-2021
		Molex Single mode OS2 HDPE Fibre Cable For Networking	-	4,300	30-Mar-2021	28-Jun-2021
		netrack 12U Rack Enclosures Networking/Server Rack	-	40	30-Mar-2021	28-Jun-2021
		Molex Duplex Fiber Optic Patch Cord SC - LC	-	136	30-Mar-2021	28-Jun-2021
		Molex Yes CAT 6 U/UTP Cat 6 Patch Panel	-	76	30-Mar-2021	28-Jun-2021
		Ruckus Non Chassis Based Layer-3 Core Switch 5 Year Warranty	-	2	30-Mar-2021	28-Jun-2021
		Molex Blue CAT6 U/UTP Cable for Indoor use 305 mtrs.	-	31,415	30-Mar-2021	28-Jun-2021
		Ruckus 24 Ports Managed PoE+ Layer 2 Access Switch	-	76	30-Mar-2021	28-Jun-2021
		RICHA Insulated Electrical Conduit Pipe 3 Meter	-	6,440	30-Mar-2021	28-Jun-2021
		Molex Blue CAT6 U/UTP Patch cord 1.0 Mtrs	-	1,139	30-Mar-2021	28-Jun-2021
		BERLIA 40 mm Diameter PE 100 HDPE Pipe For Water Supply	-	2,200	30-Mar-2021	28-Jun-2021
		FORTINET Appliance Based Authentication, Authorization and Accounting (AAA) Server	-	1	30-Mar-2021	28-Jun-2021
		NUMERIC 3.0 KVA UPS	-	5	30-Mar-2021	28-Jun-2021
		NUMERIC 20.0 KVA UPS	-	5	30-Mar-2021	28-Jun-2021
		RICHA CABLES INDUSTRIES LTD PVC Non braided Flexible Electric Cable	-	4,550	30-Mar-2021	28-Jun-2021
Molex Yes RJ45 Yes CAT 6 Information outlet	-	1,197	30-Mar-2021	28-Jun-2021		

Product Specification for Ruckus Controller Based Outdoor Available Wireless Access Point

Specification	Sub-Spec	Value
Specification	Type of Access Point	Controller Based
	Deployment	Outdoor
	Mounting	Wall
	Antenna Type	Internal
	Number Of Radios	Dual
	Frequency Band	2.4 GHz,5.0 GHz,2.4 GHz & 5.0 GHz
	Supported Wi-fi Standards	802.11a,802.11b/g,802.11 b/g/n,802.11ac,802.11 a/b/g/n/ac,802.11ac Wave 1,802.11ac Wave 2
	Wireless Speed Up to (Mbps)	1167
	Max Wireless Signal Range im Mts	100
	Channel Width (MHz)	80
	Maximum Data Rate MBps	1167
	Supported Encryption	WEP,WPA-PSK,WPA-TKIP,WPA2 AES,802.11i,EAP-TLS.
	Dedicated Console Port	Not Available
	Receiver Sensitivity in db	-101
	Transmit power (tx)(dBm)	24
	Radio Resource Management such for power channel,coverage hole detection and performance optimization	Available
	Support for Load Balancing between 2-4 Ghz and 5 Ghz	Available
	Support for Configurable Carrier Threshold	Available
	Device Management	Web-based Configuration Interface (GUI)
	Support for Mesh Networking	Available
	Support for QoS for Voice over Wireless	Available
	Support for MU-MIMO	Available
	Number of MIMO supported & Spatial Streams	2 x 2 :2
	Number of WLAN (SSID) per AP	31
	Maximum clients Nos	512
	Support for Autonomous access-point option	Available
	USB Ports	Available
	Number of 10/100/1000 port	1
	mGig support	Not Available
	Fiber port (in case of outdoor AP)	Not Available
	Support for Bluetooth Low Energy (BLE) support on AP	Available
	Support for Beam forming	Available
	Operate as a sensor for wireless IPS	Available
Support for QoS and Video Call Admission Control capabilities	Available	
Support for Rogue access point detection	Available	
Support for Wireless Intrusion Protection System	Available	

WPC certified	Yes
Wi-Fi CERTIFIED	Yes
Support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simultaneously	Not Available
Powering options (Such as AC/DC, 802/3af PoE, 802/3at PoE+), specify	AC/DC With With Power Addopter,802.3af PoE,802.3at PoE+
Power POE (Watt)	11.86
Environmental Standard : plenum-rated (UL2043) for Indoor and IP67 for Outdoor	Yes
Operating Temperature Range (Degree C)	-40°C to 65°C
Operating Humidity (%RH)	95
Dimension (mm x mm x mm)	181X151X79
Weight (grams)	1000
On Site OEM Warranty (Years)	5

Product Specification for FORTINET Appliance Based Authentication, Authorization and Accounting (AAA) Server

Specification	Sub-Spec	Value
Specification	AAA Server Type	Appliance Based
	Integration and Security Support from day 1	Wired and Wireless
	Minimum Number of Concurrently Handled Device	1000
	Number of Concurrent Users	2000
	Users scalable upto	upto 2000
	Devices scalable upto (Devices are mixture of guest users , tenants , organization staff and machine end points)	upto 2000
	BYOD with Self-service authorization and device provisioning via open network	Yes
	Machine Authentication (or an appropriate alternative) by adjoined Windows laptops/tablets allowing wireless connection before user logon	Supported
	Issue certificates to mobile devices like Tabs/iPads - to allow machine authentication for non-AD joined devices	Supported
	Built-in user database with per device/user credential management and Seamless backend integration with RADIUS, AD, LDAP	Yes
	Threat-Centric and conduct scan test for vulnerability assessment of Endpoint devices and control access based on endpoint's threat score	No
	Intuitive user/device management and Unified device visibility and reporting	Yes
	Self-service 802 point 1X and guest access,MAC authentication for selective devices and Social Login	Yes
	Integrated AAA server with key policy definitions, Integration with external AAA server and CA server	Yes
	Integrate with existing user databases like Microsoft AD/LDAP/Certificate Authority	Supported
	Scalable to enforce device-specific settings for antivirus, firewall and OS patches	No
	Enforce custom user and device privileges	No
	On Site OEM Warranty (Years)	5

