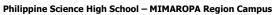


Republic of the Philippines **DEPARTMENT OF SCIENCE AND TECHNOLOGY**



Barangay Rizal, Odiongan, Romblon 5505



Certificate No. AJA18-0208 SCP000433Q

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

OWNER: Philippine Science High School - MIMAROPA Region Campus

BILL OF QUANTITIES SUBJECT:

NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
C.0	GENERAL REQUIREMENTS					
0.0	1.0 Mobilization/ Demobilization	lot	1.00			
	2.0 Bonds and Insurances	lot	1.00			
	3.0 Temporary facilities for Contractor	lot	1.00			
	4.0 Health Safety Requirements	lot	1.00			
	5.0 Temporary Enclosure / board-up	lot	1.00			
	6.0 Material Testing	lot	1.00			
	7.0 As-Built Plan	lot	1.00			
	8.0 Project Billboard	lot	1.00			
C.1	SITE WORKS					
	1.0 Back Fill & Compaction	cu.m				
	2.0 Soil Poisoning /trimming	li.				
	3.0 Gravel Bedding	cu.m				
	4.0 Vapor Barrier (6mils polyethylene plastic cover)	sq.m				
C.2	STRUCTURAL WORKS					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 Reinforce Concrete					
	a. Wall footings(4000psi)	cu.m				
	b. Retaining Wall(4000psi) - Basement to Ground Floor	cu.m				
	c. Slab on Fill (3000psi)	cu.m				
	d. Suspended Slabs (4000Psi)	cu.m				
	e Columns (4000Psi) - Basement to Ground Floor	cu.m				
	f. Beams and Girders (4000Psi)	cu.m				
	g. Stairs and Landings(4000Psi)	cu.m				
	2.0 Deformed Reinforcing Steel bar (Including tie wires)					
	a. Wall footings(4000psi)	kgs				
	b. Retaining Walls (4000psi) - Basement to Ground Floor	kgs				
	c. Slab on Fill(3000psi)	kgs				
	d. Suspended Slabs (4000Psi)	kgs				
	e Columns (4000Psi) - Basement to Ground Floor	kgs				
	f. Beams and Girders (4000Psi)	kgs				
	g. Stair and landings (4000Psi)	kgs				
	h. G.I. Wire/Tie Wire	rolls				
	3.0 Formworks and Scaffolding					
	a. Wall footings(4000psi)	sq.m				
	b. Retaining Walls (4000psi) - Basement to Ground Floor	sq.m				
	c. Slab on Fill	sq.m				
	d. Suspended Slabs	sq.m				
	e Columns - Basement to Ground Floor	sq.m				
	f. Beams and Girders	sq.m				
	g. Stairs and Landings	sq.m				
	SECOND FLOOR TO THIRD					
	1.0 Reinforce Concrete					
	a Suspended Slabs (4000Psi)	cu.m				
	b. Columns (4000Psi)	cu.m				
	c. Beams and Girders (4000Psi)	cu.m				
	d. Stairs (4000Psi)	cu.m				
	2.0 Deformed Reinforcing Steel bar (Including tie wires Grade 60 abd 40)					
	a Suspended Slabs (4000Psi)	kgs				
	b. Columns (6000Psi)	kgs				
	c. Beams and Girders (4000Psi)	kgs				
	d. Stairs (4000Psi)	kgs				
	e. G.I. Wire/Tie Wire	rolls				
	3.0 Formworks and Scaffolding					
	a Suspended Slabs	sq.m				
	b. Columns	sq.m				
	c. Beams and Girders	sq.m				
	d. Stairs and Landings	sq.m				

