

INDIAN INSTITUTE OF CHEMICAL BIOLOGY

4, RAJA S.C.MULLICK ROAD, KOLKATA – 700 032

(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH NEW DELHI)

**TENDER FOR ESTABLISHMENT OF LOCAL AREA
NETWORK (LAN) & Wi-Fi SYSTEM FOR NEW CAMPUS OF
INDIAN INSTITUTE OF CHEMICAL BIOLOGY AT
SALT LAKE KOLKATA**

VOLUME – VI

SCHEDULE OF QUANTITY

JULY 2012



Project Management Consultants

HSCC (India) Ltd

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Tender No. – Admn. 26(141)/2011/SLP

Schedule of Quantity (BOQ) for establishment of Local Area Network (LAN) & Wi-Fi System at IICB, Salt Lake Campus Kolkata

Work to be executed as per Scope of work, Drawings, Technical Specification, tender's terms and conditions for establishment of LAN at IICB, Salt Lake Campus Kolkata

Sr. no.	Item Description	Quantity	Unit	Rate in figure(in Indian Rupees Rs.)	Rate in words(in Indian Rupees)	Amount (in Indian Rupees - Rs.)
1	2	3	4	5	6	7
	Supply, Installation, Testing and Commissioning of the following items as per requirement and as directed to the satisfaction of the engineer and complete in all respect					
Active Devices						
Core Switch (Make - CISCO/Juniper/Brocade/HP)						
1.0	Core Switch as per the technical specification mentioned	1	No			
1.1	10 G Optical Transceivers for Core Switch supporting Multi-mode OFC	10	No			
1.2	48 Port 10/100/1000 BaseT RJ-45	1	No			
1.3	8 Port 10GbE SFP+ line card	2	No			
Edge Switch Type-1 (Make - CISCO/Juniper/Brocade/HP)						
2.0	Gigabit Stackable Ethernet Switch (Edge Switch Type-1) as per the technical specification mentioned	8	No			
2.1	10 G Optical Transceivers for Edge Switch Type-1 supporting Multi-mode OFC	8	No			
2.2	2 Port 10G SFP Module	8	No			
Distribution Switch (Make - CISCO/Juniper/Brocade/HP)						
3.0	Distribution Switch as per technical specification mentioned	1	No			
3.1	10G Optical Transceivers for Distribution Switch supporting Multi-mode OFC	2	No			
3.2	1G (Gigabit) Optical Transceivers for Distribution Switch supporting Multi-mode OFC	5	No			
3.3	SFP 1000Base-T 10/100/1000 Copper Transceiver Module	1	No			
Edge Switch Type-2 (Make - CISCO/Juniper/Brocade/HP)						
4.0	Gigabit Ethernet Switch (Edge Switch Type-2) as per the technical specification mentioned	2	No			
4.1	1G (Gigabit) Optical Transceivers for Edge Switch Type-2 supporting Multi-mode OFC	3	No			
Wireless Devices (Make - CISCO/Juniper/Brocade/HP)						
5.0	Wireless Access Point (Indoor) - as per technical specification mentioned	20	No			
5.1	Wireless Access Switch/Controller - as per technical specification mentioned	1	No			
5.2	Wireless Radio/Access Point(Outdoor) with external sector antenna for point to point backhaul - as per technical specification mentioned	2	No			
5.3	Wireless LAN Management software - as per technical specification mentioned	1	No			
Firewall (Make - CISCO/Juniper/Checkpoint/HP/Fortinet)						
6.0	Appliance based Firewall with internal/external IPS/IDS - as per technical specification mentioned	1	No			