Product Specification for FORTINET NGFW With 5 Years On Site OEM Warranty

Specification	Sub-Spec	Value
	Type	NGFW
	Form Factor (RU)	1
	Features	Layer 3 - Layer 4,NAT,VPN,Application Visibility and Control (AVC),Next Generation Intrusion Prevention System (IPS)

Specification

Traffic handled	TCP,UDP,HTTP/TCP,TCP/UDP
Packet Size (KB)	64
Throughput with all features enabled(Under Test Condition) (Mbps)	9000
Throughput (Real World/Prod Performance)(Under Test Condition) (Mbps)	9000
Concurrent Session/Concurrent Connection	8M
New session/Connection per second	450K
Type of Interface Supported Multiselect	10G SFP+
Number of GE Copper interface	8
Number of 10G SFP+ interface	2
Number of QSFP+ 40 G interface	0
Number of GE Small Form-Factor Pluggable (SFP) interface	8
Number of QSFP28 100 G interface	0
Number of col /WAN Ports	8
Number of Ipsec VPN Peers supported (Site to Site)	2000
Number of Ipsec VPN Peers supported (Client to Site)	50000
Number of SSL VPN Peers supported (Client to Site)	10000
Type of Storage Disk	SSD
Storage Capacity (GB)	400
Power Supplies	Dual Dual
Hot Swappable Power Supply	Yes
Redundant Fan	Yes
Hot Swappable (Redundant Fan)	No
Type of Processor	x86
High Availability Support	Yes
If Yes, High Availability from day 1	NA
Interface Expansion slots supported	0
Firewall Policies - License	Yes
Details of the Firewall Policies for the Firewall provided with the License	Web Security Essentials / URL Filtering,IPS License,Application Visibility License,APT (Advance Persistent Threat) License (Anti Malware Protection , C & C attacks, Geo IP Protection, Zero Day Threat Protection),Gateway Anti virus,Gateway Anti spam
NGIPS Signature supported	10000

Security Intelligence	IP,Domain
Certification	Common Criteria /NDPP/NSS
Minimum Operating Temperature (Degree C)	0
Maximum Operating Temperature (Degree C)	40
Minimum Operating Humidity (%RH)	10
Maximum Operating Humidity (%RH)	75
IPv6 Ready from day 1	Yes
On Site OEM Warranty (Year)	5

Buyer Defined Additional Specification for FORTINET NGFW With 5 Years On Site OEM Warranty

Specification	Value
Throughput with all features enabled(Under Test Condition) (Mbps)	9000 or higher shall be considered as bid requirement allowed value.
Throughput (Real World/Prod Performance)(Under Test Condition) (Mbps)	9000 or higher shall be considered as bid requirement allowed value.
Type of Interface Supported Multiselect	10G SFP+ or higher shall be considered as bid requirement allowed value.
Type of Storage Disk	SSD Or higher shall be considered as bid requirement allowed value.

Product Specification for Molex Blue CAT6 U/UTP Cable for Indoor use 305 mtrs.

Specification	Sub-Spec	Value
GENERIC	Cate 6 cable conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	Cable category: Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair or Category 6 Shielded /Foiled Twisted Pair	CAT6 U/UTP
	Cable colour	Blue
	Conductor diameter	0.57 mm (23 AWG)
	Conductor count (in Nos.,)	8
	Length of cable in a bundle (Mtrs)	305 mtrs.
CONSTRUCTIONAL	"CAT6 Cable can transmit data at 1000 Mbps (~1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE-TX Fast Ethernet and 1000BASE-T / 1000BASE-TX (Gigabit Ethernet)."	Yes
	Maximum DC resistance - in Ohm/Km	Max. 100 Ohm/Km
	Conductor Materail	Bare Copper
	Conductor Insulation Material	Polyethylene
	Cable jacket material	Fire retardant PVC
	Conductor stranding	Solid
	Cable should have internal cross separator	Yes
	Storage temperature range	minus 20 degree C to plus 60 degree C
	Operating temperature range	minus 20 degree C to plus 60 degree C
	Each meter printed with sequential length counter of cable apart from marking requirement as per relevant specifications and certifications	Yes
	Category 6 cable shall have valid verified certificate from ERTL/ETL /Intertek/3P /GHMT /Delta/UL as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	If "Yes" Certificate Number - Must declare	VOICECOM-ITK/16-70

CERTIFICATIONS	UL Marking on Cable	Yes
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to conformity of the Specification	Yes
	Test report Number	VOICECOM-ITK/16-70
	Report date	15-12-2018
	Name and address of Lab	Intertek, New Delhi
	All the test reports and certificates shall furnish to the buyer/consignee on demand	Yes