ITEM		DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
NO.	ROO	F DECK TO UPPER ROOF					
		force Concrete					
	а	Suspended Slabs (4000Psi)	cu.m				
	b.	Columns (4000Psi)	cu.m				
	c. d.	Beams and Girders (4000Psi) Stairs and Landings(4000Psi)	cu.m				
	d.	Stairs and Landings(4000Psi)	cu.m				
	2.0 Defo	rmed Reinforcing Steel bar (Including tie wires					
		Grade 60and Grade 40)					
	а	Suspended Slabs (4000Psi)	kgs				
	b. c.	Columns (4000Psi) Beams and Girders (4000Psi)	kgs				
	d.	Stairsn and Landings (4000Psi)	kgs kgs				
	e.	G.I. Wire/Tie Wire	rolls				
		nworks and Scaffolding					
	c. d.	Suspended Slabs Columns	sq.m				
	f.	Beams and Girders	sq.m sq.m				
	h.	Stairs	sq.m				
		ctural Steel Works					
		s Roofing	lem -				
	a. b.	1- 2L-62.5X62.5X6MM 2- 2L-50X50X6MM	kgs kgs				
	C.	3- 2L-45X45X6MM	kgs				
	C.	4- 2L-38X38X6MM	kgs				
	C.	4- 2L-32X32X6MM	kgs				
	h.	LC-Purlins (50 x 175 x 12.5mm x 1.5mm thick)	kgs				
	i.	Anchor bolt 16mm Ø A325	pcs				
	j. k.	12mm Dia. Cross Bracing Baseplate/Gusset Plates Connector (16/12mm thick)	kgs				
	I.	Painting Enamel Finish	kgs sqm				
	m.	-	Is	1.00			
C.3	ARCHITECTU	RAL WORKS					
	2.00	EMENT TO OPOUND ELOOP LEVEL					
		EMENT TO GROUND FLOOR LEVEL ONRY WORKS/DRYWALL PARTITION					
		New CHB Wall-150mm (6") CHB Walls Including plastering,					
	a.	stiffener column and lintel beams	sq.m				
	b.	New CHB Wall-100mm (4") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
	C.	Drywall Partition 100mm thick on 12mm thick Ordinary	sq.m				
	0.	Gypsum board on standard metal frames	- oq.iii				
	2.0 FINIS	SHES					
		r Finishes					
	a.	±50mm corrective Floor topping	sq.m				
	b.	FF-1; 600x600mm Homogenous tiles (polished) with tile grout on joints	sq.m				
	_	FF-2; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/					
	C.	tile grout & sealer on joints	sq.m				
ļ	d.	FF-3; Straight to finish concrete w/ concrete hardener FF-4; 10x10mm Rusticated concrete in broom finish @	sq.m				
	e.	100mm O.C.	sq.m				
		Finishes					
	a.	300x300mm Homogenous tile (non-skid)	sq.m				
-	4.0 THE	RMAL and MOISTURE PROTECTION					
		Cementitious capillary type waterproofing membrane by	sa m				
	a.	crystallization brush applied or admix to cement	sq.m				
	b.	Flexible acrylic waterproofing for retaining wall	sq.m				
	5.0 OPE	NINGS					
		rs and Jambs					
	WD-	900mm W x 2100mm H Hollow core framed wood door, single	set				
		1000mm W v 2100mm H Hollow core metal door with fire evit					
	SD-0	device, single leaf	set				
		900mm W x 2100mm H Hollow core metal door, single leaf	set				
<u> </u>		1000mm W x 2100mm H Hollow core metal door, single leaf 24 800mm W x 2100mm H Hollow core metal door, single leaf	set set				
		05 1000mm W x 2100mm H Hollow core metal door, single leaf	set				
		900mm W x 2100mm H Hollow core metal door, single leaf	set				
	GD-0	2-2660mm W x 2900mm H x 12mm thick Tempered glass	set				
-		door on standard powder coated aluminum finish					
	GD-0	on standard powder coated aluminum finish	set				
	GD-0	1000mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
		on standard powder coated aluminum illism					
	5.2 Wind	dows					

