



**REPUBLIC OF THE PHILIPPINES**  
**Department of Science and Technology**  
**Philippine Science High School Soccsksargen Region Campus**  
**Barangay Paraiso, Koronadal City**  
**South Cotabato**

Project: **CONSTRUCTION OF DORMITORY BUILDING III**  
 Subject: **BILL OF QUANTITIES**  
 Date: **7/8/2017**  
 ABC **P 38,200,000.00**  
 Phase I **P 19,100,000.00**  
 Phase II **P 19,100,000.00**

ITEM	SCOPE OF WORK		QTY	UNIT	UNIT COST		DIRECT COST	OCCM(9% DIRECT COST)
					MATERIAL	LABOR		
<b>1.0</b>	<b>GENERAL REQUIREMENTS</b>							
	1.1	Mobilization/Demobilization	1	lot				
	1.2	Bonds, Insurances & Permits	1	lot				
	1.3	As built plans	1	lot				
	1.4	Temporary Utilities (Electricities & Water)	1	lot				
	1.5	Temporary Facilities						
	1.5.1	Temporary Warehouse	1	lot				
	1.5.2	Field Office/Conference Room	1	lot				
	1.5.3	Temporary Fence/Site Enclosure	1	lot				
	1.6	Surveying & Layouts	1	lot				
	1.7	Testing of Materials						
	1.7.1	Compression Testing (Cylinder, CHB, Mortar)	1	lot				
	1.7.2	Cement (Physical & Chemical Properties)	1	lot				
	1.7.3	Complete Test for Aggregates (Grading, Soundness, Abrasion, Specific Gravity, Unit Weight, Absorption)	1	lot				
	1.7.4	Tensile Properties of Rebars & Steeldecking	1	lot				
	1.7.5	Design/Trial Mix	1	lot				
	1.7.6	Curing Tank & Curing Materials	1	lot				
	1.8	Construction Safety/PPEs	1	lot				
	<b>SUB-TOTAL 1.0</b>							
<b>2.0</b>	<b>LAND DEVELOPMENTS</b>							
	2.1.1	earthfill all remaining areas	100	Cu.M.				
	<b>SUB-TOTAL 2.0</b>							
<b>3.0</b>	<b>EARTHWORKS</b>							
	3.1	EXCAVATION						
	3.1.1	Footing Pits	520	Cu.M.				

		3.1.2	cistern and septic vault	30.75	Cu.M.				
			<b>SUB-TOTAL 3.0</b>						

4.0		STRUCTURAL WORKS						
	4.1	Reinforced Concrete Footing (3000psi)						
	4.1.1	Type 1 Portland Cement	617.00	bags				
	4.1.2	Washed and screened Sand	34.25	Cu.M.				
	4.1.3	Gravel	68.50	Cu.M.				
	4.1.4	Gravel bedding	29.50	Cu.M.				
	4.1.5	16mm def bars grade 33	5,976.70	kgs				
	4.1.6	Ga 16 tie wire	100.00	kgs				
	4.1.7	welding rods 6011	20.00	kgs				
	4.2	Reinforced Concrete Tie Beam (3000psi)						
	4.2.1	Type 1 Portland Cement	246.00	bags				
	4.2.2	Washed and screened Sand	13.63	Cu.M.				
	4.2.3	Gravel	27.25	Cu.M.				
	4.2.4	Gravel bedding	5.50	Cu.M.				
	4.2.5	16mm def bars grade 33	1,888.87	kgs				
	4.2.6	10mm def bars grade 33	1,722.34	kgs				
	4.2.7	Ga 16 tie wire	104.00	kgs				
	4.2.8	welding rods 6011	20.00	kgs				
	4.3	Reinforced Concrete Wall Footing (3000psi)						
	4.3.1	Type 1 Portland Cement	65.25	bags				
	4.3.2	Washed and screened Sand	3.63	Cu.M.				
	4.3.3	Gravel	7.25	Cu.M.				
	4.3.4	Gravel bedding	3.00	Cu.M.				
	4.3.5	12mm def bars grade 33	367.63	kgs				
	4.3.6	10mm def bars grade 33	121.97	kgs				
	4.3.7	Ga 16 tie wire	6.00	kgs				
	4.3.8	welding rods 6011	2.00	kgs				
	4.4	Reinforced Concrete slab on fill (3000psi)						
	4.4.1	Type 1 Portland Cement	459.00	bags				
	4.4.2	Washed and screened Sand	25.50	Cu.M.				
	4.4.3	Gravel	51.00	Cu.M.				
	4.4.4	Gravel bedding	38.25	Cu.M.				
	4.4.5	10mm def bars grade 33	1,700.16	kgs				
	4.4.6	Ga 16 tie wire	22.25	kgs				
	4.4.7	welding rods 6011	5.00	kgs				
	4.5	Reinforced Concrete suspended slab (3000psi)						
	4.5.1	Type 1 Portland Cement	1,244.25	bags				
	4.5.2	Washed and screened Sand	69.13	Cu.M.				
	4.5.3	Gravel	138.25	Cu.M.				
	4.5.4	12mm def bars grade 33	12,089.23	kgs				
	4.5.5	10mm def bars grade 33	7,558.32	kgs				
	4.5.6	Ga 16 tie wire	212.25	kgs				
	4.5.7	welding rods 6011	20.00	kgs				