Product Specification for Molex Single mode OS2 HDPE Fibre Cable For Networking

Specification	Sub-Spec	Value
Generic	Fibre cable generally conforming to IEC 60793-1, IEC 60793-2, and to conform other normative specifications as specified in IEC:60793 Part 1 and Part 2	Yes
	Fibre count	12
	Jacket material	HDPE
	Fibre type	Single mode OS2
	Nominal Cable weight Kg/Km - Must declare	80
	Operational temperature range	-20 deg C to +60 deg. C
	Storage temperature range	-20 deg C to +60 deg. C
Constructional	Type of tube / no. of tube / no. of core per tube	Unitube /1/12
	Cable Armouring	Armoured with ECCS tape
	Each meter printed with sequential length counter of cable apart from marking requirement as per relevant specifications and certifications	Yes
Certifications	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to conformity of the Specification	Yes
	Test report Number	180612
	Report date	12-06-2018
	Name and address of Lab	Molex internal lab
	All the test reports and certificates shall furnish to the buyer/consignee on demand	Yes
Performance	Maximum Crush Resistance(short)	125 lbs/in (220 N/cm)
	Maximum Crush Resistance(long)	63 lbs/in (110 N/cm)
	Minimum Bend Radius(installation)	20 X OD
	Minimum Bend Radius(in service)	10 X OD
	Max Tensile load	long term: 800N
	Installation temperature range	-30 deg C to + 60 deg C
	Loose tube diameter	2.5±0.2mm

Product Specification for NUMERIC 3.0 KVA UPS

Specification	Sub-Spec	Value
	Rating in KVA (KVA)	3.0 KVA
		IGBT-PWM with inbuilt isolation

Generic	Technology	transformer
	Input Power	single phase 160V - 260V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	60
	Minimum VAH (VAH)	6240
	Warranty for UPS (Years)	5
	Movable trolley for Batteries	Without trolley but with rack
	Warranty for battery	2
	Degree of Protection	IP20
	Cabling 5 meters for input and out put	Without
	Paralleling kit for synchronising	Without
	Installation and Commissioning	Yes
	Constructional	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)
Type of Battery		SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Functional	Maximum overshoot and Under shoot of output rated voltage	4
	Voltage Regulation from no load to full load (%)	< / = 3%
	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=90%
	Total Harmonic Distortion(THD) (%)	Maximum 3%
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds
Protection	Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes
	Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes
Metering And Indications	Digital Metering in UPS for AC Input Voltage,Output AC Voltage,Current,Frequency,Battery Voltage and Current	Yes
	Indicators for mains presence,Battery charging and discharging,Output Over Load, Low Battery Voltage	Yes
Reports And Certification	Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes
	Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes
	Type Test Certificate No.	NTH(SR)/EL(C)/2014
	Type Test Certificate date	2014
	Name of Lab	NATIONAL TEST HOUSE
	Address of Lab	TARAMANI, CHENNAI
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes

Product Specification for Ruckus SFP+ Small form-factor pluggable transceiver

Specification	Sub-Spec	Value
	Type of Transceiver	SFP+

Specification	SFP Mode	Single
	Supported Protocols	802.3ae
	Compatability with OEMs Products	Ruckus
	Wavelength(nm)	1310
	Fibre Cable Type	Single Mode Fiber
	Core Size (Micron)	9
	Maximum Data Rate	10000
	Modal Bandwidth (MHz/Km)	0
	Max.Cable Distance	10000
	Optical Component (nm)	1310
	Digital Optical Monitoring (DOM) Support	Yes
	Interface	LC
	Tx Power (dBm)	-8.2
	Receiver Sensitivity (dBm)	-14.4
	Operating Temperature Range(Degree C)	70
	Operating Humidity (RH) (%)	90
	On Site OEM Warranty (Year)	5

Product Specification for Ruckus 24 Ports Managed PoE+ Layer 2 Access Switch

Specification	Sub-Spec	Value
Specification	Type of Switch	Managed
	Technology	PoE+
	Number of 1G Copper Ports	24
	Number of 10G Copper Ports	0
	No. of 1 G SFP Port (Uplink)	0
	No. of 10 G SFP+ Port (Uplink)	4
	Multi-Gigabit Support	No
	Redundant Power supply (from day one)	Not available
	Console Port	Available
	Switching Capacity -Non Blocking (Gbps)	132
	Throughput (MPPS)	98
	Operating System	available
	Dedicated Stacking Port/Slot (from day one)	Supported
	Stacking Bandwidth (Gbps)	80
	Basic Layer-3 Protocol	static routing, RIP
	Security Feature	802.1x, DHCP snooping, MAC auth., CoA, DoS, SSHv2, RADIUS/TACACS/TACACS+
	Management Protocol	Bootp, CLI, SNMPv1/v2c, TelNet, SFlow, TFTP, SNMPv3, DoM, DHCP, NTP, HTTP/HTTPS
	QoS	ToS, DSCP, Classifying and Limiting Flows Based on TCP Flags, Div Serv, WRR and SP
	Operating Temperature Range (Degree C)	0°C to 45°C
	Operating Humidity (RH)(%)	10% to 90%
IPv6 Ready from day one and dully certified	Yes	

PoE Power Budget (Watt)	370
on Site OEM Warranty	5

Buyer Defined Additional Specification for Ruckus 24 Ports Managed PoE+ Layer 2 Access Switch

Specification	Value
Basic Layer 3 Protocol	Static Routing, RIP shall be in offered product.
Security Features	802.1X, MAC Authentication, DHCP Snooping, RADIUS/TACACS/TACACS+, SSHv2 shall be in offered product.
Management Protocol	DHCP, TFTP, TELNET, HTTP/HTTPs, Client, SNMPv1/v2c shall be in offered product.
QoS	ToS/DSCP shall be in offered product.
Datasheet of quoted product	Should be uploaded along with the bid for verifying all above mentioned additional parameters.

