

RESPONSE TO QUERIES RAISED BY VARIOUS VENDORS AGAINST TENDER FOR SUPPLY AND INSTALLATION OF EQUIPMENT (NETWORK EQUIPMENT & RELATED PERIPHERALS)

Vendor	Product/Subject	Page Number	Point Number	Existing Technical Specification	Request	Justification from IIT Dharwad	Remarks from Committee	Status
M/s Molex	CAT 6 UTP LSZH CABLE REEL	22	3	Shall be 4-pair Unshielded twisted pair with a cross filler/ isolator (+), meeting Category 6 tested to 500 MHz or more (4 connector test report from Intertek to be submitted with Bid).	We recommend CAT6 UTP LSZH IEC 60332-1 OR IEC-60332-3 cable tested to 600 MHZ or more with 4 connector Intertek Test report to be submitted with Bid	IEC 60332-1 is a small-scale test where a single cable is used at 1kW Bunsen burner mounted 45 degree to vertical ignition source. IEC 60332-3 is tested for a bunch of cable tested for 20.5kW ignition source.	No changes are required in the original technical specifications of the tender	No change in technical specification
			9	Shall be Fire-Retardant, Low-Smoke & Zero-Halogen as per IEC 60332-3-22, IEC 61034-2 & IEC 60754-2 respectively	We recommend CAT6 UTP LSZH IEC 60332-1 OR IEC-60332-3 cable tested to 600 MHZ or more with 4 connector Intertek Test report to be submitted with Bid	IEC 60332-1 is a small-scale test where a single cable is used at 1kW Bunsen burner mounted 45deg to vertical ignition source. IEC 60332-3 is tested for a bunch of cable tested for 20.5kW ignition source.	No changes are required in the original technical specifications of the tender	No change in technical specification
	6 CORES - MM - OM3. LSZH SHEATH. INDOOR/OUTDOOR FIBER CABLE	24	VI. 8	b) Flame Test Method: IEC 60332-3, IEC 60754-2 & IEC 61034-2	b) Flame Test Method: IEC 60332-1 OR IEC 60332-3	IEC 60332-1 is a small-scale test where a single cable is used at 1kW Bunsen burner mounted 45deg to vertical ignition source. IEC 60332-3 is tested for a bunch of cable tested for 20.5kW ignition source.	No changes are required in the original technical specifications of the tender	No change in technical specification
	6 Core Fiber Outdoor Armored SM cable, OS2	26	IX. 16	HDPE outer jacket. HDPE jacket shall be type tested as per IEC 60332-3 for vertical flame spread.	HDPE outer jacket. HDPE jacket shall be type tested as per IEC 60332-1 OR IEC 60332-3 for vertical flame spread.	IEC 60332-1 is a small-scale test where a single cable is used at 1kW Bunsen burner mounted 45deg to vertical ignition source. IEC 60332-3 is tested for a bunch of cable tested for 20.5kW ignition source.	No changes are required in the original technical specifications of the tender	No change in technical specification
	OEM Criteria - Passive Components	4	g	OEM should be a member of Global Telecommunications Industry Association (TIA) Information and Communications Technology (ICT) Companies ICT Green Initiative to support energy efficient environment	To be deleted, Justification: Standards of TR-42.1, TR42.7 & TR42.12 From TIA talks about the Technical aspects of Cabling, which makes it mandatory to qualify, These are a part of the tender..... However, This spec of Green initiative to support energy efficient environment has nothing to do with Cabling practices.. There are other standards from ISO 14001 & 9001 which talks about the best practices to reduce industrial waste & environmental damage which every OEM has to qualify . Hence request you to relax this spec .	This gives a industry and technology leadership to prove all solutioning components are maintained for green initiative to support energy efficient environment.	No changes are required in the original technical specifications of the tender	No change in technical specification