EM O.		DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
<i>)</i> .		W-01 4395mm W x 1450mm H Steel casement window with grilles	set				
		W-02 8750mm W x 1450mm H Steel casement window with grilles	set				
		W-03 5265mm W x 1450mm H Steel casement window with grilles	set				
		W-04 3370mm W x 1450mm H Steel casement window with grilles	set				
		W-05 830mm W x 750mm H Sliding window	set				
		W-06 1660mm W x 1450mm H Sliding window	set				
		W-07 3420mm W x 1450mm H Steel casement window with grilles	set				
		W-09 2655mm W x 1450mm H Steel casement window with grilles	set				
	7.0	MISCELLANEOUS WORKS					
	7.0	a. 50mmø GI Pipe Railing	m				
		b. Toilet Partitions with Door panel & accessories	m				
		c. Urinal Partitions; Phenolic board	ea				
		SECOND FLOOR					
	1.0	MASONRY WORKS/DRYWALL PARTITION					
		a. New CHB Wall-150mm (6") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
		New CHR Wall-100mm (4") CHR Walls Including plastering					
		b. stiffener column and lintel beams	sq.m				
		c. Drywall Partition 100mm thick on 12mm thick Ordinary	sq.m				
		Gypsum board on standard metal frames					
	2.0	FINISHES					
	2.1	Floor Finishes					
		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				
		FF-4; 10x10mm Rusticated concrete in broom finish @	sq.m				
		e. 100mm O.C.	Sq.III				
		Mall Phylada a					
	2.2	Wall Finishes					
		a. 300x300mm Homogenous tile (non-skid)	sq.m				
	4.0	THERMAL and MOISTURE PROTECTION					
	4.0	Cementitious capillary type waterproofing membrane by					
		a. crystallization brush applied or admix to cement	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 WD-03 WD-03 WD-03	set				
		omm the glass view panel, double leaf	561				
		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-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				
		GD-02 1700mm W x 2100mm H x 12mm thick Tempered glass door	set				
		on standard powder coated aluminum finish					
		GD-03 1000mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
	5.2	Windows					
		W-01 4395mm W x 1450mm H Steel casement window with grilles	set				
		W-02 8750mm W x 1450mm H Steel casement window with grilles	set				
		W-03 5265mm W x 1450mm H Steel casement window with grilles	set				
		W-04 3370mm W x 1450mm H Steel casement window with grilles	set				
		W-05 830mm W x 750mm H Sliding window	set				
		W-07 3420mm W x 1450mm H Steel casement window with grilles	set				
	7.0	MISCELLANEOUS WORKS					
	7.0	a. 50mmø GI Pipe Railing	m				
		b. Toilet Partitions with Door panel & accessories	m				
		c. Urinal Partitions; Phenolic board	ea				
		THIRD FLOOR AND ROOF DECK					
	1.0	MASONRY WORKS/DRYWALL PARTITION					
		a. New CHB Wall-150mm (6") CHB Walls Including plastering,	sq.m				
		stiffener column and lintel beams	-				
	4.0	THERMAL and MOISTURE PROTECTION					
		Cementitious capillary type waterproofing membrane by	25				
		a. crystallization brush applied or admix to cement	sq.m				
	5.0	OPENINGS					
	5.2	Windows					
		W-01 4395mm W x 1450mm H Steel casement window with grilles	set				
		W-02 8750mm W x 1450mm H Steel casement window with grilles W-03 5265mm W x 1450mm H Steel casement window with grilles	set set				
		W-04 3370mm W x 1450mm H Steel casement window with grilles	set				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
.10.	W-05 830mm W x 750mm H Sliding window	set				
	W-07 3420mm W x 1450mm H Steel casement window with grilles	set				
	6.0 ROOFING WORKS GA#24 Pre-painted longspan (rib type) GI Sheet roofing					
	a. including bended accessories and 16 kg ACI fiberglass	sq.m				
	insulation on one face foil cover					
C.4	ELECTRICAL WORKS					
	BASEMENT AND GROUND FLOOR					
	A Lighting and Power System 1.0 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					
	1.1 PVC Pipe					
	20mm Ø 25mm Ø	L				
	32mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	20mm Ø PVC L-A 25mm Ø PVC L-A	pcs				
	32mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling	-				
	15mm Ø 20mm Ø	L				
	25mm Ø	L				
	50mm Ø	L				
	1.4 EMT Elbow					
	1.4 EWI EIDOW 15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	50mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø 50mm Ø	pcs				
	COMMINE.	Poo				
	2.0 Boxes and Flexible Conduit					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16 4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metalic Conduit	m				
	15mm diameter Flexible connector	pcs				
	1000sqmmx600mm Pullboxes 400sqmmx300mm Pullboxes	pcs				
	4003qiiiiixoodiiiii i uliboxes	Pos				
	3.0 Wires & Cables THHN stranded					
	3.5mm² 5.5mm²	m				
	8.0mm²	m m				
	14mm²	m				
	22mm²	m				
	30mm² 60mm²	m m				
	Comm	1111				
	4.0 Wiring Device					
	Simplex Convenience Outlet	set				
	Duplex Convenience Outlet Weather Proof Outlet	set set				
	Duplex Convenience GFCI Outlet	set				
	Floor Mounted Duplex Outlet	set				
	Special Outlet (twist lock) One gang Switch	set set				
	Two gang Switch	set				
	5.0 Lighting Fixtures					
	Recessed LED Down Light 2 - 9 w LED Luminaire Lamp	set set				
	2 - 32 w Fluorescent Dust Proof LED Light	set				
	Exit Light	set				
	6.0 PANEL BOARDS					
	DPGF	assy				
	Main: 300AT/450AF,3P, 230V	-,				
	In NEMA 1 Surface mounted					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	PPGF	assy				
	Main : 40AT/250AF,3P, 230V					
	In NEMA 1 Surface mounted					
	LPGF	assy				
	Main: 30AT/100AF,3P, 400V, 18KAIC					
	In NEMA 1 Surface mounted					
	7.0 ENCLOSED CIRCUIT BREAKER					
	MCB					
	6A,2P,230V	assy				
	NEMA 3R					
	60A,3P,ECB,230V	assy				
	70A,3P,ECB,230V	assy				
	B Grounding and Bonding System					
	1.0 Conduit Pipes for roughing installation					
	1.1 PVC Pipe					
	32mm Ø x 3m PVC Pipe	pcs				
	Bare Copper Wire and Grounding Rod and Accessories 50mm2, soft drawn bare copper wires	m				
	Ground rod, 20mm dia., 3m length, copper clad steel	pcs				
	Ground Plate	pcs				
	Exothermic welding	m-hr				
	Inspection Pit	set				
	Restoration works	m-hr				
	SECOND FLOOR LEVEL					
	A Lighting and Power System					
	1.0 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					
	1.1 PVC Pipe					
	20mm Ø 25mm Ø	L				
	32mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	20mm Ø PVC L-A	pcs				
	25mm Ø PVC L-A 32mm Ø PVC L-A	pcs				
	32mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	15mm Ø	L				
	20mm Ø	L				
	25mm Ø	L				
	1.4 EMT Elbow					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing 15mm Ø					
	20mm Ø	pcs pcs				
	25mm Ø	pcs				
	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 pcs				
	15mm diameter Flexible connector	pcs				
	1000sqmmx600mm Pullboxes	pcs				
	400sqmmx300mm Pullboxes	pcs				
	2.0 Wires & Cables THUN stranded					
	3.0 Wires & Cables THHN stranded 3.5mm²	m				
	5.5mm²	m				
	8.0mm²	m				
	14mm²	m				
	4.0. Wiring Davice					
	4.0 Wiring Device Simplex Convenience Outlet	set				
	Duplex Convenience Outlet	set				
	Floor Mounted Duplex Outlet	set				
	One gang Switch	set				
	Two gang Switch	set				
	5.0. Lighting Eivturge					
	5.0 Lighting Fixtures Recessed LED Down Light	set				
	2 - 9 w LED Luminaire Lamp	set				
DILL OF OUR		Dago F of 1E		1	1	ACADEMIC BLILLDING