Product Specification for netrack 12U Rack Enclosures Networking/Server Rack

Specification	Sub-Spec	Value
Specifications	Type of Server Racks	Rack Enclosures
	Size of Server Rack Enclosure	12U
	Depth of the Rack (mm)	Upto 500
	Mount Type	Wall mount
	Front glass Door	Yes
	Type of glass used in front door	Transparent Toughened Glass
	Material used for rear door	CRCA Steel
	Both rear and front doors with Perforation	No
	Side Panels With Key Locks and Slam Latch	No
	Secure Locks	Available
	Rear split door design	No
	Keyboard Tray Sliding and Rotary	No
	Shelf For CRT/TFT Display	No
	Cable channel in rear side for cable management	No
	Support cable entry from top or bottom	Yes
	Vertical & Horizontal managers	Yes
	Numbers of Rack trays	1
	Number of Fan For Heat dissipation (nos)	1
	Number of fan trays	1
	Heavy Duty Caster Wheels	NA
	If yes, then Front Break Options	NA
	Load Bearing Capacity (Kgs)	50
	If Wall mount racks then ,Swing-Out Racks	NA
	Dust or water resistant	No
PDU Power Strips	Available	
Weight (Kg)	15	
Warranty (Years)	5	

Product Specification for NUMERIC 20.0 KVA UPS

Specification	Sub-Spec	Value
Generic	Rating in KVA (KVA)	20.0 KVA
	Technology	IGBT-PWM with inbuilt isolation transformer
	Input Power	Three phase 300 V - 450V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	60
	Minimum VAH (VAH)	34560
	Warranty for UPS (Years)	5
	Movable trolley for Batteries	Without trolley but with rack
	Warranty for battery	2
	Degree of Protection	IP20
	Cabling 5 meters for input and out put	Without
	Paralleling kit for synchronising	Without
	Installation and Commissioning	Yes
	Constructional	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)
Type of Battery		SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Functional	Maximum overshoot and Under shoot of output rated voltage	4
	Voltage Regulation from no load to full load (%)	< / = 3%
	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=90%
	Total Harmonic Distortion(THD) (%)	Maximum 3%
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds
Protection	Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes
	Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes
Metering And Indications	Digital Metering in UPS for AC Input Voltage,Output AC Voltage,Current,Frequency,Battery Voltage and Current	Yes
	Indicators for mains presence,Battery charging and discharging,Output Over Load, Low Battery Voltage	Yes
Reports And Certification	Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes
	Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes
	Type Test Certificate No.	PPTL/UPS - 2013
	Type Test Certificate date	2013
	Name of Lab	NISAKI
	Address of Lab	BANGALORE
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Not applicable presently

Product Specification for Ruckus Controller Based Indoor Available Wireless Access Point

Specification	Sub-Spec	Value
Specification	Type of Access Point	Controller Based
	Deployment	Indoor
	Mounting	Wall
	Antenna Type	Internal
	Number Of Radios	Dual
	Frequency Band	2.4 GHz,5.0 GHz,2.4 GHz & 5.0 GHz
	Supported Wi-fi Standards	802.11a,802.11b/g,802.11 b/g/n,802.11ac,802.11 a/b/g/n/ac,802.11ac Wave 1,802.11ac Wave 2
	Wireless Speed Up to (Mbps)	1750
	Max Wireless Signal Range im Mts	50
	Channel Width (MHz)	160
	Maximum Data Rate MBps	1750
	Supported Encryption	WEP,WPA-PSK,WPA-TKIP,WPA2 AES,802.11i,EAP-TLS.
	Dedicated Console Port	Not Available
	Receiver Sensitivity in db	-100
	Transmit power (tx)(dBm)	25
	Radio Resource Management such for power channel,coverage hole detection and performance optimization	Available
	Support for Load Balancing between 2-4 Ghz and 5 Ghz	Available
	Support for Configurable Carrier Threshold	Available
	Device Management	Web-based Configuration Interface (GUI)
	Support for Mesh Networking	Available
	Support for QoS for Voice over Wireless	Available
	Support for MU-MIMO	Available
	Number of MIMO supported & Spatial Streams	3 x 3 :2
	Number of WLAN (SSID) per AP	31
	Maximum clients Nos	512
	Support for Autonomous access-point option	Available
	USB Ports	Available
	Number of 10/100/1000 port	2
	mGig support	Not Available
	Fiber port (in case of outdoor AP)	Not Available
	Support for Bluetooth Low Energy (BLE) support on AP	Available
	Support for Beam forming	Available
	Operate as a sensor for wireless IPS	Available
Support for QoS and Video Call Admission Control capabilities	Available	
Support for Rogue access point detection	Available	
Support for Wireless Intrusion Protection System	Available	
WPC certified	Yes	
Wi-Fi CERTIFIED	Yes	

Support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simultaneously	Not Available
Powering options (Such as AC/DC, 802/3af PoE, 802/3at PoE+), specify	AC/DC With With Power Addopter,802.3af PoE,802.3at PoE+
Power POE (Watt)	21.8
Environmental Standard : plenum-rated (UL2043) for Indoor and IP67 for Outdoor	Yes
Operating Temperature Range (Degree C)	0°C - 40°C
Operating Humidity (%RH)	95
Dimension (mm x mm x mm)	201X195X51
Weight (grams)	578
On Site OEM Warranty (Years)	5

