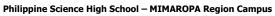


Republic of the Philippines **DEPARTMENT OF SCIENCE AND TECHNOLOGY**



Barangay Rizal, Odiongan, Romblon 5505



Certificate No. AJA18-0208 SCP000433Q

PROJECT: COMPLETION OF ACADEMIC BUILDING II LOCATION: BRGY, RIZAL, ODIONGAN, ROMBLON

OWNER: Philippine Science High School - MIMAROPA Region Campus

BILL OF QUANTITIES SUBJECT:

TEM NO.		DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
0.0	GENER/	AL REQUIREMENTS					
	1.0	Mobilization/ Demobilization	lot	1.00			
	2.0	Permits, Licenses, Clearances, etc.					
		a. Occupancy	lot	1.00			
	3.0	Bonds and Insurances	lot	1.00			
	4.0	Temporary facilities for Contractor	lot	1.00			
	5.0	Health Safety Requirements	lot	1.00			
	6.0	Temporary Enclosure / board-up	lot	1.00			
	7.0	As-Built Plan	lot	1.00			
	8.0	Project Billboard	lot	1.00			
2.3	ARCHITI	ECTURAL WORKS					
		DAGEMENT TO OPOUND ELOOP LEVEL					
	1.0	BASEMENT TO GROUND FLOOR LEVEL MASONRY WORKS/DRYWALL PARTITION					
	1.0	d. Skimcoating	sq.m				
	2.0	FINISHES					
	2.1	Floor Finishes (Basement Floor)					
		a. ±50mm corrective Floor topping	sq.m				
		FF-1: 600x600mm Homogenous tiles (polished) with tile grout					
		D. on joints	sq.m				
		c. FF-2; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints	sq.m				
		d. FF-3; Straight to finish concrete w/ concrete hardener	sq.m				
	2.2	Wall Finishes (Basement Floor)					
		a. 300x300mm Homogenous tile (non-skid)	sq.m				
		a. oooxooniiii Honogenous tile (non-sidu)	oq.iii				
	2.3	Ceiling Finishes					
		a. CF-1; 12mm thick gypsum board on steel furring framing	sq.m				
		b. CF-2; 12mm thick sag-resistant gypsum board on steel furring framing	g sq.m				
	3.0	PAINTING WORKS					
		a. Elastomeric paint finish on plastered wall	sq.m				
		b. Latex semi-gloss paint finish on plastered wall	sq.m				
		c. Semi-gloss paint finish on gypsum board wall	sq.m				
		d. Latex paint finish on slab soffit	sq.m				
		e. Flat latex paint finish on gypsum board ceiling	sq.m				
		e. Hat latex paint linish on gypsum board ceiling	34.111				
	5.0	OPENINGS (Basement Floor)					
	5.1	Doors and Jambs					
		WD-01 $\begin{array}{c} 900 \text{mm W x } 2100 \text{mm H Hollow core framed wood door, single} \\ \text{leaf} \end{array}$	e set				
		SD-01 1000 mm W x 2100mm H Hollow core metal door with fire exit device, single leaf	set				
		SD-02 900mm W x 2100mm H Hollow core metal door, single leaf	set				
		SD-04 800mm W x 2100mm H Hollow core metal door, single leaf	set				
		SD-05 1000mm W x 2100mm H Hollow core metal door, single leaf	set				
		GD-02 1700mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
		GD-03 on standard powder coated aluminum inish on standard powder coated aluminum finish on standard powder coated aluminum finish	set				
	7.0	MISCELLANEOUS WORKS (Basement Floor)					
		b. Toilet Partitions with Door panel & accessories	m				
l l							i