	4.6	Reinforced Concrete Columns (3000psi)					
	4.6.1	Type 1 Portland Cement	594.00	bags			
	4.6.2	Washed and screened Sand	33.00	Cu.M.			
	4.6.3	Gravel	66.00	Cu.M.			
	4.6.4	20mm def bars grade 33	22,534.31	kgs			
	4.6.5	16mm def bars grade 33	624.89	kgs			
	4.6.6	10mm def bars grade 33	8,068.37	kgs			
	4.6.7	Ga 16 tie wire	932.50	kgs			
	4.6.8	welding rods 6011	20.00	kgs			
	4.7	Reinforced Concrete Beams (3000psi)					
	4.7.1	Type 1 Portland Cement	1,392.75	bags			
	4.7.2	Washed and screened Sand	77.38	Cu.M.			
	4.7.3	Gravel	154.75	Cu.M.			
	4.7.4	25mm def bars grade 33	17,477.21	kgs			
	4.7.5	20mm def bars grade 33	10,142.66	kgs			
	4.7.6	16mm def bars grade 33	4,175.39	kgs			
	4.7.7	12mm def bars grade 33	463.54	kgs			
	4.7.8	10mm def bars grade 33	10,747.97	kgs			
	4.7.9	Ga 16 tie wire	932.50	kgs			
	4.7.10	welding rods 6011	20.00	kgs			
	4.8	Reinforced Concrete lintel Beams/Mid Beams/ Stiff Columns (3000psi)					
	4.8.1	Type 1 Portland Cement	342.00	bags			
	4.8.2	Washed and screened Sand	19.00	Cu.M.			
	4.8.3	Gravel	38.00	Cu.M.			
	4.8.4	12mm def bars grade 33	1,513.15	kgs			
	4.8.5	10mm def bars grade 33	5,211.36	kgs			
	4.8.6	Ga 16 tie wire	196.00	kgs			
	4.8.7	welding rods 6011	10.00	kgs			
	4.9	Reinforced Concrete Stairs/gutters (3000psi)					
	4.9.1	Type 1 Portland Cement	189.00	bags			
	4.9.2	Washed and screened Sand	10.50	Cu.M.			
	4.9.3	Gravel	21.00	Cu.M.			
	4.9.4	20mm def bars grade 33	44.39	kgs			
	4.9.5	16mm def bars grade 33	795.31	kgs			
	4.9.6	12mm def bars grade 33	1,928.74	kgs			
	4.9.7	10mm def bars grade 33	247.63	kgs			
	4.9.8	Ga 16 tie wire	45.00	kgs			
	4.9.9	welding rods 6011	5.00	kgs			
	4.10	Reinforced Concrete canopy (3000psi)					
	4.10.1	Type 1 Portland Cement	25.00	bags			
	4.10.2	Washed and screened Sand	1.36	Cu.M.			
	4.10.3	Gravel	2.71	Cu.M.			
	4.10.4	12mm def bars grade 33	237.00	kgs			