Product Specification for RICHA Insulated Electrical Conduit Pipe 3 Meter

Specification	Sub-Spec	Value
GENERIC	Conformity to Indian Standard	IS:9537(Part-3) Latest
	Classification of Conduit	Light Mechanical Stresses
CONSTRUCTIONAL	Material	PVC
	Nominal Size of the Conduit, (mm)	25
	Length (Metres)	3
	Socket ended conduit (at one end)	Yes
CERTIFICATION	ISI Marked	Yes
	CM/L No	8604577
	Availability of Test Reports from Central Govt./State Govt/NABL/IL AC accredited Lab covering all the Declared Parameters as per IS Specification	YES
	Test Report No and Date	EL(C)/2013/252
	Name of the Lab	national test house
	Address of the Lab	Chennai 600113

Note: Seller has given an undertaking that it has made arrangements for getting the stores from an authorized distributor / dealer / channel partner of the OEM of the offered product. At the time of delivery of goods, Seller will provide necessary chain documents (in the form of GST Invoice) to prove that the supplied goods are genuine and are being sourced from an authorized distributor / dealer / channel partner of the OEM. In case of any complaint about genuineness of the supplied products, Seller shall be responsible for providing genuine replacement supplies.

Product Specification for Molex Duplex Fiber Optic Patch Cord SC - LC

Specification	Sub-Spec	Value
GENERIC	Description of item	Fiber Optic Patch Cord for Optical Fiber Cabling
	Connector type, Connector End A	SC
	Connector type, Connector End B	LC
	Cable type	Duplex
	Fiber type	Single Mode 9/125 micron
	Cable Size, Outer dia (in mm)	0.9
	Cord Length (in m)	3

	Jacket material (Sheath material)	LSZH
	Cable color	Yellow
	Operating temprature	-10 deg.C to +60 deg C
CONSTRUCTION	Connector Insertion loss, Max. (in dB)	0.3
	Connector Return loss , Min. (in dB)	50
	Material of Ferrule	Zirconia Ceramic, PreRadiused and pre polished
	Durability	500 Mating cycle
CERTIFICATIONS	Availability of Type test report from Central government/NABL/ILAC accredited laoratory to prove conformity of products to the specification	Yes
	Test report number - Must declare	180612
	Report date - Must declare Must declare	18-06-2018
	Name of lab - Must declare Must declare	Molex india pvt ltd
	Address of lab - Must declare Must declare	delhi
	Agreed to furnish all the test reports and certificates to the buyer/consignee on demand	Yes

Product Specification for RICHA CABLES INDUSTRIES LTD PVC Non braided Flexible Electric Cable

Specification	Sub-Spec	Value
GENERIC	Conformation of cable to	IS: 694 for PVC insulated cable
	BIS Marked	Yes
	CM/L No	2643961
CONSTRUCTIONAL	Working voltage	Upto 1100V
	Type of insulation	PVC
	Type of sheath	PVC
	Sheated	Yes
	Outer cover material	Non braided
	No. of cores	3
	Conductor material	Copper
	Size of the conductor	2.5 SQMM 3 CORE
	Type of conductor	Stranded
	Type of service	General
	Type of flexible cord	Unkinkable
	Length of cable in a bundle (meter)	100
Cable bundle weight (kgs)	11	
CERTIFICATIONS	Availability of Type test report from Central government/NABL/ILAC accridiated laboratory to prove conformity to the specification	Yes
	Test report number	186/001/029
	Test Report Date	01-04-2016
	Name of Lab	RICHA CABLE
	Address of the lab	Ghaziabad(U.P)

Product Specification for Molex Single Mode, Simplex and Single Mode, Duplex Fiber Optic Patch Panels, Rack

Mountable 24 port with SC and ST and FC and LC connector

Specification	Sub-Spec	Value
GENERIC	Description of item	Rack Mountable Fiber Optic Patch Panels (Pre-Loaded) for Fiber Cabling and it manage both splices and terminations and panel with rubber grommet
	Type of Connector for which optic fiber panel is compatible	SC,ST,FC,LC
	Fiber Optic Panels Compatible for	Single Mode, Simplex,Single Mode, Duplex
	No. of ports (in Nos.)	24
	Size of Fiber Optic Patch panel suitable for	19 inch 1 U Rack
	Material of Panel	Steel
	Color of the panel	Grey (Powder coated)
	Accessories	Mounting kit /Bracket,Cable ties,Mounting Ear Screw,Cable entry Gland,Fiber Management clip,Cable Grounding kits,Port Caps
	Cable saddles	Front mounted
	Top and Front cover	Removable
CERTIFICATIONS	Availability of Type test report from Central government/NABL/ILAC accredited laoratory to prove conformity of products to the specification	Yes
	Test report number - Must declare	E325693
	Report date - Must declare Must declare	25-11-208
	Name of lab - Must declare Must declare	Underwriters Lab Inc
	Address of lab - Must declare Must declare	bangalore
	Agreed to furnish all the test reports and certificates to the buyer/consignee on demand	Yes

Product Specification for Molex Blue CAT6 U/UTP Patch cord 1.0 Mtrs

Specification	Sub-Spec	Value
GENERIC	Cate 6 patch cord conforming to ANSI/TIA/EIA-568 C.2 or ISO/IEC:11801 latest	Yes
	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair	CAT6 U/UTP
	Patch cord colour	Blue
	Conductor diameter	24 to 26 AWG
	Length of Patch cord (Mtrs)	1.0
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes
	Termination type / Connection type	Insulation Piercing Connection (IPC)
	Modular plug	RJ45
	Plug insertion durability	? 750 mating cycles"
	Conductor Materail	Stranded copper
	Conductor Insulation Material	Polyethelene
	Cable jacket material	Low Smoke zero halogen (LSZH)
	Storage temperature range	-20 deg.C to +60 deg.C
Operating temperature range	-20 deg.C to +60 deg.C	