ITEM NO.		DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
		SECOND FLOOR					
	1.0	MASONRY WORKS/DRYWALL PARTITION					
		d. Skimcoating	sq.m				
		ENIOLIEO					
	2.0	FINISHES					
	2.3	Ceiling Finishes					
		a. CF-1; 12mm thick gypsum board on steel furring framing	sq.m				
		b. CF-2; 12mm thick sag-resistant gypsum board on steel furrin framing	ng sq.m				
	3.0	PAINTING WORKS					
		a. Elastomeric paint finish on plastered wall	sq.m				
		b. Latex semi-gloss paint finish on plastered wall	sq.m				
		c. Semi-gloss paint finish on gypsum board wall	sq.m				
		d. Latex paint finish on slab soffit	sq.m				
		e. Flat latex paint finish on gypsum board ceiling	sq.m				
		3,7					
		THIRD FLOOR AND ROOF DECK					
	1.0	MASONRY WORKS/DRYWALL PARTITION					
		b. New CHB Wall-100mm (4") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
		c. Skimcoating	sq.m				
		<u> </u>	4				
	2.0	FINISHES					
	2.1	Floor Finishes					
		a. ±50mm corrective Floor topping	sq.m				
		b. FF-2; 600x600mm Vitrified ceramic unglazed tiles, non-slip w					
		tile grout & sealer on joints					
		c. FF-3; Straight to finish concrete w/ concrete hardener FF-4; 10x10mm Rusticated concrete in broom finish @	sq.m				
		d. 100mm O.C.	sq.m				
	2.2	Wall Finishes					
		a. 300x300mm Homogenous tile (non-skid)	sq.m				
	2.3	Ceiling Finishes					
		 a. CF-1; 12mm thick gypsum board on steel furring framing b. CF-2; 12mm thick sag-resistant gypsum board on steel furring 	sq.m				
		b. framing	sq.m				
	3.0	PAINTING WORKS					
		a. Elastomeric paint finish on plastered wall	sq.m				
		b. Latex semi-gloss paint finish on plastered wall	sq.m				
		c. Latex paint finish on slab soffit	sq.m				
		d. Flat latex paint finish on gypsum board ceiling	sq.m				
	5.0	OPENINGS					
	5.1	Doors and Jambs WD 02 1000mm W x 2100mm H Hollow core framed wooddoor with	,				
		6mm thk glass view panel, single leaf	Set				
		WD-03 1800mm W x 2100mm H Hollow core framed wood door with 6mm thk glass view panel, double leaf	h set				
		SD-01 1000mm W x 2100mm H Hollow core metal door with fire exidevice, single leaf	it set				
		SD-02 900mm W x 2100mm H Hollow core metal door, single leaf	set				
		SD-03 1000mm W x 2100mm H Hollow core metal door, single leaf	set				
		SD-06 900mm W x 2100mm H Hollow core metal door, single leaf	set				
	7.0	MISCELLANEOUS WORKS					
		a. 50mmø GI Pipe Railing	m				
					1		
		b. 9mm Fiber cementboard on steel framing (wall cladding)	sq.m		-		
	l	c. Toilet Partitions with Door panel & accessories	m				
		d. Urinal Partitions; Phenolic board	ea				

ITEM	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	ELECTRICAL WORKS					
	BASEMENT FLOOR					
	A Lighting and Power System 3.0 Wires & Cables THHN stranded					
	3.5 Wires & Cables 1 HHN stranded 3.5mm ²	m				
	3.311111	""				
	4.0 Wiring Device					
	Simplex Convenience Outlet	set				
	Duplex Convenience Outlet	set				
	Weather Proof Outlet Duplex Convenience GFCI Outlet	set				
	Floor Mounted Duplex Outlet	set set				
	One gang Switch	set				
	Two gang Switch	set				
	5.0 Lighting Fixtures Recessed LED Down Light	- l				
	2 - 9 w LED Luminaire Lamp	set set				
	2 - 32 w Fluorescent Dust Proof LED Light	set				
	Exit Light	set				
	AA DANEI DOADDO					
	6.0 PANEL BOARDS PPB	0000				
	Main : 60AT/100AF,3P, 230 V	assy				
	In NEMA 1 Surface mounted					
	7.0 ENCLOSED CIRCUIT BREAKER					
	MCB					
	6A,2P,230V	assy				
	3RD FLOOR AND ROOF DECK FLOOR					
	A Lighting and Power System					
	1.0 Conduit Pipes for roughing installation					
	1.3 EMT Pipe w/ coupling					
	65mm Ø	L				
	1.4 EMT Elbow					
	65mm Ø	pcs				
	4.5. EMT Look Net and Dunking					
	1.5 EMT Lock Nut and Bushing 32mm Ø	pcs				
	65mm Ø	pcs				
	202					
	2.0 Boxes and Flexible Conduit					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16 4x4 square box with cover #16	pcs pcs				
	15mm diameter Flexible Metalic Conduit	m pos				
	15mm diameter Flexible connector	pcs				
	1000sqmmx600mm Pullboxes	pcs				
	400sqmmx300mm Pullboxes	pcs				
	3.0 Wires & Cables THHN stranded					
	3.5mm²	m				
	8.0mm²	m				
	14mm²	m				
	22mm²	m				
	30mm²	m				
	125mm²	m				
	4.0 Wiring Device					
	Simplex Convenience Outlet	set				
	Duplex Convenience Outlet	set				
	Weather Proof Outlet Duplex Convenience GFCI Outlet	set				
	Floor Mounted Duplex Outlet	set set				
	Special Outlet (twist lock)	set				
	One gang Switch	set				
	Two gang Switch	set				
	Three gang Switch	set				