M).	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	2 - 32 w Fluorescent Dust Proof LED Light	set				
	Exit Light	set				
	6.0 PANEL BOARDS					
	PP2F	assy				
	Main : 60AT/100 AF,3P, 230 v In NEMA 1 Surface mounted					
	LP2F	assy				
	Main : 40AT/100 AF,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					
	1.1 Roughing-ins 1.1 PVC Pipe					
	20mm Ø	L				
	25mm Ø	L				
	32mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	20mm Ø PVC L-A	pcs				
	25mm Ø PVC L-A	pcs				
	32mm Ø PVC L-A	pcs				
_	1.3 EMT Pipe w/ coupling					
	15mm Ø 20mm Ø	L				
	20mm Ø 25mm Ø	L L				
	32mm Ø	L				
	3211111 0					
	1.4 EMT Elbow					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	32mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
_	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	2.0 Boxes and Flexible Conduit					
	4x4 junction box w/ cover #16	pcs				
	•	·				
	B Lightning Protection					
	1.0 Conduit Pipes for roughing installation					
	1.1 PVC Pipe					
	32mm Ø x 3m PVC Pipe	pcs				
	1.2 Bare Copper Wire and Grounding Rod and Accessories					
	50mm2, soft drawn bare copper wires	m				
	Ground Plate	pcs				
-	Exothermic welding Restoration works	m-hr m-hr				
	Air Terminal	m-nr set				
-	All Tottillial	361				
5	AUXILIARY WORKS					
	A Structured Cabling					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	50mm Ø	L				
	1.2 PVC Locknut ,Adaptors and Bushings					
_	50mm Ø PVC L-A	pcs				
-	1.3 EMT Pino w/ coupling					
-	1.3 EMT Pipe w/ coupling 20mm Ø	L				
	2011111 W					
	1.4 EMT Elbow					
	20mm Ø	pcs				
\dashv						
	1.5 EMT Lock Nut and Bushing					
	20mm Ø	pcs				
- 1					1	

