

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

QUESTIONS AND ANSWERS FOR RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

Initial questions are as follows:

QUESTIONS	ANSWERS
The size of the server room?	The data Centre room size is 12m2 area (3mX4m)
Length x Width x Height. for the Fire System	according to the RFB doc, the fire related system for protection against fire, are the following: • 9 KG Fire Extinguisher • Fire Suppressions • Fire proof door • Fire-resistant Windows • Fire suppression with 4Zone detection panel
Air condition model	Air-Condintioner (Carrier 42QDE-10H1/38QDE-15H1 Model) Air-Condintioner (TCL Split TAC-12CHSA/KCSYM Model) Cisco Catalyst 2960-S Series PoE+ 10G APC Smart-UPS SRT 5000VA Supermicro Server Model X10SLM-F
Items requested to be specified	Below are the items on the bill of material that service providers asked clarity as well. - Dedicated earth bar for server room size - (Height) 485mm(L) x 90mm(W) x 60mm (H) 10 Ways - Skirting covers p/m – 18mm will be perfect size and the data centre room size is 12m2 area (3mX4m) - 12Way DB wired – Surface Mount
Recording	RFB 2621-22 for Lepelle-Nkumpi Local Municipality-20220817 120358-Meeting Recording.mp4
The Fire-resistant Windows size is	L (288cm) x B (105cm)

The items from in the DR site (from 3.1 until 3.5)- Summary below, these are the items that were not specific and service providers asked the clarity on.

LEPELLE-NKUMPI DR DATACENTRE

Air-Condintioner (Carrier 42QDE-10H1/38QDE-15H1 Model) Air-Condintioner (TCL Split TAC-12CHSA/KCSYM Model) Cisco Catalyst 2960-S Series PoE+ 10G APC Smart-UPS SRT 5000VA Supermicro Server Model X10SLM-F

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

Below are the items on the bill of material that we didn't specify the sizes, and that's what service providers asked clarity as well.

- Dedicated earth bar for server room size - (Height) 485mm(L) x 90mm(W) x 60mm (H) 10 Ways
- Skirting covers p/m – 18mm will be perfect size and the data centre room size is 12m2 area (3mX4m)

The following questions were also asked

OEM	Product	Features/Technical Specifications	Quantity	Question
Non-Brand	Raised floor (facility cable management and airflow control)	200mm Raised flooring interlock system w/tile lifter p/m2	12	Will the door be opening inward/outward? inward
Non-Brand	Cable tray (under raised floor)	200mm cable tray p/m	15	
Non-Brand	Fire suppression	Fire Panel with 4Zone detection panel	1	- We assume the requirement is for the total detection and suppression room... Not just a Panel. - Panel, Detectors, Gas Suppression etc. yes
Non-Brand	Fire extinguisher	9Kg Fire extinguisher	2	
Non-Brand	Biometric Access Control	Biometric Access Control with maglock and door closer	1	- Will the system work as "Standalone" or as part of the network? standalone - Do we install a reader to enter the room and a "No Touch" Exit button to exit? Yes

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY
WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
Non-Brand	Fire proof door	Fire proof door	2	Will both doors be installed in the one room? The room has one door entrance and but report shows two, it should be one 1 door not 2
Non-Brand	Network points	CAT6 - network points with flash mount	10	Will these be installed within the existing Skirting? On newly installed skirting (PVC) preferably, old skirting is not on good condition and opened with cables laying out
Non-Brand	10Way PDU	Cable: IEC 1.8m Size: 1.5U Material: Aluminium Shell Voltage: 220V-250V 50Hz-60Hz Maximum Current: 16A Mounting: Vertical Mounting in Network Cabinet Dimensions: 710 x 65 x 50mm	2	Two PDU's are requested but only one plug is requested below Report shows that only 1 pug is required. According to your experience, do number of PDUs matches number of plugs?
Non-Brand	32A industrial 3pin plug and socket (Caravan Plug)	Pins: 3 Voltage: 230V AC Amperage: 32A IP rating: IP44	1	Two PDU's are requested but only one plug is requested below Report shows that only 1 pug is required. According to your experience, do number of PDUs matches number of plugs?
Non-Brand	Dedicated earth bar for server room	Single point grounding system	1	Will we need to install the Earth peg outside the building and do cabling to the room with pipe routes etc?