ITEM	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	5.0 Lighting Fixtures	Jill	W(II	5.41 5551	- ANOON I	IOIAL
	Recessed LED Down Light	set				
	2 - 9 w LED Luminaire Lamp	set				
	2 - 32 w Fluorescent Dust Proof LED Light	set				
	Cove light T5 Weather Proof	set				
	Exit Light	set				
	6.0 PANEL BOARDS					
	PP3F	assy				
	Main : 60AT/100AF,3P, 230V					
	In NEMA 1 Surface mounted PPRD1	2001				
	Main : 225AT/250AF,3P, 230 V	assy				
	In NEMA 1 Surface mounted					
	PPRD2	assy				
	Main: 70AT/100AF,3P, 230V					
	In NEMA 1 Surface mounted					
	7.0 ENCLOSED CIRCUIT BREAKER					
	мсв					
	6A,2P,230V	assy				
	NEMA 3R	20				
	20A,2P,ECB,230V 60A,3P,ECB,230V	assy				
	100 A,3P,ECB,230V	assy				
	125A,3P,ECB,230V	assy				
C.5	AUXILIARY WORKS					
	A Structured Cabling BASEMENT TO GROUND FLOOR LEVEL					
	3.0 Voice and Data Cables					
	4-PAIR CAT-6/6A UTP	m				
	4 Core Multi Mode Fiber Optic Cable	m				
	4.0 Voice , Data and Intercom Devices and Equipment					
	4.1 Wireless Access Point	set				
	4.2 Modular Type Voice Outlet, Floor mounted	pcs				
	4.3 Duplex Modular Type Data and Voice Outlet, Floor mounted	pcs				
	4.4 Duplex Modular Type Data and Voice Outlet, wall mounted	pcs				
	4.5 Main Distribution Frame	pcs				
	4.6 Intermediate Distribution Frame 4.7 TTC	pcs				
	4.8 Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	3.0 Voice and Data Cables					
	4-PAIR CAT-6/6A UTP 4 Core Multi Mode Fiber Optic Cable	m m				
	·	1				
	4.0 Voice , Data and Intercom Devices and Equipment 4.1 Wireless Access Point	- Cot				
	4.1 Wireless Access Point 4.2 Modular Type Voice Outlet, Floor mounted	set pcs				
	4.3 Duplex Modular Type Data and Voice Outlet, Floor mounted	pcs				
	4.4 Duplex Modular Type Data and Voice Outlet, Pilot mounted	<u> </u>				
	4.4 Duplex Modular Type Data and Voice Outlet, wall mounted 4.5 Testing and Commissioning	pcs M-Hr				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	3.0 Voice and Data Cables					
	4-PAIR CAT-6/6A UTP	m				
	4 Core Multi Mode Fiber Optic Cable	m				
	4.0 Voice , Data and Intercom Devices and Equipment					
	4.1 Wireless Access Point 4.2 Modular Type Voice Outlet, Floor mounted	set				
		pcs				
	4.4 Duplex Modular Type Data and Voice Outlet, wall mounted	pcs				
	4.5 Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			

NO.		Unit	QTY	UNIT COST	AMOUNT	TOTAL
	B. Closed Circuit Television System					
	BASEMENT TO GROUND FLOOR LEVEL					
	3.0 CCTV Cables					
	3.1 4-PAIR CAT-6/6A UTP	m				
	3.2 4C Multi- Mode Fiber	m				
	4.0 CCTV Equipment					
	4.1 Fixed Interior Wall Mtd CCTV Camera (2MP)	set				
	4.2 Fixed Interior Ceiling Mtd CCTV Camera (2MP) 4.4 PTZ Interior Ceiling Mtd CCTV Camera (2MP)	set set				
	4.5 CCTV Core Switch	pcs				
	4.6 Network Video Recorder	pcs				
	4.7 Monitor	pcs				
	4.8 Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	3.0 CCTV Cables					
	3.1 4-PAIR CAT-6/6A UTP 3.2 4C Multi- Mode Fiber	m m				
	3.2 40 Main-Mode Fibel	m				
	4.0 CCTV Equipment					
	4.1 Fixed Interior Ceiling Mtd CCTV Camera (2MP)	set				
	4.2 Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	3.0 CCTV Cables					
	3.1 4-PAIR CAT-6/6A UTP	m				
	3.2 4C Multi- Mode Fiber	m				
	40 CCTV Equipment					
	4.0 CCTV Equipment 4.1 Fixed Interior Ceiling Mtd CCTV Camera (2MP)	set				
	4.2 Testing and Commissioning	M-Hr				
	50 Ourselles (Ochurt Oct Oliver Tours)		4.00			
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	C. FIRE DETECTION AND ALARM SYSTEM					
	BASEMENT TO GROUND FLOOR LEVEL					
	3.0 FDAS Cables					
	3.1 #16 AWG TF Shielded Pair	m				
	3.2 0.50mmø PE INSULATED TEL. WIRE	m				
	4.0 EDAS Equipment					
	4.0 FDAS Equipment 4.1 Fire Alarm Control Panel	set				
	4.2 Fire Alarm Pullbox	set				
	4.3 Conventional Smoke Detector	set				
	4.4 Addressable Smoke Detector	set				
	4.5 Addressable Heat Detector 4.7 Addressable Manual Pull Station	set set				
	4.8 Fireman's Telephone Jack	set				
	4.9 Fire Alarm Bell	set				
	4.10 Horn with Strobe	set				
	4.11 Monitor Module for Input Device 4.13 Flow Switch	set set				
	4.14 Supervisory Switch	set				
	4.15 Annunciator	pcs				
	4.16 End of Line Resistor 4.17 Testing and Commissioning	pcs M-Hr				
			1.00			
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	3.0 FDAS Cables					
	3.0 FDAS Cables 3.1 #16 AWG TF Shielded Pair	m				
	3.2 0.50mmø PE INSULATED TEL. WIRE	m				