Distribution Switch		18	1.7	Switch Should support at least 20 x100/1000X SFP port with min 8 x10/100/1000T ports. Min 4 x 10 G Based SFP+ port should be ready from day 1. The switch should be scalable to min 2 x QSFP+ ports for future requirement. The switch should have min 40 gbps stacking bandwidth and the stacking could be achieved over geographically diversified location as min over 2 Kilometers.	Switch Should support at least 20 x100/1000X SFP port with min 8 x 100/1000T ports. Min 4 x 10 G Based SFP+ port should be ready from day 1. The switch should have dedicated stacking port .	As per the solution requirement IITDh has just requested minimum 2 x QSFP+ ports, they are for future expansion of connectivity, not for the purpose of stacking 2x40G ports from day 1.	No changes are required in the original technical specifications of the tender	No change in technical specification
			2.3	MAC:- 88K or more	MAC:- 64K or more	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification
			19	7.3	Operating temperature: 0°C to 50°	COperating temperature: -5°C to 40°C	These are bare minimum specifications requested.Please give equal to or better.	It can be accepted..! "Operating temperature: 0°C to 40° or better" is fine. Changes required accordingly in the original technical specifications of the tender

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M/s Cisco, M/s Citoinfotech, M/s Intecinonet	8 Port Access Switch	20	1.6	switch should support at least 8x10/100/1000BaseT, 2x1G SFP, POE+ 120W PoE Budget should be available from day 1.	Privision for 10G uplink for future is recomended. Switch should support at least 2 X1G/10G SFP	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification
			2.1	minimum 35 Gbps or more switching bandwidth	minimum 20 Gbps or more switching bandwidth	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification
		20	2.1	minimum 35 Gbps or more switching bandwidth	minimum 26 Mpps or more	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification
			3.4	IP Multicast (s, v, g) entries: 1500	IP Multicast (s, v, g) entries: 1024 or more	It can be accepted..! "IP Multicast (s, v, g) entries: 1024 or more" is fine	It can be accepted..! "IP Multicast (s, v, g) entries: 1024 or more" is fine. Changes required accordingly in the original technical specifications of the tender	Accepted
		21	5.4	The switch should support SNMP	VThe switch should support SNMP V2c and V3	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification
			6.1	IEEE 802.1ad, 802.1ba	Switch should support IEEE 802.1ab,IEEE 802.3ab ,IEEE 802.3az,IEEE 802.3u,IEEE ,IEEE 802.1Q,IEEE 802.3ad	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification
			6.3	Operating temperature: 0° C to 40°	Coperating temperature: 0° C to 50° C	These are bare minimum specifications requested.Please give equal to or better.	It can be accepted..! "Operating temperature: 0° C to 40° or better" is fine. Changes required accordingly in the original technical specifications of the tender	Accepted
		M/s Citoinfotech	Section - I: Invitation of the Bids & Submission Procedure details	2	5	The bidder shall ensure that the bid submitted by him includes all accessories (as per annexures) for full execution of contract. The bidder shall not charge extra for additional items required to meet the operational requirement at the stage of installation and commissioning.	Pls help with nature of works to carried out like "All digging like soft soil/ hard soil, laying the cable, drilling on wall etc works Laying of OFC cable, laying of HDPE pipe, GI pipe"	The terminology "installation and commissioning" predominantly focusing on active components & 18U Wall Mount Rack (Integrated A/C) with Accessories. Labour tasks are going to be carried out under a separate tender enquiry. It will be updated in the institute website soon.