		1				
ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
		T .				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL 1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	50mm Ø	L				
	001111112	1 -				
	1.2 PVC Locknut ,Adaptors and Bushings					
	50mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	20mm Ø	L				
	4.4. CNT Ciberry					
	1.4 EMT Elbow 20mm Ø	200				
	201111119	pcs				
	1.5 EMT Lock Nut and Bushing					
	20mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	50 Occasionables (Ocharut Occas Olivina Tanasa)	1.4	4.00			
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	50mm Ø	L				
	1.2 PVC Locknut ,Adaptors and Bushings					
	50mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	20mm Ø	L				
	1.4 EMT Elbow	-				
	20mm Ø	pcs				
	· · · · ·	1				
	1.5 EMT Lock Nut and Bushing					
	20mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16 4x4 square box with cover #16	pcs				
	4x4 Square DOX With Cover #10	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
		1	1.00			
	B. Closed Circuit Television System					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe 1.1a 20mm Ø	L				
	1.1a 20mm Ø 1.1b 50mm Ø	L				+
	ע ווווווטט עו ו.ו	-				1
	1.2 Locknut ,Adaptors and Bushings					
	1.2a 20mm Ø PVC L-A	pcs				
		L.				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metalic Conduit 2.5 15mm diameter Flexible connector	m ncs				
	2.5 15mm diameter Flexible connector 2.6 Pull Box	pcs				
	Z.0 1 uii Doy	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
		.5.	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	1.1a 20mm Ø	L				
	1.1b 50mm Ø	L				
	1.2 Locknut Adaptors and Bushings	_				
	1.2 Locknut ,Adaptors and Bushings 1.2a 20mm Ø PVC L-A	pcs				
	=					
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16 2.3 4x4 square box with cover #16	pcs pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	2.6 Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	1.1a 20mm Ø	L				
	1.1b 50mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings				-	
	1.2a 20mm Ø PVC L-A	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16 2.2 4x4 junction box w/ cover #16	pcs				
	2.2 4x4 junction box w/ cover #16 2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	2.6 Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	C. FIRE DETECTION AND ALARM SYSTEM BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16 2.4 15mm diameter Flexible Metalic Conduit	pcs m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	ZND I LOOK LLVLL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing 1.3a 15mm Ø IMC	naa				
	1.5a ISHIIII W IIVIC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16 2.2 4x4 junction box w/ cover #16	pcs pcs				
	2.2 4x4 junction box w/ cover #16 2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	Oursumanies (Ourveill, Gas, Graville, Tapes)	iot	1.00			
	3RD TO ROOF DECK FLOOR LEVEL					
DILL OF OLIV	NITIEC	Dago 9 of 1E				ACADEMIC BUILDING

ITEM						
NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling 1.1a 15mm Ø	L				
	1.18 13111111 9					
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	our consumation (convent, our, our, rapes)	100	1.00			
	D PA-BGM					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling 1.1a 15mm Ø	L				
	ע ווווופו וווני	L L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø	pcs				
	2.0. Payer Bull Pay and Flavible Conduit and Comparture					
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors 2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	4.2. FMT Files					
	1.2 EMT Elbow 1.2a 15mm Ø	pcs				
	1.24 101111119	pos				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16 2.3 4x4 square box with cover #16	pcs pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m pcs				
	2.5 15mm diameter Flexible connector	pcs				
		Ĺ				
	5.0 Consumables (Solvent , Gas , Gl Wire, Tapes)	lot	1.00			
	3RD TO ROOF DECK FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	15mm Ø	L				
	1.2 EMT Elbow					
	15mm Ø	pcs				
	4.2 EMT Look Nut and Ducking					
	1.3 EMT Lock Nut and Bushing 15mm Ø	pcs				
	IVIIIII 92	pus				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
RILL OF OLIA	15mm diameter Flexible Metalic Conduit	m n n of 15				ACADEMIC BUILDING 3