	4.10.5	10mm def bars grade 33	148.00	kgs				
	4.10.6	Ga 16 tie wire	4.20	kgs				
	4.10.7	welding rods 6011	0.50	kgs				
4.11	Reinforced Concrete laundry sink counter (3000psi)							
	4.10.1	Type 1 Portland Cement	36.00	bags				
	4.10.2	Washed and screened Sand	2.00	Cu.M.				
	4.10.3	Gravel	4.00	Cu.M.				
	4.10.4	12mm def bars grade 33	367.00	kgs				
	4.10.5	10mm def bars grade 33	148.00	kgs				
	4.10.6	Ga 16 tie wire	5.00	kgs				
	4.10.7	welding rods 6011	1.00	kgs				
4.12	formworks and scaffoldings							
	4.12.1	2x4x12 coco lumber	1,000.00	pcs				
	4.12.2	2x3x12 coco lumber	2,500.00	pcs				
	4.12.3	2x2x12 coco lumber	2,500.00	pcs				
	4.12.4	3/8" ord plywood	442.00	pcs				
	4.12.5	1/4" ord plywood	135.00	pcs				
	4.12.6	assorted sixe conc nails	30.00	box				
	4.12.7	cwn 4"	20.00	box				
	4.12.8	cwn 3"	20.00	box				
	4.12.9	cwn 2-1/2"	18.00	box				
	4.12.10	cwn 2"	15.00	box				
	4.12.11	cwn 1-1/2"	12.00	box				
<b>SUB-TOTAL 4.0</b>								

5.0		STEEL WORKS						
	5.1	STEEL TRUSSES (Trusses, Rafters, Girt )						
	5.1.1	6mmx2"x2"x6.0m angular bar (TC/BC/KP)	47	lght				
	5.1.2	6mmx1-1/2"x1-1/2"x6.0m angular bar WM	34	lght				
	5.1.3	4.5mmx2"x2"x6.0m angular bar cleats	2	lght				
	5.1.4	1.50mm thk 2"x6" Cee Purlins	128	lght				
	5.1.5	10mm dia x6.0m plain round bar double sagrod	38	lght				
	5.1.6	12mm dia x6.0m plain round bar cross brace	39	lght				
	5.1.7	12mm dia. Turnbuckle with safety pin	22	pcs				
	5.1.8	12mm thk MS plate truss support baseplate	1	sht				
	5.1.9	10mm def bars grade 33 truss u-bent	26	26				
	5.1.10	16mm diam. 200m depth anchor bolt A325 with nuts	88	pcs				
	5.1.11	welding rods 6011	120	kgs				
	5.2	ROOFING						
	5.2.1	colorbonded ribbed type roofing sheets 0.50mm	508	L.M.				
	5.2.2	colorbonded end flashing 0.50mmx0.75mx2.44m	25	pcs				
	5.2.3	Steel Tekscrow	2300	pcs				
	5.2.4	Blind Rivets	1100	pcs				
	5.2.5	silicon sealant	20	tube				
	5.2.6	Touch up Paint	3	liters				
	5.3	STAIR & RAMP HAND RAIL						
	5.3.1	Stainless Pipe (2"x6m, S-20)	10	Length				
	5.3.2	Square Bar (12mm)	3	Length				
	5.3.3	flat bar 1/4" x 1"x6m	42	Length				
	5.3.4	Welding Rod (Stainless)	20	Kgs				
			<b>SUB-TOTAL 5.0</b>					
6.0		MASONRY WORKS						
	6.1	chb walls						
	6.1.1	CHB 6" (350 psi)	1,800.00	Pcs				
	6.1.2	CHB 4" (350 psi)	31,390	Pcs				
	6.1.3	Cement (40 Kgs)	2219	Bags				
	6.1.4	Washed Sand	124	Cu.M.				
	6.1.5	12mm def bars grade 33	5980	Kgs				
	6.1.6	10mm def bars grade 33	4424.85	Kgs				
	6.1.7	G.I. Wire (G-16)	132	Kgs				
	6.1.8	welding rods 6011	20	Kgs				
	6.2	PLASTERING (25 mm thick)						
	6.2.1	Cement (40 Kgs)	1845	Bags				
	6.2.2	Washed Sand	307.25	Cu.M.				
	6.3	FLOOR TOPPING						
	6.3.1	Cement (40 Kgs)	780	Bags				
	6.3.2	Washed Sand	130	Cu.M.				
			<b>SUB-TOTAL 6.0</b>					