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY
WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
Non-Brand	16A power points	16A dedicated power points	5	Will these be installed within the existing Skirting? On the newly installed skirting because currently is opened skirting on the floor. The installed floor cable tray and EGA trunking behind the rack is a tripping hazard concern
Non-Brand	Skirting covers	Water Proof Skirting covers p/m	15	- Skirting Covers aren't waterproof, it only provides physical protection for cabling within the trunking – its fine even if it doesn't provide waterproof. - Please confirm if this is Metal trunking or PVC trunking – either one of them but PVC will be much better
Non-Brand	Distribution Board (DB)	12Way Distribution Board (DB) wired	1	What is the distance from the building's main DB to the room? Will we need to install a Feed Cable from Main DB to the Room or is this already in place? Already there's existing DB in the server room but preferably to add a structured electrical network in the facility with a distribution board and adequate 32A plugs additional 16A sockets

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
				to meet the required power consumption
Non-Brand	2U blanking plates	2U Blanking plate 483mm(W)x 89mm(H) – size to be measured for confirmation	10	
Non-Brand	Fire-resistant Windows	Cover windows with moisture resistant and fire proof board	1	Please confirm amount and dimensions of windows L (288cm) x B (105cm)
Non-Brand	CRAC (Computer Room Air-conditioner) unit – down blower	10.3kW DX Air Conditioning CRAC Units	2	- Please confirm if these are the existing AC units that need to be maintained and supported? - Please confirm the model and service history of these units. These will need to be new Units, there are no existing units
Non-Brand	Uninterruptible Power Supply (UPS) -	Smart-UPS 10kVA/10kW On-Line, Rackmount 6U, 230V/400V, 6x C13+4x C19 IEC outlets, Network Card + Smart Slot, Extended runtime, Rail kit included	1	Smart-UPS is an APC by Schneider product, may we quote on another brand? Yes do quote on other brand
Non-Brand	Environmental Rack 43U Cabinet with GSM module via SMS/Email	43U cabinet with Climate control	1	Environmental monitoring, can be installed to monitor the whole environment, not

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY
WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
	(water, fire, temperature, humidity, door control)	- Environmental monitoring - GSM-based system that will link to all cabinet facilities and alert via text or email. - Couple this with the PDU and UPS. - SNMPTCP/IP web-based system to complete full monitoring. - Up to 5-day built-in UPS. - Alert on UPS, smoke, power, access, water leak, remote control of doors, emergency cooling. - Also monitors the environment outside the cabinet. - Biometric access control with remote control (GSM) - Automated fire protection including; - Fire Suppression -		only the Rack, will this suffice? Yes it will be - The Room has already got Access Control, why do you require access control on the Rack again? The EnviroRack usually comes with its own access control for the rack not for the room, its integrated with in the rack - The Room has already got a Fire System, why do you require a Fire System on the Rack again? The EnviroRack usually comes with its own fire system monitoring for the rack not for the room, its integrated with in the rack - A UPS has already been specified, why do you specify it as part of the Rack again? The EnviroRack usually comes with its own integrated UPS for the rack not for the room, its integrated with in the rack

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY
WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
		Double knock release system aerosol or gas - Backup power – Integrated UPS - Unique design UPS with built in/removable bypass and DB combination - Full SNMP / GSM / AS400 modules - Standard and extended battery backup		
Non-Brand	CCTV Camera 4 Channel System	All in one system-DIY 4 Channel AHD kit with 1.3MP, 16" LCD screen & 500GB Hard drive Systems contains the follow: 1x 4 channel H.264 AHD DVR 4x 720p digital Cameras 4x 18m BNC to BNC Cable 1x Power Supply Adaptor 1x 1 to 4 Power Splitter Cable 1x USB Mouse 1x Operating Manual 1 x Ecco 16" LCD monitor	1	You have specified an analogue system, may we propose a newer IP System that will provide the same/better functionality? Yes please quote on the better

OEM	Product	Features/Technical Specifications	Quantity	Question
		1 x 500GB Hard drive 1 x 1.5M HDMI cable Specs - CCTV System 4 Channel H.264 HD-DVR Kit - With 4 pcs 720P cameras and 4x 18m cables - Support mobile phone remote viewing Day/Night waterproof camera's Motion detection - Real hexaplex operation - simultaneous record, playback, mobile phone live view, backup, control & remote access. -Support 720P real-time record Motion detection - Video: 4ch 1080P @25fps Recording 4 x1080P @25fps Playback 4ch Audio in/ 1ch Audio out LCD Screen - Aspect Ratio 4:3		

