

INDIAN INSTITUTE OF TECHNOLOGY PATNA

(Store & Purchase Section)

Corrigendum-III

Date: 01.12.2020

Subject: Notice Inviting Tender (NIT) for **Comprehensive Annual Maintenance Contract (CAMC) of Network Devices along with Configuration Support of all the feature/ module of each network device and related electrical equipment** to IIT Patna.

Tender Reference No.: **IITP/S&P/EPR/9/CC-61/2020-21, Dated: 13.11.2020.**

Tender ID: **2020_IITP_596893_1.**

Reference pre-bid meeting held on 23.11.2020 at IIT Patna for tender queries no Clarification_7116.pdf Dated: 19.11.2020, the queries and its clarifications are shown in below table:

From Vendor Side						From IITP Side Reply
S. No	Page No	point no	specification	Request for Amend	Justification	Clarifications
1	Page-21 , Special Purchase Condition	Point no-2	Bidder should have the experience of relevant scope of work as in this tender in premiere institutions of national importance like IITs	Consider for central/state govt. PO		National importance institute/ organizations like IITs, NITs, IISER etc.
2	Page-21 , Special Purchase Condition	Point no-3	Vendor should be ISO 9001:2015, ISO 20000:2005 and ISO 27001:2013 certified	Amend for ISO 9001:2015 only others would be as optional	ISO 9001:2015 is sufficient and more vendor will qualify	No change
3	Page-21 , Special Purchase Condition	Point no-9	vendor should be a gold partner of the OEM	Remove Gold Partner	Bidder have to take MAF from concern OEM. Hence OEM will only provide MAF to qualified partner & Intrested/active bidder	Local partner may participate, they have to produce MAF and contract copy (showing serial number of devices and the covered warranty) from OEM

4	Page-21 , Special Purchase Condition	Point no- 19	The cost of maintenance support should not exceed 70% of the total bid value.			No change
5	Annexure VI	Point 2 &3	seems both are same	remove one point		Agree
6	Annexure 1A	Point-2 (Scope Of work)	Bidder/Vendor has to provide a standby - Access switch,AP, UPS			The standby equipment will be the property of bidder after AMC duration
7	Page-21 , Special Purchase Condition	Point no-8	CCIE certifications should be in Routing and Switching, Security, Voice and Wireless.	Remove or put as optional	Bidder is providing MAF from Cisco, deploying certified technical persons to meet SLA and all warranty are back to back from OEM.	No change
8	Cisco & UPS			Provide Serial No for all Cisco devices & UPS	Its mandatory to get commercial from Cisco & Concern OEM	For CISCO equipment you may correspondence at gsumra@cisco.com and for UPS serial number, see Annexure-I(d) of this corrigendum
9	Passive Items			Provide details & make of passive items		The existing passive components like OFC, UTP, OFC patch cord, IO Ports, Jack panel etc. are R&M make. For Structured Cabling Standards see Annexure (d) of this corrigendum

Annexure-I(d)

S. No	Serial Number	Model /Make	Power in VA/KVA	Online/Offline	Type of Input / Output (Single/Three Phase)		No of batteries, associated With UPS			HA Status
					Input	Output	No of Batteries	Power	Make	
1	IV141209920	Numeric	20KVA	Online	3 Phase	Single Phase	48	100 AH	Exide	Yes
2	IV141209921	Numeric	20KVA	Online	3 Phase	Single Phase	48	100 AH	Exide	
3	IV141209918	Numeric	15KVA	Online	3 Phase	Single Phase	48	28 AH	Exide	No
4	IV141209932	Numeric	5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	Yes
5	IV141209933	Numeric	5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	
6	IV141209919	Numeric	20 KVA	Online	3 Phase	Single Phase	24	75 AH	Exide	No
7	IV141209905	Numeric	3 KVA	Online	Single Phase	Single Phase	6	65 AH	Exide	Yes
8	IV141209906	Numeric	3 KVA	Online	Single Phase	Single Phase	6	65 AH	Exide	
9	IV141209929	Numeric	7.5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	No
10	IV141209934	Numeric	5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	Yes
11	IV141209935	Numeric	5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	
12	IV141209928	Numeric	10 KVA	Online	3 Phase	Single Phase	24	42 AH	Quanta	No
13	IV141209903	Numeric	3 KVA	Online	Single Phase	Single Phase	6	65 AH	Exide	Yes
14	IV141209904	Numeric	3 KVA	Online	Single Phase	Single Phase	6	65 AH	Exide	
15	B21450001096	APC	5 KVA	Online	Single Phase	Single Phase	20	26 AH	Exide	No
16	IV141209930	Numeric	5 KVA	Online	Single Phase	Single Phase	20	26 AH	Exide	No
17	IV141209913	Numeric	5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	Yes
18	IV141209914	Numeric	5 KVA	Online	Single Phase	Single Phase	20	42 AH	Quanta	
19	IV141209907	Numeric	3 KVA	Online	Single Phase	Single Phase	6	42 AH	Exide	No
20	IV141209924	Numeric	1 KVA	Online	Single Phase	Single Phase	3	28 AH	Exide	No
21	IV141209925	Numeric	1 KVA	Online	Single Phase	Single Phase	3	28 AH	Exide	No
22	IV141209923	Numeric	1 KVA	Online	Single Phase	Single Phase	3	28 AH	Exide	No