<b>7.0</b>	<b>PAINTING WORKS</b>							
	7.1	WALLS						
		7.1.1	interiorand exterior walls latex finish 3 coats	4,745.00	Sq.M.			
		7.2	CEILING ( flat enamel finish 3 coats)	1,400.00	Sq.M.			
		7.3	DOORS AND JAMBS					
		7.3.1	doors(quick dry enamel)	11.00	sets			
		7.3.2	jambs (quick dry enamel)	51.00	sets			
		7.4	3 Closet and 3 Cabinets	1.00	lot			
		7.5	ROOF FRAMING & STAIR RAIL					
		7.5.1	Epoxy Primer Gray	24.00	Gal			
		7.5.2	Epoxy reducer	14.00	Gal			
		<b>SUB-TOTAL 7.0</b>						
<b>8.0</b>	<b>TILEWORKS</b>							
		8.1	General Floor (0.60mx0.60m) Matte finish grade AAA Granite Tiles	1,366.70	Sq.M.			
		8.2	Stairs & Landing (30x30) Grade AAA Ceramic Tiles non skid	65.70	Sq.M.			
		8.3	Comfort rooms wall (30x60) Grade AAA polished Granite Tiles	896.00	Sq.M.			
		8.4	Comfort rooms floor (30x60) Matte Grade AAA Granite Tiles	145.40	Sq.M.			
		8.5	aluminum nosing 1"x2.40m	34.00	lght			
		8.6	Laundry sink tiling	45.00	Sq.M.			
		<b>SUB-TOTAL 8.0</b>						
<b>9.0</b>	<b>CARPENTRY</b>							
		9.1	FLAT CEILING (gypsum)					
		9.1.1	Gypsum Board (1/2")	1223.11	Sq.M.			
		9.1.2	Metal Frames	1223.11	Sq.M.			
		9.1.3	Accessories	1	Lot			
		9.2	FLAT CEILING (HARDIFLEX)					
		9.2.1	Hardiflex 5mmx4x8	176.44	Sq.M.			
		9.2.2	Metal Frames	176.44	Sq.M.			
		9.2.3	Accessories	1	lot			
		9.3	CLOSETS and CABINETS					
		9.2.1	Closet	3	units			
		9.2.2	Pantry cabinets	3	units			
		<b>SUB-TOTAL 9.0</b>						
<b>10.0</b>	<b>PLUMBING WORKS</b>							
		10.1	FRESH WATER LINES					
		10.1.1	PPR Pipes PNS 16	1	lot			
		10.1.2	PPR Pipe Fittings (Elbows, Tees, Reducers, etc)	1	Lot			
		10.1.3	Consumables (Teflon, Cement Solvent, etc.)	1	Lot			
		10.2	SANITARY & DRAINAGE LINES					
		10.2.1	PVC Sanitary Pipes S-40	1	lot			
		10.2.2	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc)	1	Lot			
		10.2.3	Pipes Cement Solvent	4	Liters			
		10.3	DRY STANDPIPE					