CERTIFICATIONS	Category 6 patch cord shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/Intertek /UL as per CAT 6 standards ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	If "Yes" Certificate number - Must declare	10041025BCRT-0010
	UL Marking on Cable	Yes
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes
	Test report number	120618
	Report date	18-06-2019
	Name and address of lab	Molex india Pvt.Ltd.
	All the test reports shall furnish to the buyer/consignee on demand	Yes

Product Specification for Molex Yes CAT 6 U/UTP Cat 6 Patch Panel

Specification	Sub-Spec	Value
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes
	Material of patch panel	Cold rolled steel
	Modular plug fitting (RJ 45)	Individual ports for loaded
	Plug insertion durability	? 750 mating cycles"
	Holder for connector / module	Yes
	Dust protection for information outlet	Yes
GENERIC	CAT 6 patch Panel conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	Patch panel suitability for (Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair)	CAT 6 U/UTP
	Height of patch panel	1 U
	No. of ports (RJ 45)	24 Ports Loaded
	Cable Management (Rear side)	With
CERTIFICATIONS	Category 6 patch panel / information outlet shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/UL/Intertek as per CAT 6 standards ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	If "Yes" Certificate Number - Must declare	100846218CRT-001A
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes
	Test report number	18-8496
	Report date	11-NOV-2019
	Name and address of lab	MOLEX INTERNAL LAB
	All the test reports shall furnish to the buyer/consignee on demand	Yes

Product Specification for Molex Yes RJ45 Yes CAT 6 Information outlet

Specification	Sub-Spec	Value
GENERIC	Cate 6 Information outlet with faceplate (Single/Dual/Quad) conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	Type of information outlet	U/UTP (Unshielded)
	Connector type	RJ45
	No. of ports (RJ 45)	One port

	Dust protection for Face Plate or Information Outlet	Yes
	Back Box (3x3 inches)	Yes
	Termination type	With tool
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes
	Plug insertion durability	? 750 mating cycles
CERTIFICATIONS	Category 6 information outlet shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/UL/Intertek as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	If "Yes" Certificate number must declare	3040798
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes
	Test report number - Must declare	180612
	Report date - Must declare	12-06-218
	Name and address of lab - Must declare	MOLEX INDIA PVT LTD
	All the test reports shall furnish to the buyer/consignee on demand	Yes

Product Specification for netrack 42U Rack Enclosures Networking/Server Rack

Specification	Sub-Spec	Value
Specifications	Type of Server Racks	Rack Enclosures
	Size of Server Rack Enclosure	42U
	Depth of the Rack (mm)	Upto 1000
	Mount Type	Free-Standing
	Front glass Door	Yes
	Type of glass used in front door	Transparent Toughened Glass
	Material used for rear door	SPCC Quality Cold Rolled Steel Metal
	Both rear and front doors with Perforation	Yes
	Side Panels With Key Locks and Slam Latch	Yes
	Secure Locks	Available
	Rear split door design	No
	Keyboard Tray Sliding and Rotary	No
	Shelf For CRT/TFT Display	Yes
	Cable channel in rear side for cable management	Yes
	Support cable entry from top or bottom	Yes
	Vertical & Horizontal managers	Yes
	Numbers of Rack trays	1
	Number of Fan For Heat dissipation (nos)	4
	Number of fan trays	1
	Heavy Duty Caster Wheels	Yes
If yes, then Front Break Options	Available	
Load Bearing Capacity (Kgs)	750	

	If Wall mount racks then ,Swing-Out Racks	Not Available
	Dust or water resistant	No
	PDU Power Strips	Available
	Weight (Kg)	100
	Warranty (Years)	3

Product Specification for BERLIA 40 mm Diameter PE 100 HDPE Pipe For Water Supply

Specification	Sub-Spec	Value
Specification	Conformity to Indian Standard IS 4984 Latest	Yes
	ISI Marked	Yes
	CM/L No	9966014
Raw Material	Material	Virgin
	Material Grade	PE 100
Dimensions	Pressure Rating at 30 degree Centigrade	PN 12.5
	Nominal Diameter (mm)	40
	Length of Pipe (Metre)	100
Supply Type and Colour	Supply Type	Coils
	Colour of Pipe	black
Test Report	Availability of Test Reports of from Central Govt./State Govt/NABL/IL AC accredited Lab to prove conformity to the Specification	YES
	Test Report No	CIPET/HO/PDI18192379
	Test Report Date	16.01.2019
	Name of the Lab	CIPET
	Address of the Lab	CHENNAI
	Test Report to be furnished on request by Buyer	Yes

Product Specification for Ruckus Non Chassis Based Layer-3 Core Switch 5 Year Warranty

Specification	Sub-Spec	Value
	Type Of Core Switch	Non Chassis Based
	No. of Interface Slots	0
	No. of MPU/SUP/Fabric Slots (with redundancy)	0
	No. of Power supply (with redundancy)	2
	No. of FAN Tray	2
	No. of 1G/10G SFP+ Port	8
	No. of 1000 base-T Ports	24
	Support for 40G QSFP+ Port	Yes
	Number of 40G Q SFP+ Porta	0
	Support for 100G QSFP+ Port	Yes
	Number of 100 G QSFP+ Port	0
	Console Port	Available
	Modular OS	Available