23	IV141209922	Numeric	1 KVA	Online	Single Phase	Single Phase	3	28 AH	Exide	No
24	II150100593	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
25	II150100682	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
26	BB0742000822	APC	1 KVA	Offline	Single Phase	Single Phase	2	7 AH	Exide	No
27	II150100658	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
28	JB0447028405	APC	1 KVA	Offline	Single Phase	Single Phase	2	7 AH	Exide	No
29	II150100635	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
30	II150100634	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
31	EB1153003107	APC	1 KVA	Offline	Single Phase	Single Phase	2	7 AH	Exide	No
32	II150100602	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
33	II150100632	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
34	S1500254	Tritronics	7.5 VA	Offline	Single Phase	Single Phase	2	42 AH	Exide	No
35	II150100594	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Exide	No
36	II150100617	Numeric	800 VA	Offline	Single Phase	Single Phase	1	42 AH	Quanta	No

Annexure (d)

**Passive Components:
Structured Cabling Standards**

- TIA/EIA-568-C.2 and ISO/IEC 11801 standards - Commercial Building Telecommunications Cabling Standards (latest revision)
- TIA/EIA-569 Commercial Building Standard for Telecommunications Pathways and Spaces
- TIA/EIA-568C.3 Optical Fiber Cabling Components Standard.
- TIA/EIA-607 Grounding and Bonding.
- TIA/EIA-598-B Optical Fiber Color Coding.
- TIA/EIA-604.2, FOCIS 2-Fiber Optic Connector Intermateability Standard.
- TIA/EIA-568-C.1-4 Commercial Building Telecommunications Cabling Standard, Part 1: General Requirements, Addendum 4-Additional Media20 Recognition of Category 6 and 850 nm Laser-optimized 50/125 um Multimode Optical Fiber Cabling.
- TIA/EIA-568C.2.1 Optical Fiber Cabling Components Standard. Addendum Additional Transmission Performance Specification for 50/125 um Optical Fiber Cables.

LC to LC Patch Cord SM:

S.No.	Specifications	Requirement
1	Type	LC to LC Duplex Fiber Optic Patch Cords 3m 9/ 125 micron
2	Cable Sheath	LSZH

3	Cable Diameter	1.8 mm mini twin zip
4	Ferrule	Ceramic
5	Buffer	.6 mm
6	Return Loss	> 45 db
7	Insertion Loss	.1 db Typical Max .3 db
8	ROHS	ROHS/ELV Compliant

6/12 -core, Single mode Armoured:

Sr No.	Cable Type	Requirement
1	6/12 Fiber Optic outdoor armored cable Single mode (SM)	<p>6/12 -core, Single mode Armoured Fiber cable, 9/125, ITU-T 652.D (Zero WaterPeak), Compliance Cable Construction BELLCORE GR 20 / IEC 794-1</p> <p>Attenuation @1310nm <= 0.34 dB/Km @1550nm <= 0.22 dB/Km</p> <p>Coating / Cladding <= 9 microns Chromatic Dispersion @ 1310 nm ≤ 3.5 ps/nm x km and @ 1550 nm ≤ 18 ps/nm x km</p> <p>Tensile rating 1250N Maximum resistance Crush 3000N Operating Temperature -20 Degree C to +70 Degree C,Armor Corrugated Steel tape Armor, HDPEOuter Jacket, Aramid yarn as a strength member Gel filled Loose Tube, minimum installation bend radius- 200mm, Fiber Core should be Silica Glass or equivalent- Fiber Core, standard factory of cable drum, RoHS compliant,IEC 60332-1, Core should be Silica Glass orequivalent.</p>