M/s Unicomp	Technical specifications of the Network Equipment's & Related Peripherals	18-25		Annexure-1	Kindly consider revision in Technical Specs to enable atleast 3 major OEM brands to participate.	This feature is required for the item to align with institute's existing network infrastructure. Therefore, specified technical features are very important and they should be strictly followed.	No changes are required in the original technical specifications of the tender	No change in technical specification

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M/s ALE	Distribution Switch	19	7.4	All the Switches and Transceivers should be from the same OEM. The OEM should be Leaders in latest Gartner Magic Quadrant for wired and wireless segment. The OEM should have not only TAC centre in India, but also 24x7 TAC support with Indian Toll free number - reflected in official website/documents. OEM must provide active support contract for all hardware, software updates and upgrade free of cost for warranty period i.e. of 3 years	To be Changed as Gartner Leader Quadrant to Gartner Quadrant	Gartner has rated every vendor based on their technology, solution and scalability. If someone in leaders quadrant means there must be points by which they are able to reach to leaders quadrant. The Gartner Magic Quadrant is a first step towards understanding what agencies, digital service providers and their associated technologies do. This criteria helps to understand their strategic visions and roadmaps – and their ability to execute on specific needs	No changes are required in the original technical specifications of the tender	No change in technical specification	
	9U Rack/12U Rack/15U Rack	28	1	600mmW x 500mmD	Ideally the depth of the wall mounts should be Universal 600mm depth to mount L2 switches and good space for cabling in the front side of the rack .	It can be accepted..! 600mm Racks can also be quoted is fine. Hence Size 600mm W x 500mm or 600mm D	It can be accepted..! 600mm Racks can also be quoted is fine. Hence Size 600mm W x 500mm or 600mm D	Accepted	
			2	Enclosures in sturdy CRCA sheet steel construction consisting of a 1.5mm sheet steel frame folded from one piece and welded, with All-round protective channel on the door aperture, rear side screw fixed panel with holes for wall mounting brackets. With 1 pair of 19" Mounting angles mounted in the front Provision for cable entry.	Universally wall mount are made with a combination of 1.2mm and 1mm thickness. What is more important in a wall mount is it should be lighter as it is mounted on the wall and Also it should carry load capacity upto 50 kgs	1.5 mm thick sheet steel minimum required for folded frame material. Load Bearing Capacity should be 50Kgs".	1.5 mm thick sheet steel minimum required for folded frame material. Load Bearing Capacity should be 50Kgs". Changes required accordingly in the original technical specifications of the tender	Accepted	
			4	Rear Panel of 1.5mm sheet thickness	Since it is wall mounted rear cover is not required however if there is a functional requirement it can be provided.	Rear Panel is required.	No changes are required in the original technical specifications of the tender	No change in technical specification	
			6	Fan: 230 V AC Fan,90Cfm with 1 meter long Cable Captive Hardware: Pack of 20 Cantilever Shelf occupying not more than 1U PDU: 19' Mountable with 6x 5A Universal socket and 2 meter Power cord.	Canopies to cover the fans are required if the racks are mounted inside the premises. But in a non air contained area, Canopy will ensure that no substance is fallen on the fans directly from the top side.	Canopy is not a mandatory requirement for Indoor racks.	No changes are required in the original technical specifications of the tender	No change in technical specification	
	M/s Benchmark		28	1	600mm W x 900mm (18U) H	Pls specify the depth of the racks 28	"600mm". Changes required accordingly in the original technical specifications of the tender	Changes required accordingly in the original technical specifications of the tender	Accepted
				2	Enclosures in sturdy sheet steel construction consisting of a 1.5mm sheet steel frame folded from one piece and welded, with All-round protective channel on the door aperture, rear side screw fixed panel with holes for wall mounting brackets. With 19" Mounting angles mounted in the front and rear, Cut- out with foam insert at bottom of the Enclosure for cable entry purpose and top cut-out with cover plate. Sides with LH/RH cut-out for Cooling Unit	Frame structure should be rigid as it should hold the weight of the zircon hence recommended to have 2mm thickness.	2mm thick sheet steel can be proposed for Frame materials. However minimum1.5mm is required.	Changes required accordingly in the original technical specifications of the tender	Accepted
