

20.03.2014									
Bill of quantities / schedule of works for Fire and Security System to be carriedout for Bio - incubator at IITM Research Park and IITM, Chennai.									
Item No	Description	Qty			Unit	Supply		Erection	
		IITRD	IIT	Total		Rate Rs.	Amount Rs.	Rate Rs.	Amount Rs.
I	Fire Detection and Alarm System								
01.00.00	Panel								
01.01.00	Supply, Installation, testing & commissioning of wall/floor mounted type 2 Zone Digitally addressed, having addressable features (capable of giving individual addresses of each & every detector), Micro Processor based fire alarm control panel made of 16 SWG CRCA Sheet with hinged front cover and acrylic sheet in the front with locking arrangement and inbuilt battery Box, comparing of Audio/visual alarm Indication of fire & fault etc. with RS 485 communication	1		1	No				
02.00.00	Detectors								
02.01.00	Supply, Installation, Testing & Commissioning of Conventional Optical type Smoke Detector with base. LED should blink Green in case of normal functioning and Red in case of Fire/Fault.	10	4	14	Nos				
02.02.00	Supply, Installation, Testing & Commissioning of Conventional Heat Detector with base. LED should blink Green in case of normal functioning and Red in case of Fire/Fault	2		2	No				
02.04.00	Supplying, fixing, connecting & commissioning Remote Response Indicator LED Type	RO	2	2	Nos				
02.05.00	Supply, Installation, testing, Commissioning of Manual Call Point resettable type as per the specifications.	1	1	2	Nos				
02.06.00	Supplying, fixing, connecting & commissioning Sounder	2	1	3	Nos				
02.07.00	Supplying, fixing, connecting & commissioning Line Isolator	1	1	2	Nos				
02.08.00	Supply and laying of 2 Core 1.5 Sq.mm. Copper armoured cable.	275	100	375	Mts				
02.09.00	Control Module for the following	5	2	7	Nos				
	a) To Trip AC units - 1 Nos.								
	b) Access Control - 2 Nos.								
	e) Spares - 2 Nos.								
02.10.00	Supplying and fixing Auto Dialer	1		1	Set				
02.11.00	Supply of Remote Programming test unit for programming of detectors.	1		1	Set				
02.12.00	Testing & Commissioning Charges	1	1	2	LS				
	Total								

II	Access Control System								
01.01.00	Supplying, fixing, connecting and commissioning Single Door Controller capable of controlling entry and exit of door withTCP/IP Connectivity, <u>PSU and Battery Back up</u>	2	1	3	Nos.				
01.02.00	Supplying,fixing,connecting and commissiong Biometric system - Finger Print Reader & with proximity card reader	RO							
02.00.00	Proximity (HID) card Readers	4	2	6	Nos.				
03.00.00	Electro magnetic lock with magnetic contact (force 200 kgs)	2	1	3	Nos.				
04.00.00	Exit push switch with mounting box	RO	RO		No.				
05.00.00	Proximity (HID) Card	50	10	60	Nos.				
06.00.00	Supplying, commissioning Attendance software	1	1	2	No.				
07.00.00	Cabling in PVC Conduits								
	(Tenderer must specify the cable size)								
07.01.00	Between control Panel to Control Panel				Mts				
07.02.00	Between Control Panel to EM Lock	10	5	15	Mts				
07.03.00	Between Control Panel to Readers	10	5	15	Mts				
08.00.00	Testing & commissioning charges	1	1	2	LS				
	GRAND TOTAL								
	Abstract								
I	Fire Detection and Alarm System								
II	Access Control System								
	Grand Total								