



PROJECT: COMPLETION OF ACADEMIC BUILDING II  
 LOCATION: BRGY, RIZAL, ODIONGAN, ROMBLON  
 OWNER: Philippine Science High School - MIMAROPA Region Campus  
 SUBJECT: BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
<b>C.0</b>	<b>GENERAL REQUIREMENTS</b>					
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			
<b>C.3</b>	<b>ARCHITECTURAL WORKS</b>					
	<b>BASEMENT TO GROUND FLOOR LEVEL</b>					
<b>1.0</b>	<b>MASONRY WORKS/DRYWALL PARTITION</b>					
d.	Skimcoating	sq.m				
<b>2.0</b>	<b>FINISHES</b>					
<b>2.1</b>	<b>Floor Finishes (Basement Floor)</b>					
a.	±50mm corrective Floor topping	sq.m				
b.	FF-1; 600x600mm Homogenous tiles (polished) with tile grout 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				
<b>2.2</b>	<b>Wall Finishes (Basement Floor)</b>					
a.	300x300mm Homogenous tile (non-skid)	sq.m				
<b>2.3</b>	<b>Ceiling Finishes</b>					
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	sq.m				
<b>3.0</b>	<b>PAINTING WORKS</b>					
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				
<b>5.0</b>	<b>OPENINGS (Basement Floor)</b>					
<b>5.1</b>	<b>Doors and Jambs</b>					
WD-01	900mm W x 2100mm H Hollow core framed wood door, single leaf	set				
SD-01	1000mm 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	1000mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
<b>7.0</b>	<b>MISCELLANEOUS WORKS (Basement Floor)</b>					
b.	Toilet Partitions with Door panel & accessories	m				
c.	Urinal Partitions; Phenolic board	ea				