				4	Rear Panel of 1.5mm sheet thickness screw fixed	Rear door with gaskets lock and key is recommended for maintenance.	Since the Racks are to be Wallmounted, Rear door is not required. Only rear panel is required.	No changes are required in the original technical specifications of the tender	No change in technical specification

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	18U Rack with Integrated AC	29	11	Total cooling output to DIN EN 14511at 35Deg C RAT and 35Deg Ambient is to be 0.85 kW and should be operational up to 50Deg C Ambient Temperature with a capacity reduction of maximum 0.18 KW	Cooling load to be specified as per the heat load .	PFB Table	Changes required accordingly in the original technical specifications of the tender	Accepted	
14			Width: 280 mm. Height: 550 mm, Depth: 280 mm	It is recommended to have a stand below the ac unit for distribution of load on the floor else the entire load will be on the rack side panel .	Stand is not a mandatory requirement. It can be offered depending on the solution	No changes are required in the original technical specifications of the tender	No change in technical specification		
22			Wall mount	Provision for bottom mount Aircon to be suggested which is easy for wall mounting . Side mount aircon will be huge for wall mounting and wall can't take the load and need to have load balancers.	Installation should be Wallmount.	No changes are required in the original technical specifications of the tender	No change in technical specification		
11			Total cooling output to DIN EN 14511at 35°C RAT and 35°C Ambient is to be 0.85 kW and should be operational up to 50°C Ambient temperatures with a capacity reduction of maximum 0.18 KW. Cooling unit should be capable enough to keep proposed distribution switch (And couple of access switches, in case of future expansion of connectivity).						
			Details of Minimum/Maximum Heat Dissipation w.r.t. proposed network switches		Item	Minimum Heat Dissipation (BTU/HR)	Maximum Heat Dissipation (BTU/HR)		
		Distribution Switch	229	427					
		Access Switch	121	410					

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Vendor	Existing Clause in tender document	Clarification/Request for change	Response of IIT Dharwad
M/s AIPL	<p>Income tax returns (ITRs) for "last three consecutive financial years" Copy of Income tax returns for last three consecutive financial years (period from 2016-17, 2017-18 and 2018-19).</p>	<p>Kindly modify / add the clause so that Startup can "also participate:- "For Startup bidders" Income tax returns (ITRs) for last two consecutive financial years Copy of Income tax returns for last two "consecutive financial years (period from 2017-18 and 2018-19 or 2018-19-2019-20)."</p>	Accepted
	<p>Previous experience & copy of performance certificates along with Purchase Orders Copy of at-least one purchase order of successful execution of supply and installation of Network Equipment & Related Peripherals to IITs/ NITs/IISc/ IISERs/ Central Universities/IIM's/ Laboratories or other Institutes of national importance.</p>	<p>We have supplied Network Equipment (only Active Components) to various IITs. Kindly confirm we can participate in this only. If not, kindly modify or give relaxation to companies registered as STARTUP this clause this as under:- "For Startup bidders" Previous experience & copy of performance certificates along with Purchase Orders Copy of at-least one purchase order of successful execution of supply and installation of Network Equipment (Active Component/ Network Equipment & Related Peripherals to IITs/ NITs/IISc/IISERs/Central Universities /IIM's/ Laboratories or other Institutes of national importance.</p>	Accepted
	<p>FOR PASSIVE COMPONENTS Previous experience & copy of performance certificates along with Purchase Orders Copy of at-least one purchase order of successful execution of supply and installation of Network Equipment & Related Peripherals to IITs/ NITs/IISc/ IISERs/ Central Universities/IIM's/ Laboratories or other Institutes of national importance.</p>	<p>We have supplied Network Equipment (only "Active Components) to various IITs. Kindly confirm we can participate in this only. If not," kindly modify or give relaxation to companies registered as STARTUP this clause this as under:- "For Startup bidders" Previous experience & copy of performance certificates along with Purchase Orders Copy of at-least one purchase order of successful execution of supply and installation of Network Equipment (Active Component/ Network Equipment & Related Peripherals to IITs/ NITs/IISc/IISERs/Central Universities /IIM's/ Laboratories or other Institutes of national importance.</p>	Accepted