ITEM	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	4.0 FDAS Equipment					
	4.1 Fire Alarm Pullbox	set				
	4.2 Conventional Smoke Detector	set				
	4.3 Addressable Smoke Detector	set				
	4.4 Addressable Heat Detector	set				
	4.5 Addressable Manual Pull Station	set				
	4.6 Fireman's Telephone Jack	set				
	4.7 Fire Alarm Bell	set				
	4.8 Horn with Strobe	set				
	4.9 Monitor Module for Input Device	set				
	4.10 Addreable Module for Conventional Device 4.11 Flow Switch	set				
	4.11 Flow Switch 4.12 Supervisory Switch	set				
	4.13 Annunciator	pcs				
	4.14 End of Line Resistor	pcs				
	4.15 Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	Solvent, Gas, Grane, Tapes)	101	1.00			
	3RD TO ROOF DECK FLOOR LEVEL					
	3.0 FDAS Cables					
	3.0 FDAS Cables 3.1 #16 AWG TF Shielded Pair	m				
	3.1 #16 AWG IF Shielded Pair 3.2 0.50mmø PE INSULATED TEL. WIRE	m m				
	VIL TITLE THE TELL THE	""				
	4.0 FDAS Equipment					
	4.1 Fire Alarm Pullbox	set				
	4.2 Conventional Smoke Detector	set				
	4.3 Addressable Smoke Detector	set				
	4.4 Addressable Heat Detector	set				
	4.5 Addressable Manual Pull Station	set				
	4.6 Fireman's Telephone Jack	set				
	4.7 Fire Alarm Bell	set				
	4.8 Horn with Strobe	set				
	4.9 Monitor Module for Input Device	set				
	4.10 Addreable Module for Conventional Device 4.11 Flow Switch	set				
	4.11 Flow Switch 4.12 Supervisory Switch	set set				
	4.12 Supervisory Switch 4.13 Annunciator	pcs				
	4.14 End of Line Resistor	pcs				
	4.15 Testing and Commissioning	M-Hr				
	3 3					
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	D PA-BGM					
	BASEMENT TO GROUND FLOOR LEVEL					
	3.0 PA-BGM Wire					
	2.1 #16 AWG TF Shielded Pair	m				
	4.0 PA-BGM DEVICE AND EQUIPMENT					
	4.1 PABGM System Management Amplifier w/ fabricated door & rack	unit				
	4.2 Remote Microphone	unit				
	4.3 Voice Announcement	unit				
	4.4 Digital Announcer Pre- Recorded Voice 4.5 Volume Controller	unit				
	4.6 Audio Controller					
	4.6 Audio Controller 4.7 Ceiling mounted Loud Speaker	unit				
	4.8 Wall mounted Loud Speaker	set				
	4.9 Testing and Commissioning	M-Hr				
	·					
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
-+	2ND FLOOR LEVEL					
	3.0 PA-BGM Wire					
	3.1 #16 AWG TF Shielded Pair	m				
	4.0 PA-BGM DEVICE AND EQUIPMENT					
	4.1 Ceiling mounted Loud Speaker	set				
	4.2 Testing and Commissioning	M-Hr				
	F.O. Camarimahlas / Calvert Con. Olivert T.	1				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	3RD TO ROOF DECK FLOOR LEVEL					
-+	THE TOTAL PROPERTY OF THE PROP					
		-				

ITEM	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	3.0 PA-BGM Wire	+				
	#16 AWG TF Shielded Pair	m				
	4.0 PA-BGM DEVICE AND EQUIPMENT					
	4.7 Ceiling mounted Loud Speaker	set				
	Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	E ACCESS CONTROL SYSTEM					
	BASEMENT TO GROUND FLOOR LEVEL					
	3.0 ACS Cables					
	#16 AWG TF Shielded Pair	m				
	4-PAIR CAT-6/6A UTP	m				
	4.0 Access Control Device and Equipment					
	4.1 Main Access Control Panel	assy				
	4.2 Access Control Panel	pcs				
	4.3 Input Module 4.4 Door Contact	pcs				
	4.5 Exit Push Button	pcs				
	4.6 Card Reader Module	pcs				
	4.7 Card Reader	pcs				
	4.8 Electromagnetic Lock 4.8 Biometrix	pcs				
	Testing and Commissioning	M-Hr				
	50 Oursey-block Out 1 2 Civil -					
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	3.0 ACS Cables #16 AWG TF Shielded Pair					
	4-PAIR CAT-6/6A UTP	m m				
	4.0 Access Control Device and Equipment					
	4.3 Input Module 4.4 Door Contact	pcs				
	4.5 Exit Push Button	pcs				
	4.6 Card Reader Module	pcs				
	4.7 Card Reader	pcs				
	4.8 Electromagnetic Lock 4.8 Biometrix	pcs				
	Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	3.0 ACS Cables					
	#16 AWG TF Shielded Pair	m				
	4-PAIR CAT-6/6A UTP	m				
	A.O. Access Control Daviss and Equipment					
	4.0 Access Control Device and Equipment 4.1 Input Module	pcs				
	4.2 Door Contact	pcs				
	Testing and Commissioning	M-Hr				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
			1.30			
	F CABLE TRAY					
	GROUND FLOOR Cable Tray - 100mm x 100mm	L				
	Cable Tray elbow 90° horizontal	pcs				
	Cable Tray elbow 90° vertical inward	pcs				
	Cable Tray elbow 90° vertical outward Cable Tray elbow T Shape	pcs				
	Cable Tray elbow 1 Snape Cable Tray connector	pcs				
	2ND FLOOR					
	Cable Tray - 100mm x 100mm	L				
	Cable Tray elbow 90° horizontal Cable Tray elbow 90° vertical inward	pcs pcs				
	Cable Tray elbow 90° vertical inward Cable Tray elbow 90° vertical outward	pcs				
	Cable Tray elbow T Shape	pcs				
	Cable Tray connector	pcs				