M		DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
		15mm diameter Flexible connector	pcs				
	5.0	Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
		ACCESS CONTROL SYSTEM					
E		ACCESS CONTROL SYSTEM BASEMENT TO GROUND FLOOR LEVEL					
		DAGEMENT TO GROUND TEOOR ELVEE					
1.	1.0	ROUGHING INSTALTION					
1.	1.1	EMT Pipe w/ coupling					
		20mm Ø x 4m IMC Pipe	L				
		25mm Ø x 4m IMC Pipe	L				
-	1.2	EMT Elbow					
	1.4	20mm Ø IMC	pcs				
		25mm Ø IMC	pcs				
1.	1.3	EMT Nut and Bushing					
		20mm Ø IMC	pcs				
		25mm Ø IMC	pcs				
-	2.0	Boyce Dull Boy and Elevible Conduit and Connectors					
	2.0	Boxes , Pull Box and Flexible Conduit and Connectors 2x4 utility boxe #16	pcs				
		4x4 junction box w/ cover #16	pcs				
		4x4 square box with cover #16	pcs				
		15mm diameter Flexible Metalic Conduit	m				
		15mm diameter Flexible connector	pcs				
		Pull Box	pcs				
	- ^	Concumables / Schoot Con CLMire Tones)	lot	1.00			
- 3	5.0	Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
		2ND FLOOR LEVEL					
1.	1.0	ROUGHING INSTALTION					
1.	1.1	EMT Pipe w/ coupling					
		20mm Ø x 4m IMC Pipe	L				
		25mm Ø x 4m IMC Pipe	L				
-	1.2	EMT Elbow					
		20mm Ø IMC	pcs				
		25mm Ø IMC	pcs				
1.	1.3	EMT Nut and Bushing					
		20mm Ø IMC	pcs				
		25mm Ø IMC	pcs				
2	2.0	Boxes , Pull Box and Flexible Conduit and Connectors					
		2x4 utility boxe #16	pcs				
		4x4 junction box w/ cover #16	pcs				
		4x4 square box with cover #16	pcs				
		15mm diameter Flexible Metalic Conduit	m				
		15mm diameter Flexible connector	pcs				
		Pull Box	pcs				
5	5.0	Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
			101	1.00			
		3RD FLOOR LEVEL					
_	1.0	ROUGHING INSTALTION					
1	1.1	EMT Pipe w/ coupling 20mm Ø x 4m IMC Pipe					
		25mm Ø x 4m IMC Pipe 25mm Ø x 4m IMC Pipe	L				
		Zonini S X ani anto i apo					
1.	1.2	EMT Elbow					
		20mm Ø IMC	pcs				
		25mm Ø IMC	pcs				
		FMT Net and Bushing					
1.	1.3	EMT Nut and Bushing					
		20mm Ø IMC 25mm Ø IMC	pcs				
		ZJIIIII 😥 IIVIO	pcs				
2	2.0	Boxes , Pull Box and Flexible Conduit and Connectors					
		2x4 utility boxe #16	pcs				
		4x4 junction box w/ cover #16	pcs				
		4x4 square box with cover #16	pcs				
		15mm diameter Flexible Metalic Conduit	m				
		15mm diameter Flexible connector	pcs				
		Pull Box	pcs				
			1			1	1