24/48 Core Single mode Outdoor Fiber:

S. No.	Cable Type	Requirement
1	Fiber Optic outdoor Armoured cable Single mode (SM)	<p>24/48 -core, Single mode Armoured Fiber cable, 9/ 125, ITU-T 652.D(Zero Water Peak),ComplianceCable Construction BELLCORE GR 20 / IEC 794-1Attenuation @1310nm <= 0.34 dB/Km@1550nm <= 0.22 dB/Km</p> <p>Coating / Cladding <= 9 microns non-circularity Zero DispersionSlope <= 0.086 ps / sqnm-km Max (chromatic) <5.3 ps/nm- km@1270-1340 nm <3.5 ps/nm-km @1285-1330 nm <185 ps/nm-km @1550 nmTensile rating 1250NMaximum resistance Crush 3000NOperating Temperature -20 Degree C to +70 Degree C,Armor Corrugated Steel tape Armor, Rip Cord, Color Black Outerjacket HDPE. Aramid yarn as a strength member Gel filled LooseTube, minimum installation bend radius- 200mm, Fiber Coeshould be Silica Glass or equivalent- Fiber Core, standard factoryof cable drum, RoHS compliant, IEC 60332 Parts 1 and 3, IEC 61034 Parts 1 and 2, IEC 6075 Parts 1 and 2, NES 713 Coeshould be Silica Glass or equivalent.</p>

Copper cables:

S.No	Cable Type	Requirement
1	Copper UTP Cat-6	<ul style="list-style-type: none"> Should exceed all TIA/EIA-568-C.2-1

	Cable	<p>Category 6 cable performance requirements for frequency up to 250MHz to 500 MHz.</p> <ul style="list-style-type: none"> • Should be ETL tested and verified for Category 6 component performance. • The Conductors should be twisted in pairs with four pairs contained in a flame retardant PVC jacket separated by a divider. • Should support the following applications: Ethernet 10Base-T, 100Base-T (Fast Ethernet), 1000Base-T (Gigabit Ethernet); 1.2 Gb/s ATM; Token Ring 4/16; digital video; and broadband/base band analog video.
2	Copper Cat 6 Information Outlets	<ul style="list-style-type: none"> • Should exceed all TIA/EIA-568-C.2-1 Category 6 cable performance requirements for frequency up to 250MHz • Should meet TIA/EIA-568-C.2-1 Category 6 standard. • Should be ETL tested and approved for Category 6 component compliance. • Should be 100% tested to ensure NEXT performance. • Should be compatible with modular patch panels, faceplates and surface mount boxes of UTP.
3	Copper Cat 6 Patch Cords	<ul style="list-style-type: none"> • Should exceed TIA/EIA-568-C.2-1 Category 6 ISO 11801 Class E standards • Should be ETL tested and approved for Category 6 component compliance. • Each patch cord should be 100% factory made and performance tested. • Plug performance should be in center of TIA/EIA component range, ensuring interoperability and Gigabit Ethernet channel performance.
4	Surface Mount Boxes	<ul style="list-style-type: none"> • Should accept Cat 6 modules for UTP, Fiber Optic and Audio/Video, which snap in and out for easy moves, adds and changes. • Should be easily mountable easily with supplied mounting screws, adhesive tape or optional magnet. • There should be cable entry from side and rear knockouts and from opening in center of base.

There is some Cisco license like Prime Infrastructure for Prime Infra Base, Lifecycle, Business Edition 7000 Server for UCSS, Top Level SKU for 9.x / 10 / x for UC Manager, ASA 5585-20 Firepower Amp and URL, Freight Management Center (VMware)) etc., they will also have to renew. Vendor will ensure about all the related license of existing running equipment.

Others terms and conditions & eligibility criteria shall remain same.