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

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>5.0 Lighting Fixtures</b>					
	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				
	<b>6.0 PANEL BOARDS</b>					
	<b>PP3F</b>	assy				
	Main : 60AT/100AF,3P, 230V					
	In NEMA 1 Surface mounted					
	<b>PPRD1</b>	assy				
	Main : 225AT/250AF,3P, 230 V					
	In NEMA 1 Surface mounted					
	<b>PPRD2</b>	assy				
	Main : 70AT/100AF,3P, 230V					
	In NEMA 1 Surface mounted					
	<b>7.0 ENCLOSED CIRCUIT BREAKER</b>					
	<b>MCB</b>					
	6A,2P,230V	assy				
	<b>NEMA 3R</b>					
	20A,2P,ECB,230V	assy				
	60A,3P,ECB,230V	assy				
	100 A,3P,ECB,230V	assy				
	125A,3P,ECB,230V	assy				
<b>C.5</b>	<b>AUXILIARY WORKS</b>					
	<b>A Structured Cabling</b>					
	<b>BASEMENT TO GROUND FLOOR LEVEL</b>					
	<b>3.0 Voice and Data Cables</b>					
	4-PAIR CAT-6/6A UTP	m				
	4 Core Multi Mode Fiber Optic Cable	m				
	<b>4.0 Voice , Data and Intercom Devices and Equipment</b>					
	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	pcs				
	4.7 TTC	pcs				
	4.8 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>2ND FLOOR LEVEL</b>					
	<b>3.0 Voice and Data Cables</b>					
	4-PAIR CAT-6/6A UTP	m				
	4 Core Multi Mode Fiber Optic Cable	m				
	<b>4.0 Voice , Data and Intercom Devices and Equipment</b>					
	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 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>3RD FLOOR LEVEL</b>					
	<b>3.0 Voice and Data Cables</b>					
	4-PAIR CAT-6/6A UTP	m				
	4 Core Multi Mode Fiber Optic Cable	m				
	<b>4.0 Voice , Data and Intercom Devices and Equipment</b>					
	4.1 Wireless Access Point	set				
	4.2 Modular Type Voice Outlet, Floor mounted	pcs				
	4.4 Duplex Modular Type Data and Voice Outlet, wall mounted	pcs				
	4.5 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
<b>B.</b>	<b>Closed Circuit Television System</b>					
	<b>BASEMENT TO GROUND FLOOR LEVEL</b>					
<b>3.0</b>	<b>CCTV Cables</b>					
3.1	4-PAIR CAT-6/6A UTP	m				
3.2	4C Multi- Mode Fiber	m				
<b>4.0</b>	<b>CCTV Equipment</b>					
4.1	Fixed Interior Wall Mtd CCTV Camera (2MP)	set				
4.2	Fixed Interior Ceiling Mtd CCTV Camera (2MP)	set				
4.4	PTZ Interior Ceiling Mtd CCTV Camera (2MP)	set				
4.5	CCTV Core Switch	pcs				
4.6	Network Video Recorder	pcs				
4.7	Monitor	pcs				
4.8	Testing and Commissioning	M-Hr				
<b>5.0</b>	<b>Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>2ND FLOOR LEVEL</b>					
<b>3.0</b>	<b>CCTV Cables</b>					
3.1	4-PAIR CAT-6/6A UTP	m				
3.2	4C Multi- Mode Fiber	m				
<b>4.0</b>	<b>CCTV Equipment</b>					
4.1	Fixed Interior Ceiling Mtd CCTV Camera (2MP)	set				
4.2	Testing and Commissioning	M-Hr				
<b>5.0</b>	<b>Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>3RD FLOOR LEVEL</b>					
<b>3.0</b>	<b>CCTV Cables</b>					
3.1	4-PAIR CAT-6/6A UTP	m				
3.2	4C Multi- Mode Fiber	m				
<b>4.0</b>	<b>CCTV Equipment</b>					
4.1	Fixed Interior Ceiling Mtd CCTV Camera (2MP)	set				
4.2	Testing and Commissioning	M-Hr				
<b>5.0</b>	<b>Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
<b>C.</b>	<b>FIRE DETECTION AND ALARM SYSTEM</b>					
	<b>BASEMENT TO GROUND FLOOR LEVEL</b>					
<b>3.0</b>	<b>FDAS Cables</b>					
3.1	#16 AWG TF Shielded Pair	m				
3.2	0.50mmØ PE INSULATED TEL. WIRE	m				
<b>4.0</b>	<b>FDAS Equipment</b>					
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	set				
4.7	Addressable Manual Pull Station	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	set				
4.13	Flow Switch	set				
4.14	Supervisory Switch	set				
4.15	Annunciator	pcs				
4.16	End of Line Resistor	pcs				
4.17	Testing and Commissioning	M-Hr				
<b>5.0</b>	<b>Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>2ND FLOOR LEVEL</b>					
<b>3.0</b>	<b>FDAS Cables</b>					
3.1	#16 AWG TF Shielded Pair	m				
3.2	0.50mmØ PE INSULATED TEL. WIRE	m				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>4.0 FDAS Equipment</b>					
	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	set				
	4.11 Flow Switch	set				
	4.12 Supervisory Switch	set				
	4.13 Annunciator	pcs				
	4.14 End of Line Resistor	pcs				
	4.15 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>3RD TO ROOF DECK FLOOR LEVEL</b>					
	<b>3.0 FDAS Cables</b>					
	3.1 #16 AWG TF Shielded Pair	m				
	3.2 0.50mmØ PE INSULATED TEL. WIRE	m				
	<b>4.0 FDAS Equipment</b>					
	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	set				
	4.11 Flow Switch	set				
	4.12 Supervisory Switch	set				
	4.13 Annunciator	pcs				
	4.14 End of Line Resistor	pcs				
	4.15 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>D PA-BGM</b>					
	<b>BASEMENT TO GROUND FLOOR LEVEL</b>					
	<b>3.0 PA-BGM Wire</b>					
	2.1 #16 AWG TF Shielded Pair	m				
	<b>4.0 PA-BGM DEVICE AND EQUIPMENT</b>					
	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	unit				
	4.5 Volume Controller	unit				
	4.6 Audio Controller	unit				
	4.7 Ceiling mounted Loud Speaker	set				
	4.8 Wall mounted Loud Speaker	set				
	4.9 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>2ND FLOOR LEVEL</b>					
	<b>3.0 PA-BGM Wire</b>					
	3.1 #16 AWG TF Shielded Pair	m				
	<b>4.0 PA-BGM DEVICE AND EQUIPMENT</b>					
	4.1 Ceiling mounted Loud Speaker	set				
	4.2 Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>3RD TO ROOF DECK FLOOR LEVEL</b>					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>3.0 PA-BGM Wire</b>					
	#16 AWG TF Shielded Pair	m				
	<b>4.0 PA-BGM DEVICE AND EQUIPMENT</b>					
	4.7 Ceiling mounted Loud Speaker	set				
	Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
<b>E</b>	<b>ACCESS CONTROL SYSTEM</b>					
	<b>BASEMENT TO GROUND FLOOR LEVEL</b>					
	<b>3.0 ACS Cables</b>					
	#16 AWG TF Shielded Pair	m				
	4-PAIR CAT-6/6A UTP	m				
	<b>4.0 Access Control Device and Equipment</b>					
	4.1 Main Access Control Panel	assy				
	4.2 Access Control Panel	pcs				
	4.3 Input Module	pcs				
	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	pcs				
	4.8 Biometrix	pcs				
	Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>2ND FLOOR LEVEL</b>					
	<b>3.0 ACS Cables</b>					
	#16 AWG TF Shielded Pair	m				
	4-PAIR CAT-6/6A UTP	m				
	<b>4.0 Access Control Device and Equipment</b>					
	4.3 Input Module	pcs				
	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	pcs				
	4.8 Biometrix	pcs				
	Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
	<b>3RD FLOOR LEVEL</b>					
	<b>3.0 ACS Cables</b>					
	#16 AWG TF Shielded Pair	m				
	4-PAIR CAT-6/6A UTP	m				
	<b>4.0 Access Control Device and Equipment</b>					
	4.1 Input Module	pcs				
	4.2 Door Contact	pcs				
	Testing and Commissioning	M-Hr				
	<b>5.0 Consumables ( Solvent , Gas , GI Wire, Tapes)</b>	lot	1.00			
<b>F</b>	<b>CABLE TRAY</b>					
	<b>GROUND FLOOR</b>					
	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				
	<b>2ND FLOOR</b>					
	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				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>3RD FLOOR</b>					
	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				
<b>C.6</b>	<b>PLUMBING AND SANITARY WORKS</b>					
	<b>BASEMENT FLOOR LEVEL</b>					
	<b>C.6A Water Line System</b>					
	<b>1.16 Appurtenances</b>					
	Shower Accessories	set				
	Lavatory Counter Top	set				
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	<b>3RD FLOOR &amp; ROOF DECK FLOOR</b>					
	<b>1.0 Potable Lateral Water Lines &amp; Roughing-in of Toilets</b>					
	<b>1.1 GI Pipes Sch 40</b>					
	50 mmØ x 6mtrs	lgth				
	40 mmØ x 6mtrs	lgth				
	<b>1.2 Coupling</b>					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	<b>1.3 Tee Connector</b>					
	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				
	<b>1.4 Elbow</b>					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	<b>1.5 Reducer</b>					
	50mmØ x 32 mmØ	pc/s				
	40mmØ x 32 mmØ	pc/s				
	<b>1.6 PPR Pipes PN 16</b>					
	32 mmØ x 4mtrs	lgth				
	25 mmØ x 4mtrs	lgth				
	20 mmØ x 4mtrs	lgth				
	<b>1.7 Coupling</b>					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	<b>1.8 Tee Connector</b>					
	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				
	<b>1.9 Elbow</b>					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	<b>1.10 Female Adaptor</b>					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	15 mmØ	pc/s				
	<b>1.11 Male Adaptor</b>					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	<b>1.12 Reducer</b>					
	32 mmØ x 25 mmØ	pc/s				
	32 mmØ x 20 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	<b>1.13 End Cap</b>					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	<b>1.14 Wye Strainer (Brass)</b>					
	50 mmØ	pc/s				



ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>1.15 Check Valve (Brass)</b>					
	50 mmØ	pc/s				
	<b>1.16 Float Valve</b>					
	50 mmØ	pc/s				
	<b>1.17 Gate Valve (Brass)</b>					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	<b>1.18 Appurtences</b>					
	Lavatory Counter Top	set				
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	<b>Pumps &amp; Tanks</b>					
	<b>Elevated Water Tanks and Booster Pumps</b>					
	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				
	<b>Hangers/Support &amp; Consumable Materials</b>	lot	1.00			
	<b>1.19 Testing and Commisioning</b>	m-hr				
<b>C.7</b>	<b>MECHANICAL WORKS &amp; HVAC SYSTEM</b>					
	<b>BASEMENT TO GROUND</b>					
<b>B.16</b>	<b>HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)</b>					
	<b>FAN SCHEDULE</b>					
	TEF-B1-01	sets				
	TEF-1-01	sets				
<b>B.16.3</b>	<b>TESTING AND COMMISSIONING</b>					
	Testing and Commissioning	m-hr				
	<b>SECOND FLOOR TO THIRD FLOOR LEVEL</b>					
<b>B.16</b>	<b>HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)</b>					
	<b>FAN SCHEDULE</b>					
	TEF-2-01	sets				
<b>B.16.3</b>	<b>TESTING AND COMMISSIONING</b>					
	Testing and Commissioning	m-hr				
	<b>THIRD FLOOR TO ROOF DECK LEVEL</b>					
<b>B.16</b>	<b>HEATING, VENTILLATION AND AIR CONDITIONING (HVAC)</b>					
	<b>FAN SCHEDULE</b>					
	TEF-3-01	sets				
	FAF-R-01	sets				
	<b>STAIRWELL PRESSURIZATION FAN</b>					
	SPF-R-01	sets				
	<b>SMOKE EXHAUST FAN</b>					
	SEF-R-01	sets				
<b>B.16.3</b>	<b>TESTING AND COMMISSIONING</b>					
	Testing and Commissioning	m-hr				
<b>C.8</b>	<b>FIRE PROTECTION SYSTEM</b>					
	<b>BASEMENT TO GROUND</b>					
<b>C.8.1</b>	<b>Water-based Fire Suppression Systems</b>					
	<b>Wet Pipe &amp; Sprinkler Piping System</b>					
	<b>BI Pipes:</b>					
	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 Fittings	lot	1.00			