ITEM	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	3RD FLOOR					12
	Cable Tray - 100mm x 100mm	L				
	Cable Tray elbow 90° horizontal	pcs				
	Cable Tray elbow 90° vertical inward	pcs				
	Cable Tray elbow 90° vertical outward	pcs				
	Cable Tray elbow T Shape	pcs				
	Cable Tray connector	pcs				
C.6	PLUMBING AND SANITARY WORKS					
	BASEMENT FLOOR LEVEL					
	C.6A Water Line System					
	1.16 Appurtences					
	Shower Accessories Lavatory Counter Top	set set				
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	TIOSC DID	301				
	3RD FLOOR & ROOF DECK FLOOR					
	1.0 Potable Lateral Water Lines & Roughing-in of Toilets					
	1.1 GI Pipes Sch 40					
	50 mmØ x 6mtrs	lgth				
	40 mmØ x 6mtrs	lgth				
	1.2 Coupling					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.3 Tee Connector					
	50 mm x 50 mm Ø	pc/s				
	50 mm x 32 mm Ø	pc/s				
	40 mm x 40 mm Ø	pc/s				
	40 mm x 32 mm Ø	pc/s				
	1.4 Elbow					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.5 Reducer					
	50mmØ x 32 mmØ	pc/s				
	40mmØ x 32 mmØ	pc/s				
	1.6 PPR Pipes PN 16					
	32 mmØ x 4mtrs	lgth				
	25 mmØ x 4mtrs	lgth				
	20 mmØ x 4mtrs	lgth				
	1.7 Coupling 32 mmØ	20/0				
	25 mmØ	pc/s				
	20 mmØ	pc/s pc/s				
	1.8 Tee Connector	pc/3				
	32 mmØ x 32 mmØ	pc/s				
	32 mmØ x 25 mmØ	pc/s				
	25 mmØ x 25 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	20 mmØ x 20 mmØ	pc/s				
	1.9 Elbow	F-7-				
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.10 Female Adaptor					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	15 mmØ	pc/s				
	1.11 Male Adaptor					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.12 Reducer					
	32 mmØ x 25 mmØ	pc/s				
	32 mmØ x 20 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	1.13 End Cap					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	1.14 Wye Strainer (Brass)					
	50 mmØ	pc/s				

ITEM	PEOCEIPEIO:		277/	LIMP OCC	*******	TOT ::
NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	1.15 Check Valve (Brass)	,				
	50 mmØ 1.16 Float Valve	pc/s				
	50 mmØ	pc/s				
	1.17 Gate Valve (Brass)	ρο/3				
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.18 Appurtences					
	Lavatory Counter Top	set				
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	Pumps & Tanks Elevated Water Tanks and Booster Pumps					
	BESTANK STAINLESS STEEL TANK (HORIZONTALTYPE)	·				
	10,500 L (3.06 x 2.45 x 2.53) m	Unit				
	Booster Pump - Horizontal Centrifugal triplex End Suction Closed Coupled to Electric Motor on a common base P - 5.0 HP w/ Pump Controler, Bladder and water Level Indicators	Unit				
	Hangers/Support & Consumable Materials	lot	1.00			
	1.19 Testing and Commisioning	m-hr				
	· · · · · · · · · · · · · · · · · · ·	1				
C.7	MECHANICAL WORKS & HVAC SYSTEM					
	BASEMENT TO GROUND					
B.16	HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)					
	FAN SCHEDULE TEF-81-01	sets				
	TEF-1-01	sets				
	12.101					
B.16.3	TESTING AND COMMISSIONING					
	Testing and Commissioning	m-hr				
D 40	SECOND FLOOR TO THIRD FLOOR LEVEL HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)					
B.16	HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)					
	FAN SCHEDULE					
	TEF-2-01	sets				
B.16.3	TESTING AND COMMISSIONING	ļ.,				
	Testing and Commissioning	m-hr				
	THIRD FLOOR TO ROOF DECK LEVEL					
B.16	HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)					
	FAN SCHEDULE					
	TEF-3-01	sets				
	FAF-R-01	sets				
	STAIRWELL PRESSUDIZATION FAN					
	STAIRWELL PRESSURIZATION FAN SPF-R-01	sets				
		T				
	SMOKE EXHAUST FAN					
	SEF-R-01	sets				
B.16.3	TESTING AND COMMISSIONING					
	Testing and Commissioning	m-hr				
	<u> </u>					
C.8	FIRE PROTECTION SYSTEM					
	DAGEMENT TO OBOUNT					
C 8 4	BASEMENT TO GROUND Water-based Fire Suppression Systems					
C.8.1	Water-based Fire Suppression Systems Wet Pipe & Sprinkler Piping System					
	BI Pipes:					
	100 mm dia. X 6 mts	pcs				
	75 mm dia x 6 mts	pcs				
	65 mm dia x 6 mts	pcs				
	50 mm dia x 6 mts	pcs				
	40 mm dia x 6 mts	pcs				
	32 mm dia x 6 mts	pcs				
	25 mm dia. x 6 mts.	pcs				
	BI Threaded Pipes and Fiitings	lot	1.00			
BILL OF QUA	NTITIFS Pag	e 9 of 14				ACADEMIC BUILDING