Please Note that Rate and Amount should be quoted in Indian Rupees(Rs.) only

	Access Control (Make - CISCO/Juniper/Brocade/HP)				
7.0	Network Access Controller - as per technical Specification mentioned	1	No		
	Network Management (Make - CISCO/Juniper/Brocade/HP)				
8.0	Network Management Solution - as per technical specification mentioned	1	No		
9.0	Server Hardware - as per the technical specification mentioned (make - HP/IBM/Dell)	1	No		
10.0	Server Operating System - Windows 2008 Server Enterprise License with Media and five client licenses	1	No		
11.0	40" LCD TV (make - Samsung/Sony/Panasonic)	1	No		
12.0	5 KVA online UPS with 2 hours battery backup - as per the technical specification mentioned (make - APC/Emerson/Merlinzerin/Eaton Powerware)	1	No		
13.0	10 KVA online UPS with 2 hours battery backup - as per the technical specification mentioned (make - APC/Emerson/Merlinzerin/Eaton Powerware)	1	No		
	Passive devices (Make - Molex/Systimax/R&M/AMP/Panduit)				
14.0	UTP Components				
14.1	CAT 6A S/FTP Cable, 4 pair, Box of 305 Meters	18	No		
14.2	24 Port CAT 6A S/FTP Patch Panel	14	No		
14.3	CAT 6A S/FTP I/O with back box & Single Port Face Plate	92	No		
14.4	CAT 6A S/FTP UTP Patch Cord 2 mtrs	100	No		
14.5	CAT 6A S/FTP UTP Patch Cord 3 mtrs	100	No		
15.0	OFC Components				
15.1	6 core outdoor armoured Multimode, OM3 cable	800	Meter		
15.2	24 Port Rack Mountable LIU/OFC Patch Panel - loaded	4	No		
15.3	6 Port Rack Mountable LIU/OFC Patch Panel - loaded	9	No		
15.4	OM3 Multi Mode SC Pigtailes	144	No		
15.5	SC-LC Fiber Patch Cord Pigtail, MM OM3 1.5 mtrs.	18	No		
16.0	Cabling Accessories				
16.1	1" Casing / Capping	300	Meter		
16.2	1.5" Casing / Capping	500	Meter		
16.3	1 " PVC Conduit	800	Meter		
16.4	1" Flexible Pipe	100	Meter		
16.5	32 mm HDPE Pipe	800	Meter		
16.6	1" GI Pipe	30	Meter		
17.0	Equipment Racks				

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17.1	42U floor standing Equipment Rack with all standard accessories that include 2 no. Cable Manager, Power Bar with 5 x 5/15A sockets as per technical specification mentioned	1	No			
17.2	12U Wall mountable Equipment Rack with standard accessories that include 1 nos. Cable Manager, Power Bar with 5 x 5/15A sockets as per technical specification mentioned	12	No			
18.0	Implementation and Job works					
18.1	Fixing of HDPE Pipe over the wall	800	Meter			
18.2	Digging, Laying of GI Pipe under soft soil and Refilling	10	Meter			
18.3	Digging, Laying of GI Pipe under hard soil / concrete and Refilling	10	Meter			
18.4	Digging, Fixing of GI Pipe under Asphalt roads and Refilling	10	Meter			
18.5	Pulling of fibre thru GI Pipe/ HDPE/Flexible Pipe	800	Meter			
18.6	Fibre Termination / splicing (per core)	192	No			
18.7	Fixing of LIU	15	No			
18.8	Fixing / installation of 12 U rack & dressing	12	No			
18.9	Fixing / installation of 42U Rack & dressing	1	No			
18.10	Fixing of PVC Conduit / casing / capping on surface	2000	Meter			
18.11	Laying of UTP cable	5490	Meter			
18.12	Cat 6A S/FTP I/O Fixing and termination	100	No			
18.13	Installation / Fixing of Jack Panel, Cat 6 cable termination and dressing	21	No			
18.14	Installation of 3 Meter GI Poles for mounting WLAN Bridge	2	No			
18.15	Documentation and Project Management Charges	1	Lumpsum			
18.16	Training	1	Lumpsum			
Total Amount (in Indian Rupees - Rs.)						
Total Amount in words - Indian Rupees						

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