

CSIR-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 CCTV SYSTEM
FOR
NEW CAMPUS OF
CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY AT
SALT LAKE, KOLKATA**

VOLUME – VI

SCHEDULE OF QUANTITY

FEBRUARY 2013



Project Management Consultant
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Tender No. – Admn.26(198)/2012

SCHEDULE OF QUANTITY FOR CCTV SYSTEM (LAB & GUEST HOUSE BLOCK) OF 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 CCTV System at IICB, Salt Lake Campus, Kolkata

S.No.	Item description	Unit.	Qty	Rate in Figures (in Rs.)	Rate in words (in Rs.)	Amount in Rs.
	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					
	CCTV Camera					
1.00	Supply, installation, testing and commissioning of indoor 530 TVL high resolution or better , weather proof dome type, 1/3-inch CCD imager, with minimum illumination 0.001 lux Day Night application camera with varifocal lens, 2.8-10 mm including Connectors, Lens, camera Mounts. Power Supply and all ancillary equipment required for the proper functioning of the camera complete as per technical specifications and as required.	No	25			
2.00	Supply, installation, testing and commissioning of 36X optical 12X digital zoom high speed out door PTZ, true day/ night application, colour dome camera with 1/4" Ex view HAD CCD imager, 540 TVL or better weather proof, 24 hour surveillance, IP 66 standard, light & surge protector, high strength metal housing including Connectors, Lens, camera Mounts. Power Supply and all ancillary equipment required for the proper functioning of the camera as per technical specifications and as required.	No	8			

3.00	Supply, installation, testing and commissioning of 530 TVL high resolution or better , weather proof Box Type , 1/3-inch CCD imager, with minimum illumination 0.001 lux Day Night application camera with varifocal lens, 2.8-10 mm including Connectors, Lens, camera Mounts in IP66 Weatherproof Housing. Power Supply and all ancillary equipment required for the proper functioning of the camera complete as per technical specifications and as required.	No	2		
	Keyboard				
4.00	Supply, installation, testing and commissioning of Key Board for control operation of PTZ colour dome camera with all necessary accessories complete as required.	No	1		
	DVR				
5.00	Supply, installation, testing and commissioning of 16 channel real time, 400/480 fps, D1 resolution embedded Digital Video Recorder (DVR) with 2 video and one audio outputs and facility to record multiple camera signals while simultaneously providing live multi-screen viewing, recording, playback, remote viewing and archiving of recorded data. DVR with 8 TB HDD. DVR will do real time recording at CIF resolution & H.264 compression. DVR will be IP based web enabled DVRs. DVR racks and any other item required in the commissioning and complete as per technical specifications and as required.	No	3		
	Monitor				
6.00	Supply, installation, testing and commissioning of 40" LCD high resolution flat screen monitor including all accessories, complete as per technical specification and as required.	No	3		
	UPS				

7.00	Supply, installation, testing and commissioning of 2 KVA true online UPS with one hour battery backup - as per the technical specification mentioned with all the accessories etc. and Power Points are also to be made to give power to the UPS, Monitors, DRVs, complete in all respect.	No	1			
8.00	Supply, installation, testing and commissioning of 1 KVA true online UPS with one hour battery backup - as per the technical specification mentioned with all the accessories etc. and Power Points are also to be made to give power to the UPS, Monitors, DRVs, complete in all respect.	No	1			
Cabling Accessories						
9.00	Supply and fixing of following size of ISI marked MS conduit along with the accessories in surface/ recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required.					
	i) 20 mm dia	Metre	680			
	ii) 25 mm dia	Metre	400			
10.00	Supply and fixing of following size of PVC marked MS conduit along with the accessories in surface/ recess including painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit as required.					
	i) 20 mm dia	Metre	150			
	ii) 25 mm dia	Metre	150			
11.00	Supply and drawing flexible 2x1.5 sq. mm PVC insulated copper conductor cable in the existing MS conduit for power supply to the camera.	Metre	1200			

12.00		Supply and laying armoured 2x1.5 sq. mm PVC insulated copper conductor cable for power supply to the camera direct in ground including digging laying the cable back filling of the earth etc complete as required.	Metre	1000		
13.00		Supply and drawing flexible coaxial TV cable RG-11 grade, solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed steel conduit as required.	Metre	2100		
14.00		Supply and laying armoured coaxial TV cable RG-11 grade, solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath direct in ground including digging laying the cable back filling of the earth etc complete as required.	Metre	1400		
15.00		Supply and laying armoured 4 core twisted pair shielded with fine tinned copper braid and protected with PVC sheath directly in the ground including digging laying the cable back filling of the earth etc complete as required.	Metre	900		
16.00		Supply and laying HDPE Pipe directly in the ground including digging laying the cable back filling of the earth etc complete as required.				
	i	32mm dia	Metre	830		
	ii	50mm dia	Metre	720		
		Rack				
17.00		Custom-Built Rack for mounting of 3 Nos of DVR & Joystick	No	1		
TOTAL Amount (in Indian Rupees - Rs.)						
Total Amount in words - Indian Rupees						