Generic	Support for virtual Chassis	Yes
	Switching Capacity (Gbps)	288
	Throughput (MPPS)	214
	Advance Layer-3 Protocol	OSPFv3,BGP4+,VRRPv3
	Security Feature	802.1X,MAC authentication,DHCPsnooping,IEEE 802.1X,AES,RADIUS/TACACS/TACACS+,SSHv2
	Management Protocol	SNMPv1/v2c,RSPAN,TELNET Client and Server,TFTP,Bootp,VCT,NTP,SCP,Sflow
	QoS	ACL Mapping/Marking of ToS/DSCP(CoS), Honoring DSCP&802.1p (CoS)
	Dimension/ Form Factor(RU)	440X393.7X43.7 mm
	Wattege (Watt)	500
	Operating Temperature (Degree C)	-5°C to 50°C
	Operating Humidity (RH)(%)	10% to 90% at 50°C, non-condensing
	IPv6 Ready	Yes
	On Site OEM Warranty(Year)	5

Buyer Defined Additional Specification for Ruckus Non Chassis Based Layer-3 Core Switch 5 Year Warranty

Specification	Value
Advance Layer 3 Protocol	OSPFv3, BGP4+, VRRPv3 shall be in offered product.
Security Features	802.1X, MAC Authentication, DHCP Snooping, RADIUS/TACACS/TACACS+, SSHv2 shall be in offered product.
Management Protocol	TFTP, TELNET Client and Server, sFlow, SNMPv1/v2 shall be in offered product.
QoS	ACL Mapping/ Marking of ToS/DSCP(CoS), Honoring DSCP and 802.1p(CoS) shall be in offered product.
Datasheet of quoted product	Should be uploaded along with the bid for verifying all above mentioned additional parameters.

Product Specification for Molex Green CAT6 U/UTP Patch cord 2.0 Mtrs

Specification	Sub-Spec	Value
GENERIC	Cate 6 patch cord conforming to ANSI/TIA/EIA-568 C.2 or ISO/IEC:11801 latest	Yes
	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair	CAT6 U/UTP
	Patch cord colour	Green
	Conductor diameter	24 to 26 AWG
	Length of Patch cord (Mtrs)	2.0
CONSTRUCTIONAL	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes
	Termination type / Connection type	Insulation Piercing Connection (IPC)
	Modular plug	RJ45
	Plug insertion durability	? 750 mating cycles"
	Conductor Materail	Stranded copper
	Conductor Insulation Material	Polyethelene
	Cable jacket material	Low Smoke zero halogen (LSZH)
	Storage temperature range	-20 deg.C to +60 deg.C
Operating temperature range	-20 deg.C to +60 deg.C	

CERTIFICATIONS	Category 6 patch cord shall have valid verified certificate in channel from ETL /3P /GHMT /Delta/Intertek /UL as per CAT 6 standards ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes
	If "Yes" Certificate number - Must declare	10041025BCRT-0010
	UL Marking on Cable	Yes
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory as per Governing Specification	Yes
	Test report number	120618
	Report date	18-06-2019
	Name and address of lab	Molex India Pvt.Ltd.
	All the test reports shall furnish to the buyer/consignee on demand	Yes

Corrigendum

1. 992465.pdf :[click here](#)
2. Extended Upto : 2021-02-10 14:00:00

Buyer added Bid Specific Additional Scope of Work

S.No	Document Title	Description	Applicable i.r.o. Items
1	INTEGRITY PACT View	Duly filled and signed should be uploaded along with bid	Firewall - NGFW(1)

Terms and Conditions

1. Special terms and conditions- Version:1 effective from 04-05-2020

1.1

Calculation of Minimum VAH based on Back up time

Minimum VAH requirements would be calculated on the basis of following:

(VAH Calculation: Battery Voltage x Battery Ah x No. of Batteries = VAH)

UPS Rating	15 Minutes	30 Minutes	60 Minutes	90 Minutes	120 Minutes	180 Minutes	240 Minutes
1 KVA	400 VAH	800 VAH	1600 VAH	2400 VAH	3200 VAH	4800 VAH	6400 VAH
2 KVA	800 VAH	1600 VAH	3200 VAH	4800 VAH	6400 VAH	9600 VAH	12800 VAH
3 KVA	1200 VAH	2400 VAH	4800 VAH	7200VAH	9600 VAH	14400 VAH	19200 VAH
5 KVA	2000 VAH	4000 VAH	8000 VAH	12000 VAH	16000 VAH	24000 VAH	32000 VAH
6 KVA	2400 VAH	4800 VAH	9600 VAH	14400 VAH	19200 VAH	28800 VAH	38400 VAH
7.5 KVA	3000 VAH	6000 VAH	12000 VAH	18000 VAH	24000 VAH	36000 VAH	48000 VAH
10 KVA	4000 VAH	8000 VAH	16000 VAH	24000 VAH	32000 VAH	48000 VAH	64000 VAH
15 KVA	6000 VAH	12000 VAH	24000 VAH	36000 VAH	48000 VAH	72000 VAH	96000 VAH
20 KVA	8000 VAH	16000 VAH	32000 VAH	48000 VAH	64000 VAH	96000 VAH	128000 VAH
30 KVA	12000 VAH	24000 VAH	48000 VAH	72000 VAH	96000 VAH	144000 VAH	192000 VAH
40 KVA	16000 VAH	32000 VAH	64000 VAH	96000 VAH	128000 VAH	192000 VAH	256000 VAH
60 KVA	24000 VAH	48000 VAH	96000 VAH	144000 VAH	192000 VAH	288000 VAH	384000 VAH
80 KVA	32000 VAH	64000 VAH	128000 VAH	192000 VAH	256000 VAH	384000 VAH	512000 VAH
100 KVA	40000 VAH	80000 VAH	160000 VAH	240000 VAH	320000 VAH	480000 VAH	640000 VAH

2. General Terms and Conditions-

2.1 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) as available on the GeM portal (unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2.2 Terms of delivery: Free Delivery at Site including loading/unloading. In respect of items requiring installation and / or commissioning and other services in the scope of supply (as indicated in respective product category specification / STC / ATC), and the cost of the same is also included in the Contract price.

