



# NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

MAHATMA GANDHI AVENUE  
DURGAPUR -713 209, WEST BENGAL, INDIA

## CORRIGENDUM NOTICE

**BID REFERENC:NITD/HOSTEL/WiFi/02/Dec/2016**

**Date: 21.12.2016**

With reference to Bid Ref: NITD/Hostel/WiFi/01/Nov/2016 dated 29.11.2016 for Wi-fi installation in four hostels at NIT Durgapur, the pre-bid meeting was held on 16.12.2017. The following amendments have been done as highlighted with yellow color.

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**Last Date of Bid Submission: 03.01.2017, 10:00AM (Tuesday)**

**Date of Techno-Commercial Opening: 03.01.2017, 10:30 AM (Tuesday)**

**Date of Price Bid Opening: 09.01.2017, 10:30 AM (Monday)**

**Dr. Rajat Mahapatra**  
Chairman Hostel WiFi Committee  
Dept. of ECE, NIT Durgapur,  
West Bengal, India

**Dr. Suvamoy Changder**  
Convener Hostel WiFi Committee  
Dept. of CA, NIT Durgapur,  
West Bengal. India

## Annexure – I

**PRICE BID**

Sl.No.	Item	Unit Price (inclusive TAX)	Quantity				Total Price
			Hall-1	Hall-3	Hall-9	Hall-11	
<u>1</u>	WiFi Access Point						
<u>2</u>	POE Switch (24) Port						
<u>3</u>	4U Rack						
<u>4</u>	CAT 6 Cable (B0x)						
<u>5</u>	Wireless Hardware Controller						
<u>6</u>	Cable Laying (including PVC, Flex pipe, RJ connectors, other accessories)						
<u>7</u>	Installation Charge						
<u>8</u>	Maintenance for one year compulsory (if inclusive, put N/A)*						
<u>9</u>	Electric Points (if required, specify)						
<u>10</u>	Metal Casing (optional)						
<u>11</u>	Additional maintenance for 2 years (Optional)						

\* Maintenance: Includes the warranty of the active items and maintenance of the passive components.




## Annexure-II

**Table 1: Estimated Passive Items (Tentative)**

Sl.No.	Name of the Building	Location	No. of room	No of students	Access Point	24 Port Ethernet Switch (Unmanaged)	POE Switch (24 ports)	4 U RACK	Wireless Hardware Controller	
1	Hall 1	Ground Floor								
		Block 1	8	32	3	Available in hostel				
		Block 2	16	64	6					
		Block 3	16	64	8					
		1st Floor								
		Block 1	14	56	4					
		Block 2	16	64	6					
		Block 3	16	64	8					
		2nd Floor								
		Block 1	14	56	4					
		Block 2	16	64	6					
		Block 3	16	64	8					
		3rd Floor								
		Block 3	16	64	8					
2	Hall 3	Ground Floor								
		Block 1	8	32	3	Available in hostel				
		Block 2	16	64	6					
		1st Floor								
		Block 1	14	56	6					
		Block 2	16	64	6					
		2nd Floor								
		Block 1	14	56	6					
Block 2	16	64	6							
3	Hall 9	Ground Floor	31	124	16					
		1st Floor	47	188	18					
		2nd Floor	31	124	16					
		3rd Floor	31	124	16					
4	Hall 11	Ground Floor	38	152	18					
		1st Floor	39	156	18					
		2nd Floor	39	156	18					
		3rd Floor	39	156	18					
		4th Floor	39	156	18					
		5th Floor	39	156	18					
<b>Grand Total</b>			<b>605</b>	<b>2420</b>						

The 24 port ethernet switches which are mentioned in the 8<sup>th</sup> column are connected with the back bone only. In Hostel No 11, there is no switch connected with the back bone. Therefore one number of GB switch with two numbers of transceivers are required.