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
		- Resolution 1024x768 - RF, HDMI, PC AUDIO, VGA, VIDEO, L/R AUDIO, USB AC100 - 240W - Consumption: 35W 490x97x355mm (LxWxH)		
		Supply the 36 months contract maintenance and support service that shall cover the following: a) Only supply maintenance contract for existing 2 x Air-Conditioners b) Maintenance and support of the server room c) Maintenance and support of the network hardware of the municipality's ICT infrastructure d) Replacement of the network equipment's or hardware as and when the need arises	36 Months	a) Please confirm if the Maintenance on the AC units are for the units specified above? Please confirm the model and service history of these units. 2 X TCL Inverter 12000BTU Air-Con, and b) Is this for SUPPLIED/INSTALLED equipment and material only or all equipment that forms part of the Municipality's ICT environment? If support is required on equipment that has not been installed by us, please provide a list of equipment and its service history. This will be for newly

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
				installed/supplied equipment c) If support is required on equipment that has not been installed by us, please provide a list of equipment and its service history. This will be for newly installed/supplied equipments

Disaster Recovery Office:

		PRODUCT OR SERVICE TECHNICAL REQUIREMENTS The bidder proposed solution must meet the following requirements for <u>Local Disaster Recovery Office</u>: Only Supply the 36 months contract maintenance and support service that shall cover the following: a) Maintenance and support of the server room b) Maintenance and support of the network hardware of the municipality's ICT infrastructure	36 Months	If support is required on equipment that has not been installed by us, please provide a list of equipment and its service history. 1 x Air-Conditioner (Carrier 42QDE-10H1/38QDE-15H1 Model) 1 x Air-Conditioner (TCL Split TAC-12CHSA/KCSYM Model) 1 x Cisco Catalyst 2960-S Series PoE+ 10G Switch
--	--	---	-----------	---

RFB 2621-2022: REQUEST FOR ICT SERVER ROOM UPGRADE FOR LEPELLE-NKUMPI LOCAL MUNICIPALITY WITH THREE (3) YEARS MAINTENANCE AND SUPPORT.

OEM	Product	Features/Technical Specifications	Quantity	Question
		Replacement of the network equipment's or hardware as and when the need arises		1 x APC Smart-UPS SRT 5000VA 1 x Supermicro Server Model X10SLM-F

1.7	CAT6 network points with – flash mount	CAT6 - network points with flash mount
1.8	10Way PDU	Cable: IEC 1.8m Size: 1.5U Material: Aluminium Shell Voltage: 220V-250V 50Hz-60Hz Maximum Current: 16A Mounting: Vertical Mounting in Network Cabinet Dimensions: 710 x 65 x 50mm
1.9	32A industrial 3pin plug and socket (Caravan Plug)	Pins: 3 Voltage: 230V AC Amperage: 32A IP rating: IP44
1.10	Dedicated earth bar for server room	WHAT SIZE?? (Height) 485mm(L) x 90mm(W) x 60mm (H) 10 Ways
1.11	16A dedicated power point	What type of application 4x4 or on skirting? Recommendation shows to add a structured electrical network in the facility with a distribution board (12Way DB Wired) and adequate 32A industrial 3pin plug and socket (Caravan plug) and additional 16A sockets to meet the required power consumption
1.12	Skirting covers p/m	What size skirting? 18mm will be perfect and the data centre room size is 12m2 area (3mX4m)
1.13	12Way DB wired	Surface mount? YES, Surface mount because it's an existing completed building
1.14	2U blanking plates	ok

And then, do you perhaps have any as built drawings for this enclosure? I have looked through the documents and can't seem to find anything – **there are no current built drawings unfortunately, client confirmed.** They only state suppression for the server room.

The suppression areas agent is calculated on the volume of the enclosure. We also need to know if there are any ceiling voids – according to the client, currently from the roof there they have put some sort of burglar in between the ceiling level and roof for security purposes in case maybe one can want to enter from the roof into the server room and client confirmed that from the server room roof, is plastered with cement, how many entrances to the enclosure as well as if any shutdowns or 3rd party equipment will be used to monitor the system – its only one door to the server room and the server room size is 12m² (3mx4m) area.

The size of the server room? - The data centre room size is 12m²-square meter area (3mX4m)

Length x Width x Height. for the Fire System – according to the RFB doc, the fire related system for protection against fire, are the following:

- 9 KG Fire Extinguisher
- Fire Suppressions
- Fire proof door
- Fire-resistant Windows
- Fire suppression with 4Zone detection panel