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	BI Welded Pipes and Fiitings	lot	1.00			
	Consumables	lot	1.00			
	Concumance	100	1.00			
	BI Fittings					
	Elbow, 100mm	pcs				
	Elbow, 40mm	pcs				
	Elbow, 25mm	pcs				
	Tee,100mm	pcs				
	Tee,50mm	pcs				
	Tee,40mm	pcs				
	Tee,25mm	pcs				
	Tee, 100x50 mm	pcs				
	Tee, 100x40mm	pcs				
	Reducer, 75mm x 65 mm	pcs				
	Reducer, 75mm x 50 mm	pcs				
	Reducer, 65mm x 50 mm	pcs				
	Reducer, 65mm x 40 mm	pcs				
	Reducer, 50mm x 40 mm	pcs				
	Reducer, 50mm x 25 mm	pcs				
	Reducer, 40mm x 30 mm	pcs				
	Reducer, 40mm x 25 mm	pcs				
	Reducer, 32mm x 25 mm	pcs				
	End Cap, 40mm	pcs				
	ITC	pcs				
	Hangers and Support	set				
	Valves, Sprinkler Heads & Appurtenances					
	Sprinkler Heads, Pendent	pcs				
	Sprinkler Heads, Fide Type	pcs				
	100mm Diameter SUPERVISORY SWITCH	pcs				
	100mm BI pipe	pcs				
	100mm Diameter TEE	pcs				
	100mm Check Valve	pcs				
	100mm Mechanical Groove	pcs				
	100x25mm Tee Reducer	pcs				
	25mm Tee	pcs				
	25mm Test Valve	pcs				
	25mm Section Drian Valve	pcs				
	25mm Sight Glass	pcs				
	25mm Union Patente	pcs				
	25mm Elbow90	pcs				
	25mm BI pipe	pcs				
	Sprinkler Monitoring System	lot	1.00			
	Sprinkler Fittings					
	Pendent					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	25mm Tee	pcs				
	25x15mm Coupling	pcs				
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	Wet Bire & Ornitation Birth Co. (1) Bir					
	Wet Pipe & Sprinkler Piping System Riser					
	BI Pipes & Fittings					
	100mm dia. x 6 mts.	pcs				
	Elbow, 100mm	pcs				
	Tee Reducer, 100mm x 65 mm	pcs				-
	Victaulic Couling, 100mm	pcs				

ITEM	DESCRIPTION	Unit	OTV	UNIT COST	AMOUNT	TOTAL
NO.		Unit	QTY	UNII COST	AMOUNT	TOTAL
	Slip-on Flange, 100mm	pcs				
	Blind Flange 100 mm	pcs				
	Valves & Accessories					
	Fire Hose Valve,65 mm w/ cap	pcs				
	Fire Hose Cabinets	set				
	Fire Department Connection	pcs				
	Water Flow Switches; complete in-place					
	100mm Diameter	pcs				
	25mm Auxillary Drain Valve Assembly	pcs				
	50mm DL Stack	pcs				
	Accessories Alarm Check Valve assembly					
	100mm Diameter Alarm Check Valve assembly	pcs				
	20mm Elbow 90	pcs				
	20mm Tee	pcs				
	40x20mm Tee	pcs				
	20mm Coupling	pcs				
	20mm Ball Valve	pcs				
	20mm Swing Check Valve	pcs				
	20m 3-Way Valve	pcs				
	20mm CO	pcs				
	20mm Union Patente	pcs				
	90mm Water Gauge (300 Psi)	pcs				
	20mm Wye Strainer	pcs				
	40mm Angle Valve	pcs				
	40mm Close Nipple	pcs				
	20mm Close Nipple	pcs				
	254l x 20mm Ø Nipple	pcs				
	190l x 20mm Ø Gi Nipple	pcs				
	100l x 20mm Ø Nipple	pcs				
	90l x 40mm Ø Nipple	pcs				
	90l x 20mm Ø Nipple	pcs				
	50l x 20mm Ø Nipple	pcs				
	40l x 20mm Ø Nipple Pressure Release Valve	pcs				
	Pressure Release Valve	pcs				
CR2	Fire Extinguishing Systems					
0.8.2	Dry- Chemical Extinguishing Systems					
	10LBS PFE FE-36	set				
	1000011010-00	361				
C.8.4	Testing and Commissioning					
3.0.4	Testing and Commissioning Testing and Commissioning	m-hr				
	roomy and commoduting	111-111				
	SECOND FLOOR					
C.8.1	Water-based Fire Suppression Systems					
<u> </u>	Wet Pipe & Sprinkler Piping System					
	BI Pipes:					
	100 mm dia. X 6 mts	pcs				
	50 mm dia x 6 mts	pcs				
	40 mm dia x 6 mts	pcs				
	32 mm dia x 6 mts	pcs				
	25 mm dia. x 6 mts.	pcs				
	BI Threaded Pipes and Fiitings	lot	1.00			
	BI Welded Pipes and Fiitings	lot	1.00			
	Consumables	lot	1.00			
	I	1	1	L	1	l

