

**Indian Association for the Cultivation of Science
2A & 2B Raja S.C. Mullick Road, Jadavpur, Kolkata – 700032**

Ref. No. CC/TSD/18/19/1/2

Date: 26-04-2018

Corrigendum of Tender Notice No.II

Technical specification change:-

Name of the Work: “LAN work with Active, Passive and OF connectivity for Subarnarekha Hostel at IACS”

Tender Notice No.	IACS/CC/TSD/2018-19/1	Date: 09/04/2018
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Existing Bill of Material for Passive Networking (point 2, Pg. 2/3):

● Supply	
Description	Quantity / Unit
12 Core multi mode armoured optical fiber cable	250 Mtr
Fiber Shelf for Multi Mode Fiber with adapter and pigtails	2 Nos.
SC-LC MM duplex patch cord	4 Nos.
24 Port loaded patch panel	3 Nos.
Cat-6 UTP 1 mtr patch cord	75 Nos.
HDPE pipe	150 Mtr
● Service	
Optic fiber cable laying charges	250 Mtr
OFC splicing charges	12 Nos.
Soft soil digging charges	60 Mtr
Hard soil digging charges	75 Mtr
Patch panel termination charges	3 Nos.
Switch installation charges	3 Nos.

Updated BoM for Passive Networking:

● Supply	
Description	Quantity / Unit
12 Core multi mode armoured optical fiber cable	250 Mtr
Fiber Shelf for Multi Mode Fiber with adapter and pigtails	2 Nos.
LC-LC MM duplex patch cord	4 Nos.
24 Port loaded patch panel	3 Nos.
Cat-6 UTP 1 mtr patch cord	75 Nos.
HDPE pipe (Diameter : Minimum 32mm)	150 Mtr
PDU for Rack	3 Nos.
UTP CAT6 Cable	1 Box (~305 mtr)
● Service	
Optic fiber cable laying charges	250 Mtr
OFC splicing charges	12 Nos.
Soft soil digging charges	60 Mtr
Hard soil digging charges	75 Mtr
Patch panel termination charges	3 Nos.
Switch installation charges	3 Nos.
Switch to switch connectivity with UTP cable through PVC conduit/casing	30 Mtrs.

Existing Specification of 12 Core multi mode armored optic fiber cable (point 2.2, pg. 5):

1. The fiber cable shall be fully capable of handling existing and legacy multimode applications which traditionally operate in the 850nm and 1300nm regions.
2. The fiber cable shall be constructed with industry standard buffer tubes, stranded around a central strength member.
3. The buffer tubes shall be compatible with standard hardware, cable routing and fan-out kit

Updated Specification of 12 Core multi mode armored optic fiber cable:

1. The fiber cable shall be fully capable of handling existing and legacy multimode applications which traditionally operate in the 850nm and 1300nm regions.
2. The fiber cable shall be constructed with industry standard buffer tubes, stranded around a central strength member.
3. The buffer tubes shall be compatible with standard hardware, cable routing and fan-out kit
4. The fiber should be of OM3 category.
5. Armoring type should be of Corrugated Steel.

Existing Technical specification for SC-LC MM Patch Cord (point 2.2, pg. 6):

● SC-LC MM duplex patch cord

1. The Fiber patch cord should be SC-LC Multimode type.
2. The fiber patch cord should be minimum 1 meter of length.
3. The fiber patch cord should be of Low Smoke Zero Halogen (LSZH).

Updated Technical specification for LC-LC MM Patch Cord:

● LC-LC MM duplex patch cord

4. The Fiber patch cord should be LC-LC Multimode type.
5. The fiber patch cord should be minimum 1 meter of length.
6. The fiber patch cord should be of Low Smoke Zero Halogen (LSZH).

Existing Technical specification for 24 Port Loaded Patch panel (point 2.2, pg. 6):

The ganged adapter style patch panel will utilize increments of six RJ-45 style jacks in a common moulded component.
The ganged adapters shall have RJ45 jack in the front and Insulation Displacement Connector (IDC) at the rear of the module.
Termination managers must be provided with the panel. These termination managers provide proper pair positioning, control, and strain relief features to the rear termination area of the panel.

The panel shall have horizontal cord organizers available as to improve patch cord management
The patch panel type shall be a 1U panel capable of supporting 24 unshielded modular 8-pin connectors compliant with IEC 60603-7-4 while meeting the Channel Performance as specified in Amendment 1 to ISO/IEC 11801:2002
The panel shall be available in 24-port configurations with universal A/B labeling and 110 connector terminations on rear of panel allowing for quick and easy installation of 22 to 24 AWG cable
The panel shall be equipped with a removable rear mounted cable management bar and front and rear labels
The panel shall be UL and cUL Listed
Insulation Types = All plastic insulates (including PVC, irradiated PVC, Polyethylene, Polypropylene, PTF Polyurethane, Nylon, and FEP)

Updated Technical specification for 24 Port Loaded Patch panel

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The panel shall be UL and cUL Listed

Existing Scope of Work (point 4, pg. 9):

Armoured Optical Fiber cable will be passed through a HDPE pipe. HDPE pipe will be laid 3 ft. below the ground level. The path of cable laying may include digging of soft soil, concrete and wall. After laying of FO cable, appropriate repairing and cementing marker should be done. Petty civil works like drilling, holing in walls, plastering, work inside false ceiling, conduit, casing

inside/outside room etc. should be included without any extra charges. No equipment and other amenities necessary for completion of this project will be provided by IACS. Only electricity required for the project will be provided by IACS.

Updated Scope of Work:

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OEM Criteria (new addition)

All the active components should be from same OEM. All the passive network components should be from same OEM.

Acting Registrar