2.2.1 Contracted goods should be delivered at the consignee or designated delivery location as per the working time of the buying organisation. Seller may get the same confirmed from consignee before scheduling delivery.

2.2.2 A copy of the contract should be available with the messenger / dispatching agency that delivers the Goods at consignee / delivery location (preferably pasted / attached outside the consignment / package) for easy reference and ease in delivery acceptance.

2.3 Delivery period: The Delivery Period/Time shall be essence of the Contract and delivery must be completed not later than such date(s). Any modification thereto shall be mutually agreed and incorporated in the Contract as per the provisions of the GTC.

2.4 Performance Security: If the Seller fails or neglects to observe or perform any of his obligations under the contract it shall be lawful for the Buyer to forfeit either in whole or in part, the Performance Security furnished by the Seller.

2.5 Taxes and Duties: Contract Prices are all inclusive i.e. including all taxes, duties, local levies / transportation / loading-unloading charges etc. Break up of GST shall be indicated by the Seller while raising invoice / bill on GeM. While submitting the bill / invoice Seller shall undertake that the Goods and Services Tax (GST) charged on this bill is not more than what is payable under the provision on the relevant Act or the Rules made there under and that the Goods on which GST has been charged have not been exempted under the GST Act or the Rules made there under and the charges on account of GST on these goods are correct under the provision of that Act or the rules made there under.

2.6 Octroi Duty and / or other local taxes: Contract Prices are all inclusive hence no reimbursement over and above the contract price(s) shall be allowed to seller towards payment of local taxes (such as levy of town duty, Octroi Duty, Terminal Tax and other levies of local bodies etc).

2.7 Limitation of Liability: The provisions of limitation of liability between Buyer and Seller as given in the GTC shall be applicable here.

2.8 Resolution of disputes: The provisions of DISPUTE RESOLUTION BETWEEN BUYER AND SELLER as given in the GTC shall be applicable here.

2.9 Liquidated Damages: If the Seller fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value without any controversy/dispute of any sort whatsoever. In case, Service Level Agreement (SLA) is applicable the same shall be applicable for the Contract.

2.10 Financial Certificate:

2.10.1 The expenditure involved for this purpose has received the Sanction of the competent financial authority.

2.10.2 The funds are available under the proper head in the sanction budget allotment for the concern financial year.

2.10.3 I have been fully authorized by the department to sign the supply order or incur the liability of the Goods being ordered.

2.11 The bidder should submit a self declaration to the effect in bidder's official letter head that their agency have not been black listed by any Agency whatsoever till date.

3. Additional Terms and conditions-

3.1 Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

3.2 Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

3.3 Nominated Inspection Agency: On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:

Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): NOT APPLICABLE

Post Receipt Inspection at consignee site before acceptance of stores: BY AUTHORIZED REPRESENTATIVE OF HOD(IT), HQ, BCCL

3.4 Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3.5 Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

3.6 Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

3.7 Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

3.8 Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

3.9 Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

3.10 Experience Criteria: The Bidder or its OEM (themselves or through reseller(s)) should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

3.11 IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

3.12 OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

3.13 Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope FIVE YEARS OF COMPREHENSIVE WARRANTY FOR ALL MATERIAL SUPPLIED. (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

3.14 OPTIONAL SITE VISIT:

1. The Bidder is advised to visit and examine the installation site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. The costs of visiting the site shall be borne by the Bidder. YES, SURVEY THE SITE BEFORE BIDDING TO UNDERSTAND THE SITE CONDITION AND INSTALLATION PROCEDURE.
2. The Bidder representative shall be allowed entry upon consignee premises for such visits, only upon the express conditions that the Bidder will release and indemnify the Buyer and Consignee against all liabilities arising out of such visit including death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such visit.
3. The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the bid.

3.15 Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

3.16 Scope of supply includes Training: Number of employees to be trained 10 , Place for Training AT BIDDERS TRAINING CENTER and Duration of training 2 days.

3.17 Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

3.18 The Bidder / OEM (themselves or through reseller(s)), should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

3.19 The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under: FIREWELL-FORTI GATE 601E, ACCESS POINT INDOOR (RUCKUS T301) AND OUTDOOR (RUCKUS R 610), WIRELESS CONTROLLER RUCKUS P01-S104-IN00.

3.20 The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: PROPOSED DIAGRAM TO BE UPLOADED ALONG WITH THE BID, IF ANYTHING EXTRA EG FIBER, CAT 6 PATCH CORD, LOADED FIBER PANEL, LIU, SWITCH BOARD. WIRES AND CABLES ETC REQUIRED FOR THE EXECUTION OF PROJECT SHALL BE BORN BY THE BIDDER. BCCL SHALL NOT BE LIABLE TO PAY ANY EXTRA CHARGES FOR THE SAME..

- 3.21 1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

3.22 Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

3.23 While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

3.24 Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.