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	BI Fittings					
	Elbow, 100mm	pcs				
	Elbow, 40mm	pcs	<u> </u>			
	Elbow, 25mm	pcs				
	Tee,100mm	pcs				
	Tee,50mm	pcs				
	Tee,40mm	pcs				
	Tee,25mm	pcs				
	Tee, 100x50 mm	pcs				
	Tee, 100x40mm	pcs				
	Reducer, 50mm x 40 mm	pcs				
	Reducer, 50mm x 25 mm	pcs				
	Reducer, 40mm x 30 mm	pcs				
	Reducer, 40mm x 25 mm	pcs				
	Reducer, 32mm x 25 mm	pcs				
	End Cap, 40mm	pcs				
	ITC	pcs				
	Hangers and Support	set				
	Valves, Sprinkler Heads & Appurtenances					
	Sprinkler Heads, Pendent	pcs				
	Sprinkler Heads, Side Type	pcs				
	100mm Diameter SUPERVISORY SWITCH	pcs				
	100mm BI pipe	pcs				
	100mm Diameter TEE	pcs				
	100mm Check Valve	pcs				
	100mm Mechanical Groove	pcs				
	100x25mm Tee Reducer	pcs				
	25mm Tee	pcs				
	25mm Test Valve	pcs				
	25mm Section Drian Valve	pcs				
	25mm Sight Glass	pcs				
	25mm Union Patente	pcs				
	25mm Elbow90	pcs				
	25mm BI pipe	pcs				
	Sprinkler Fittings					
	Pendent					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	25mm Tee	pcs				
	25x15mm Coupling	pcs				
	Side Wall					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	Wat Pina & Sprinklar Pining System Picer					
	Wet Pipe & Sprinkler Piping System Riser BI Pipes & Fittings					
	100mm dia. x 6 mts.	pcs				
	Elbow, 100mm	pcs				
	Tee Reducer, 100mm x 65 mm	pcs				
	Victaulic Couling, 100mm	pcs				
	Slip-on Flange, 100mm	pcs				
	Blind Flange 100 mm	pcs				
		'				
	Valves & Accessories					
	Fire Hose Valve,65 mm w/ cap	pcs				
	Fire Hose Cabinets	set				

