

CORRIE GENDUM NO.1

Sub: Construction of upgradation Buildings [Type -B], Electrification, IT related works, Roads, Drains, Water supply, and Sewerage works, etc., works for the National Importance project.

The following amendments are made in the Notice Inviting Tender Vide Ref: NSU/CIVIL/ASC-4/Construction/003/163 dated: 04-06-2021.

Bill of quantity for IT and fire control works are as follows:

Ref: NSU/CIVIL/ASC-4/Construction/003/163			04.06.2021
ITI LIMITED,			
ITI BHAVAN, N.S. UNIT,			
DOORVANINAGAR, BANGALORE 560 016.			
IT AND FIRE: BILL OF QUANTITY: - No. of Building is 02.			
SL. No.	DESCRIPTION	UNIT	QTY
A	ACCESS CONTROL SYSTEM consisting of the following		
	A) Supply, Installation, testing and commissioning of the access control system including the following equipments including necessary fitting, fixtures, cables, etc. (Model No./make RBH-Integra32) 1 nos per node. B) 2-Door Control Panel with universal cabinet and power supply and required license. (Model No./make RBH-IRC-2000) 2 nos each per node. C) Biometric reader. (Model No./make BFR-300-S) 3 nos each per node. D) PROXIMITY CARD. (Model No./make SR-2400) 10 nos each per node.	Set	2

B	PHYSICAL INTRUSION DETECTION AND PREVENTION SYSTEM consisting of the following:		
	<p>A) Supply, installation, testing and commissioning of physical intrusion detection and prevention system including all necessary accessories. (Model No Securico President) 1 nos each per node.</p> <p>B) Intrusion Controller panel(Make :Securico President). One no per node.</p> <p>C) Keypad - Alpha Addressable LCD Keypad (make:OPTEX-OTI-AX-200TF). One per node.</p> <p>D) PIR Sensor (make: Optex). Qty: 4 nos per node.</p> <p>E) Beam Protector (Covering the entire parameter of the node) (make:Optex). Qty: 5 per node.</p> <p>F) Ground sensor (make: Optex). Qty: 4 nos per node.</p> <p>G) 130 db hooter (make:Optex) Qty: 2 no per node.</p> <p>H) 2ft pole for beam detector (make: Optex). Qty: 2 nos per node.</p>	Set	2
C	FIRE DETECTION AND SUPPRESSION SYSTEM consisting of the following:		
	<p>3.1 FIRE DETECTION AND SUPPRESSION SYSTEM consisting of the following:</p> <p>A) Supplying, installing, testing and commissioning of addressable Main control panel comprising of visual and audible fire and fault alarms and signals, indicators and all other accessories. Panel shall be ISI Approved. The system shall be installed with complete necessary fittings and fixtures including 2C x 1.5 sqmm and 2C x 2.5 sqmm ISI marked cables and wires. All the conduits shall be as per NBC specifications. (Model No Kentek Syncro As) 1 nos each per node.</p> <p>B) OTI-AX-200TE - Photoelectric Detector with Synchronized twin beam, 200ft outdoor all weather range, IP65 Lightning Protection Level 14kV, 99% beam blocking stability includes pole mounting kit (Model No OTI-AX-200TE) 2 nos each per node.</p> <p>C) OTIBC3 - Back cover for OTIAX200TF (Model No OTIBC3) 2 nos each per node.</p> <p>D) SOUNDER 12V - High power 130 db, Police Siren Sound, Suitable for Indoor and Outdoor application. Tamper Loop. (Model No Roshni red 32 tone) 2 nos each per node.</p> <p>E) Smoke detectors(Model No Apollo Discover / 58000-600) 5 nos each per node.</p> <p>F) Heat detectors(Model No Apollo Discover / 58000-400) 1 nos each per node.</p> <p>G) Multi-Criteria detectors(Model No Apollo Discover) 3 nos each per node.</p> <p>H) Manual Call Point (Breaking Glass type)(Model No Apollo Discover /55000-971) 2 nos each per node.</p> <p>I) Sounder / Flasher with Control Module(Model No Apollo Discover) 2 nos each per node.</p> <p>J) Short Circuit Isolator 2 nos each per node.</p>	Nos	2

	<p>K) Control modules for AHU / FAN trappings(Model No/Make: SS) 1 nos each per node.</p> <p>L) Fire Signages- photoluminescent Green or Red color safety signages in different sizes / graphics / colours /texts can be made according to the standards 2 nos each per node.</p> <p>3.2 A) GAS SUPPRESSION SYSTEM FM 200 Gas based Fire Suppression System shall be considered for equipment storage room and server room. Qty 1 no system per node.</p> <p>3.3 FIRE EXTINGUISHER</p> <p>A) CO2 type cylindrical shape fire extinguisher - 4.5 Kg Capacity with requisite fixing arrangement (Model No/make Ventex) 5 nos each per node.</p> <p>B) ABC type fire extinguisher - 6 Kg capacity with requisite fixing arrangement (Model No/make Ventex) 5 nos each per node.</p> <p>C) Dry chemical powder type cylindrical shape fire extinguisher - 6 Kg Capacity with requisite fixing arrangement (Model No/make Ventex Dry powder 4308/14609) 5 nos each per node.</p> <p>D) Mechanical foam type fire extinguishers with requisite fixing arrangement (Model No/make Ventex) 5 nos each per node.</p> <p>E) Trolley mounted type - 1 litres capacity. 5 nos each per node.</p> <p>F) Trolley mounted type -50 litres capacity. 5 nos each per node.</p> <p>G) Supply and installation of Fire buckets of 9 litres capacity. Stand made of MS Channel and angle to accommodate 4 Nos. of buckets filled with cleaned soft sand. Rate shall be inclusive of red paint for buckets and MS Sand as per Fire Code. 5 nos each per node.</p>		
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Note: All other terms and Conditions in the tender remain unaltered.