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
C.6	PLUMBING AND SANITARY WORKS					
	BASEMENT FLR TO GROUND FLOOR LEVEL					
	C.6A Water Line System					
	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 40 mmØ	pc/s				
	1.3 Tee Connector	pc/s				
	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 1.4 Elbow	pc/s				
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.5 Reducer					
	50mmØ x 32 mmØ	pc/s				
	40mmØ x 32 mmØ 1.6 PPR Pipes PN 16	pc/s				
	32 mmØ x 4mtrs	lgth				
	25 mmØ x 4mtrs	lgth				
	20 mmØ x 4mtrs	lgth				
	1.7 Coupling 32 mmØ	no/-				
	32 mmØ 25 mmØ	pc/s pc/s				
	20 mmØ	pc/s				
	1.8 Tee Connector					
	32 mmØ x 32 mmØ	pc/s				
	32 mmØ x 25 mmØ 25 mmØ x 25 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s pc/s				
	20 mmØ x 20 mmØ	pc/s				
	1.9 Elbow					
	32 mmØ	pc/s				
	25 mmØ 20 mmØ	pc/s pc/s				
	1.10 Female Adaptor	po/3				
	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 25 mmØ x 20 mmØ	pc/s pc/s				
	1.13 End Cap	pc/s				
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	1.14 Wye Strainer (Brass)	ļ.,				
	50 mmØ 1.15 Check Valve (Brass)	pc/s				
	50 mmØ	pc/s				
	1.16 Gate Valve (Brass)					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	32 mmØ 25 mmØ	pc/s pc/s				
	20 mmØ	pc/s				
	1.16 Appurtences					
	Shower Accessories	set				-
	Lavatory Wall Hung Lavatory Counter Top	set set				-
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	Hangers/Support & Consumable Materials	lot				
	1.17 Testing and Commisioning	m-hr				
	SECOND FLR LEVEL					
	1.0 Potable Lateral Water Lines & Roughing-in of Toilets					
	1.1 GI Pipes Sch 40	1				
	50 mmØ x 6mtrs 40 mmØ x 6mtrs	lgth lgth				
	4() mm(/) y hmfre					

ITEM	DECORIDATION	I lm's	OTV	LINET COST	AMOUNT	TOTAL
NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	50 mmØ 40 mmØ	pc/s				
	40 mmio 1.3 Tee Connector	pc/s				
	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 1.4 Elbow	pc/s				
	1.4 EIDOW 50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.5 Reducer					
	50mmØ x 32 mmØ	pc/s				
	40mmØ x 32 mmØ 1.6 PPR Pipes PN 16	pc/s				
	32 mmØ x 4mtrs	lgth				
	25 mmØ x 4mtrs	lgth				
	20 mmØ x 4mtrs	lgth				
	1.7 Coupling					
	32 mmØ 25 mmØ	pc/s				
	20 mmØ	pc/s pc/s				
	1.8 Tee Connector	P 0/ 0				
	32 mmØ x 32 mmØ	pc/s				
	32 mmØ x 25 mmØ	pc/s				
	25 mmØ x 25 mmØ 25 mmØ x 20 mmØ	pc/s				
	25 mmØ x 20 mmØ 20 mmØ x 20 mmØ	pc/s pc/s				
	1.9 Elbow	Pors				
	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 1.12 Reducer	pc/s				
	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 25 mmØ	pc/s pc/s				
	1.16 Gate Valve (Brass)	p 0, 0				
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	32 mmØ 25 mmØ	pc/s pc/s				
	20 mmØ	pc/s pc/s				
		F -/-				
	1.16 Appurtences					
	Lavatory Counter Top	set				
	Urinal with Flush valve	set set				
	Water Closet Tank Type Hose Bib	set				
	Hangers/Support & Consumable Materials	lot				
	1.17 Testing and Commisioning	m-hr				
	C.6B SANITARY AND WASTE SYSTEM BASEMENT FLOOR & GROUND FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	150 mmø x 3 m	lgth				
	100 mmø x 3 m	lgth				
	75 mmø x 3 m 50 mmø x 3 m	lgth lgth				
	2.0 Fittings	igui				
	2.1 Elbow (45°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø 50 mmø	pc/s pc/s				
	2.2 Elbow (90°)	pus				
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø 2.3 Wye	pc/s				
BILL OF OUA	4.0 TTYE	12 of 15	<u> </u>	<u> </u>	<u> </u>	ACADEMIC BUILDING