Name Plane Stutchines; complete in episons	ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
		Water Flow Switches: complete in-place					
Sent Authory Journ Valve Assembly 956			nes				
C.R.2 The Estinguishing Systems			-				
C.B.2 Fire Estinguishing Systems							
Dyp-Chemical Extinguishing Systems		JUIIIII DE Stack	pcs				
Dyp-Chemical Extinguishing Systems	C 8 2	Fire Fytinguishing Systems					
C.S.A Testing and Commissioning	0.0.2						
C.8.4 Testing and Commissioning			cot				
Testing and Commissioning		IULDS PFE FE-30	Set				
Testing and Commissioning	C 0 4	Testing and Commissioning					
NHAD FLOOR AND ROOF DECK	C.6.4		m hr				
C.6.1 Water-based Fire Supmission Systems ### Pipes Sprinkter Piping System Piping System		resung and commissioning	111-111				
C.8.1 Water-based Fire Suppression Systems ### Pipes: 100 mm da x 6 mts		THIRD ELOOP AND BOOK DECK					
Weet Pipes & Sprinkler Piping System BI Pipes							
BI Pipes:	C.8.1	**					
100 mm dia X 6 mts							
50 mm dia x 6 mis		•					
40 mm dia x 6 mts							
32 mm dia x 6 mts pos							
25 mm dia x 6 mts.							
BI Threaded Pipes and Fittings							
B Welded Pipes and Filtings							
Consumables							
Bi Fittings			lot				
Elbow, 40mm		Consumables	lot	1.00			
Elbow, 40mm							
Elbow, 40mm							
Elibow, 25mm		Elbow, 100mm	pcs				
Tee,100mm			pcs				
Tee, 50mm			pcs				
Tea_40mm			pcs				
Tee, 100x50 mm			pcs				
Tee, 100x50 mm Tee, 100x40mm pcs Reducer, 50mm x 40 mm pcs Reducer, 50mm x 25 mm pcs Reducer, 40mm x 25 mm pcs Reducer, 40mm x 25 mm pcs Reducer, 30mm x 25 mm pcs Reducer, 30mm x 25 mm pcs Reducer, 30mm x 25 mm pcs End Cap, 40mm pcs ITC pcs Hangers and Support set Valves, Sprinkler Heads & Appurtenances Sprinkler Heads, Side Type pcs 100mm Diameter SUPERVISORY SWITCH pcs 100mm Diameter SUPERVISORY SWITCH pcs 100mm Diameter TEE pcs 100mm Mechanical Groove pcs 100mm Mechanical Groove pcs 25mm Tee pcs 25mm Tee Reducer pcs 25mm Section Drian Valve pcs		Tee,40mm	pcs				
Tee, 100x40mm		Tee,25mm	pcs				
Tee, 100x40mm							
Reducer, 50mm x 40 mm			pcs				
Reducer, 50mm x 25 mm		*	pcs				
Reducer, 40mm x 30 mm			pcs				
Reducer, 40mm x 25 mm			pcs				
Reducer, 32mm x 25 mm			pcs				
End Cap, 40mm		Reducer, 40mm x 25 mm	pcs				
ITC			pcs				
Hangers and Support set			pcs				
Valves, Sprinkler Heads & Appurtenances Sprinkler Heads, Pendent pcs Sprinkler Heads, Side Type pcs 100mm Diameter SUPERVISORY SWITCH pcs 100mm Bl pipe pcs 100mm Diameter TEE pcs 100mm Check Valve pcs 100mm Mechanical Groove pcs 100x25mm Tee Reducer pcs 25mm Test Valve pcs 25mm Section Drian Valve pcs 25mm Sight Glass pcs			pcs				
Sprinkler Heads, Pendent pcs Sprinkler Heads, Side Type pcs 100mm Diameter SUPERVISORY SWITCH pcs 100mm BI pipe pcs 100mm Diameter TEE pcs 100mm Check Valve pcs 100mm Mechanical Groove pcs 100x25mm Tee Reducer pcs 25mm Tee pcs 25mm Test Valve pcs 25mm Section Drian Valve pcs 25mm Sight Glass pcs		Hangers and Support	set				
Sprinkler Heads, Pendent pcs Sprinkler Heads, Side Type pcs 100mm Diameter SUPERVISORY SWITCH pcs 100mm BI pipe pcs 100mm Diameter TEE pcs 100mm Check Valve pcs 100mm Mechanical Groove pcs 100x25mm Tee Reducer pcs 25mm Tee pcs 25mm Test Valve pcs 25mm Section Drian Valve pcs 25mm Sight Glass pcs							
Sprinkler Heads, Side Type pcs 100mm Diameter SUPERVISORY SWITCH pcs 100mm BI pipe pcs 100mm Diameter TEE pcs 100mm Check Valve pcs 100mm Mechanical Groove pcs 100x25mm Tee Reducer pcs 25mm Tee pcs 25mm Test Valve pcs 25mm Section Drian Valve pcs 25mm Sight Glass pcs							
100mm Diameter SUPERVISORY SWITCH pcs			pcs				
100mm BI pipe			pcs				
100mm Diameter TEE			pcs				
100mm Check Valve			pcs				
100mm Mechanical Groove		100mm Diameter TEE	pcs				
100x25mm Tee Reducer		100mm Check Valve	pcs				
25mm Tee pcs 25mm Test Valve pcs 25mm Section Drian Valve pcs 25mm Sight Glass pcs		100mm Mechanical Groove	pcs				
25mm Test Valve pcs 25mm Section Drian Valve pcs 25mm Sight Glass pcs		100x25mm Tee Reducer	pcs				
25mm Section Drian Valve pcs 25mm Sight Glass pcs		25mm Tee	pcs				
25mm Sight Glass pcs		25mm Test Valve	pcs				
		25mm Section Drian Valve	pcs				
		25mm Sight Glass	pcs				
25mm Union Patente pcs		25mm Union Patente	pcs				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	25mm Elbow90	pcs				
	25mm BI pipe	pcs				
	Sprinkler Fittings					
	Pendent					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	25mm Tee	pcs				
	25x15mm Coupling	pcs				
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	Wet Pipe & Sprinkler Piping System Riser					
	BI Pipes & Fittings					
	100mm dia. x 6 mts.	pcs				
	Elbow, 100mm	pcs				
	Tee Reducer, 100mm x 65 mm	pcs				
	Victaulic Couling, 100mm	pcs				
	Slip-on Flange, 100mm	pcs				
	Blind Flange 100 mm	pcs				
	Valves & Accessories					
	Fire Hose Valve,65 mm w/ cap	pcs				
	Fire Hose Cabinets	set				
	Fire Department Connection	pcs				
	Water Flow Switches; complete in-place					
	100mm Diameter	pcs				
	25mm Auxillary Drain Valve Assembly	pcs				
	50mm DL Stack	pcs				
C.8.2	Fire Extinguishing Systems					
	Dry- Chemical Extinguishing Systems					
	10LBS PFE FE-36	set				
C.8.4	Testing and Commissioning					
	Testing and Commissioning	m-hr				
	TOTAL PRO ITOT MANUEL					
	TOTAL PROJECT AMOUNT					-

PREPARED BY:	
Contractor's Authorized Representative's Name and Signature	Contractor's Name
	Address
	Contact No.(s)
	Date