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	BI Welded Pipes and Fittings	lot	1.00			
	Consumables	lot	1.00			
	<b>BI Fittings</b>					
	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				
	<b>Valves, Sprinkler Heads &amp; Appurtenances</b>					
	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 Monitoring System	lot	1.00			
	<b>Sprinkler Fittings</b>					
	Pendent					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	25mm Tee	pcs				
	25x15mm Coupling	pcs				
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	<b>Wet Pipe &amp; Sprinkler Piping System Riser</b>					
	<b>BI Pipes &amp; Fittings</b>					
	100mm dia. x 6 mts.	pcs				
	Elbow, 100mm	pcs				
	Tee Reducer, 100mm x 65 mm	pcs				
	Victaulic Couling, 100mm	pcs				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	Slip-on Flange, 100mm	pcs				
	Blind Flange 100 mm	pcs				
	<b>Valves &amp; Accessories</b>					
	Fire Hose Valve,65 mm w/ cap	pcs				
	Fire Hose Cabinets	set				
	Fire Department Connection	pcs				
	<b>Water Flow Switches; complete in-place</b>					
	100mm Diameter	pcs				
	25mm Auxillary Drain Valve Assembly	pcs				
	50mm DL Stack	pcs				
	<b>Accessories Alarm Check Valve assembly</b>					
	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	pcs				
	Pressure Release Valve	pcs				
<b>C.8.2</b>	<b>Fire Extinguishing Systems</b>					
	<b>Dry- Chemical Extinguishing Systems</b>					
	10LBS PFE FE-36	set				
<b>C.8.4</b>	<b>Testing and Commissioning</b>					
	Testing and Commissioning	m-hr				
	<b>SECOND FLOOR</b>					
<b>C.8.1</b>	<b>Water-based Fire Suppression Systems</b>					
	<b>Wet Pipe &amp; Sprinkler Piping System</b>					
	<b>BI Pipes:</b>					
	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 Fittings	lot	1.00			
	BI Welded Pipes and Fittings	lot	1.00			
	Consumables	lot	1.00			

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>BI Fittings</b>					
	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, 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				
	<b>Valves, Sprinkler Heads &amp; Appurtenances</b>					
	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				
	<b>Sprinkler Fittings</b>					
	Pendent					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	25mm Tee	pcs				
	25x15mm Coupling	pcs				
	Side Wall					
	25mm Elbow 90	pcs				
	25mm Coupling	pcs				
	<b>Wet Pipe &amp; Sprinkler Piping System Riser</b>					
	<b>BI Pipes &amp; Fittings</b>					
	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				
	<b>Valves &amp; Accessories</b>					
	Fire Hose Valve,65 mm w/ cap	pcs				
	Fire Hose Cabinets	set				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	<b>Water Flow Switches; complete in-place</b>					
	100mm Diameter	pcs				
	25mm Auxillary Drain Valve Assembly	pcs				
	50mm DL Stack	pcs				
<b>C.8.2</b>	<b>Fire Extinguishing Systems</b>					
	<b>Dry- Chemical Extinguishing Systems</b>					
	10LBS PFE FE-36	set				
<b>C.8.4</b>	<b>Testing and Commissioning</b>					
	Testing and Commissioning	m-hr				
	<b>THIRD FLOOR AND ROOF DECK</b>					
<b>C.8.1</b>	<b>Water-based Fire Suppression Systems</b>					
	<b>Wet Pipe &amp; Sprinkler Piping System</b>					
	<b>BI Pipes:</b>					
	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 Fittings	lot	1.00			
	BI Welded Pipes and Fittings	lot	1.00			
	Consumables	lot	1.00			
	<b>BI Fittings</b>					
	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, 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				
	<b>Valves, Sprinkler Heads &amp; Appurtenances</b>					
	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				

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

PREPARED BY:

\_\_\_\_\_  
Contractor's Authorized Representative's Name and Signature

\_\_\_\_\_  
Contractor's Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Contact No.(s)

\_\_\_\_\_  
Date