*[Handwritten signature]*

*Sehansh*

## Annexure-III

Technical -Specifications	
Item	Particulars
Wireless Accesses Point	<ul style="list-style-type: none"> <li>Up to 10x the coverage and 15x the speed of 802.11g networks or better</li> <li>Backward compatible to 802.11g devices while simultaneously providing faster wireless or better networking for 802.11n devices</li> <li>Security features include WPA, WPA2, rogue AP detection and 802.</li> <li>Can run on 802.3af PoE for easy placement in optimal locations- desktop, wall- mount or ceiling</li> <li>Comprehensive SNMP functionality for advanced network management</li> <li>Mounting kit provides for wall or ceiling placements</li> <li>One (1) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af Power over Ethernet (PoE) support or better</li> </ul> <p><b>Note:- 12 Nos. of Wireless Access Point out of 88 must be compatible with UAP -3 ( EU ) uni- fi Wireless Access Point.</b></p>
Wireless Hardware Controller	<ul style="list-style-type: none"> <li>Support model A/B/G/N,</li> <li>Maximum AP Support 50 per controller , Default 20 AP or better,</li> <li>Maximum Security Profiles ( SSID ) per profile group 8 per radio (2.4 GHz; 5 GHz) or better integrated DHCP server</li> <li>Multiple DHCP server/pool can be added for different VLANs (up to 64)</li> <li>AP load monitoring and overload prevention</li> <li>Client redirection to lightly loaded neighboring APs</li> <li>Seamless rapid mobility across VLAN and subnets</li> <li>Includes 802.11i pre-auth and fast roaming</li> <li>Fast roaming support across L2, and L3 for video, audio and voice over wireless client</li> <li>WMM power save helps conserve battery power in small devices such as phones, laptops, PDAs, and audio players using IEEE® 802.11e mechanisms</li> <li>Network usage statistics display plots of average received/transmitted network traffic per managed access point. Three different plots show Ethernet, Wireless 802.11 b/bg/ng and 802.11 a/na mode traffic separately</li> <li>Switch 4-port 10/100/1000</li> <li>1 port for USB storage, More floor heat maps, Extended statistics history</li> </ul> <p><b>Note:- 2 Nos of Wireless Hardware Controller out of 8 must be compatible with UAP -3 ( EU ) uni- fi Wireless Access Point</b></p> <p><b>Note: Individual hostel must have separate controller</b></p>
Network Enclosure	<ul style="list-style-type: none"> <li>4 U RACK Size : ( Height – 258 MM , Usable : 04U Width – 550MM , Usable: 19” , Depth -400MM , Usable – 350mm )</li> <li>Construction : Welded</li> <li>Front Door : Lockable Through Ended Glass Door</li> <li>Basic Frame : Steel</li> <li>Equipment Mounting : DIN Standard Slots</li> <li>Mounting Angle : 19” Mounting Angle made of formed Steel</li> <li>Standard Finish : Powder Coated</li> <li>Static Load : Min 40 KGS or Higher</li> <li>Rack Standard : Confirms to DIN 41494 or equivalent standard</li> </ul>
POE Switch	POE Switch Speed 10/100/1000, No of Ports: 24 with 1000 BASE-T, 1000 BASE-T POE and CoS enabled. Bandwidth : 3.2 Gbps or Better. Standard dimension such that easily fit in the rack.
Network Switch (un managed)	<ul style="list-style-type: none"> <li>24-port 10/100BASE Ethernet Switch with RJ-45 connectors Supports</li> <li>Auto-negotiation of speed and duplex modes for each port Supports</li> <li>Auto-MDI/MDI-X on each port,</li> <li>Wire-speed reception and transmission Store-and-Forward switching</li> <li>method Integrated address Look-Up Engine,</li> <li>supports 8K MAC addresses</li> <li>Supports 2.5Mbits RAM for data buffering</li> <li>Broadcast storm protection</li> <li>IEEE 802.3x flow control for full-duplex Back pressure flow control for Half-duplex</li> </ul>
UTP Cable	CAT-06 UTP Cable (Pure Copper) for Networking (Make- Digilink or equivalent)
Cable Laying Changes	Cable laying with PVC Pipe with ISO Certification (Wall thickness 0.140 inch minimum) , Flexi pipe , RJ Connectors and other Networking accessories as per the requirement, D-type metal saddle
Electric Points	With copper wiring, proper casing, standard ISI Plug and switch.
Installation Charges	Installation and commissioning charges for Switches , AP , WLL Hardware Controller and other hardware device
Metal Casing	Metal grid casing for the protection of the passive devices (Access point) from theft or damage