ITEM	DESCRIPTION	1164	OTV	LINIT COST	AMOUNT	TOTAL
NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	150 x 150 mmø	pc/s				
	150 x 100 mmø 150 x 75 mmø	pc/s pc/s				
	100 x 100 mmø	pc/s pc/s				
	100 x 75 mmø	pc/s				
	100 x 50 mmø 75 x 75 mmø	pc/s pc/s				
	75 x 50 mmø	pc/s pc/s				
	50 x 50 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 P-Trap 50 mmø	pc/s				
	2.6 Drains	po/3				
	Floor Drain					
	50 mmø	pc/s				
	Hangers/Support & Consumable Materials Testing and Commisioning	lot m-hr				
	resung and commissioning	111-111				
	SECOND FLR LEVEL					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000) 150 mmø x 3 m	lath				
	150 mmø x 3 m 100 mmø x 3 m	lgth lgth				
	75 mmø x 3 m	lgth				
	50 mmø x 3 m	lgth				
	2.0 Fittings					
	2.1 Elbow (45°) 150 mmø	pc/s				
	100 mmø	pc/s pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.2 Elbow (90°) 150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.3 Wye 150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	150 x 75 mmø	pc/s				
	100 x 100 mmø	pc/s				
	100 x 75 mmø 100 x 50 mmø	pc/s pc/s				
	75 x 75 mmø	pc/s				
	75 x 50 mmø	pc/s				
	50 x 50 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover	pc/s				
	2.5 P-Trap	pc/s				
	50 mmø	pc/s				
	2.6 Drains					
	Floor Drain 50 mmø	w-/-				
	Hangers/Support & Consumable Materials	pc/s lot				
	Testing and Commissioning	m-hr				
	3RD FLOOR & ROOF DECK FLOOR					
	Pipes and Fittings 1.0 Pipes (PVC Series 1000)					
	150 mmø x 3 m	lgth				
	100 mmø x 3 m	lgth				
	75 mmø x 3 m	lgth				
	50 mmø x 3 m 2.0 Fittings	lgth				
	2.1 Elbow (45°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø 50 mmø	pc/s pc/s				
	2.2 Elbow (90°)	Pors				
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø 50 mmø	pc/s pc/s				
	2.3 Wye	pc/s				
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	150 x 75 mmø	pc/s				
	100 x 100 mmø	pc/s			<u> </u>	

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
140.	100 x 75 mmø	pc/s				
	100 x 70 mmø	pc/s				
	75 x 75 mmø	pc/s				
	75 x 50 mmø	pc/s				
	50 x 50 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 Vent Cap 100 mmø	pc/s				
	2.6 P-Trap	pc/3				
	50 mmø	pc/s				
	2.7 Drains	i .				
	Floor Drain					
	50 mmø	pc/s				
	2.8 Vent Thru Deck with wire Mesh					
	150 mmø 100 mmø	pc/s				
	75 mmø	pc/s pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	C.6C STORM DRAINAGE PIPING SYSTEM					
	BASEMENT FLOOR & GROUND FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)	141-				
	150mmø 100mmø	lgth lgth				
	2.0 Fittings	igui				
	2.1 Elbow (45°)					
	100 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø 150 x 100 mmø	pc/s pc/s				
	2.4 Floor Clean Out w/ Brass Cover	pc/s				
	100 mmø	pc/s				
	2.5 Ceiling Cleanout					
	100 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	100 mmø	pc/s				
	2ND FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	100mmø	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	100 mmø	pc/s				
	2.2 Elbow (90°) 150 mmø	pc/s				
	100 mmø	pc/s pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	2.5 Ceiling Cleanout					
	100 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	100 mmø	pc/s				
		T				
	3RD FLOOR & ROOF DECK FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	100mmø	lgth				
	2.0 Fittings 2.1 Elbow (45°)					
	100 mmø	pc/s				
	2.2 Elbow (90°)	70/0				
	150 mmø	pc/s				
	100 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø 2.4 Floor Clean Out w/ Brass Cover	pc/s				
	100 mmø	pc/s				
	2.5 Ceiling Cleanout	μυ/8				
DILL OF OLIA	2.0 Coming Circumout	14 of 15			l	ACADEMIC BUILDING

ITEM NO.		DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
		100 mmø	pc/s				
		3.0 Drains					
		3.1 Deck Drain					
		Hangers/Support & Consumable Materials	lot				
		Testing and Commisioning	m-hr				
		100 mmø	pc/s				
	C.6D	SEPTIC TANK					
		Septic Tank	lot	1.00			
		TOTAL PROJECT AMOUNT					-

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