	10.3.1	G.I. Pipes (2 1/2", S-40)	6	Length				
	10.3.2	G.I. elbows (2-1/2", S-40)	8	pcs				
	10.3.3	G.I. couplings (2-1/2", S-40)	8	pcs				
	10.3.4	G.I. tee (2-1/2", S-40)	8	pcs				
	10.3.5	fire hose box with 200'-hose and nozzle	6	units				
	10.3.6	siamese twin 2-1/2	1	units				
	10.4	STORM DRAIN						
	10.4.1	PVC Pipe (4", S-40)	65	Length				
	10.4.2	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc)	1	Lot				
	10.4.3	PVC Pipe 6" S-40	6	length				
	10.5	PLUMBING ACCESSORIES						
	10.5.1	Stainless Floor Drain 6"x6"	92	Pcs				
	10.5.2	Tissue Holder	22	Pcs				
	10.5.3	liquid soap dispenser	22	Pcs				
	10.5.4	soap holder	16	Pcs				
	10.5.5	Ball Valves	12	Pcs				
	10.5.6	PWD Grab bars	2	pcs				
	10.5.7	Wall faucet	41	Sets				
	10.5.8	stainless P.O. Plug with cover	36	Sets				
	10.5.9	Bidet hose	22	Sets				
	10.6	PLUMBING FIXTURES						
	10.6.1	Water Closet with angle valve and flexible hose	17	Sets				
	10.6.2	Counter top Lavatory w/ faucet angle valve and flex hose	22	Sets				
	10.6.3	wall hung Lavatory w/ faucet angle valve and flex hose	5	Sets				
	10.6.4	Urinal with flush valve	1	Sets				
	10.6.5	squat Bowl	5	Sets				
	10.6.6	shower valve and head set	18	Sets				
	10.7	OVERHEAD WATER SOURCE						
	10.7.1	water pump 2.5 hP	1	unit				
	10.7.2	Stainless steel water tank horizontal 2555 liters	1	unit				
	10.7.3	PPR Pipes (1-1/2"), PNS 16	5	Length				
	10.7.4	Accessories & Fittings	1	Lot				
	10.7.5	Construction of Cistern 1.5x3x1.5m	1	lot				
	10.8	MISCELLANEOUS						
	10.8.1	Hangers, Clamps, Consumables	1	Lot				
	10.9	Testing & Commissioning of Plumbing Works	1	Lot				
		<b>SUB-TOTAL 9.0</b>						
<b>11.0</b>	<b>ELECTRICAL &amp; AUXILIARY WORKS</b>							
	11.1	LIGHTING & POWER LAYOUT						
	11.1.1	PVC Conduit 1/2, S-40	470	Length				
	11.1.2	PVC elbow 1/2, S-40	600	pcs				
	11.1.3	PVC Conduit 1, S-40	17	Length				
	11.1.4	PVC elbow1, S-40	13	pcs				



	11.1.5	PVC flexible hose 1/2	1	roll				
	11.1.6	THHN Copper Wire 6/7	135	mtrs				
	11.1.7	THHN Copper Wire 10/7	3	rolls				
	11.1.8	THHN Copper Wire 12/7	39	rolls				
	11.1.9	THHN Copper Wire 14/7	50	rolls				
	11.1.10	metal Junction Box (4X4,)	560	Pcs				
	11.1.11	metal Utility Box (2x4)	225	Pcs				
	11.1.12	metal Pull box 4x12x12	3	Pcs				
	11.1.13	wire gutter 5x12x48	1	Pcs				
	11.1.14	Convenience outlet 2 gang	135	set				
	11.1.15	aircon outlet 1 gang	3	set				
	11.1.16	Emergency Light Outlets	40	set				
	11.1.17	LED exit sign outlets	8	set				
	11.1.18	Switch 1 gang	20	set				
	11.1.19	Switch 2 gang	10	set				
	11.1.20	Switch 3 gang	30	set				
	11.1.21	Switch 2 way 1 gang	8	set				
	11.1.22	fitting connectors etc.	1	lot				
	11.1.23	tapes , solvent cement	1	lot				
	11.2	LIGHTING FIXTURE						
	11.2.1	T-5 Flourescent Fixture Complete w/ Accessories 1-28watts	57	Sets				
	11.2.2	glass covered Pinlights 4" with 12 watts LED bulb	422	Sets				
	11.2.3	LED illuminated exit signs	8	pcs				
	11.2.4	Rechargeable emergency light	40	sets				
	11.3	BREAKERS AND PANELBOXES						
	11.3.1	Panel Box 12 branches industrial type 3phase center main bolt-on 60amp mainwith following branches: 7-20amps;5-30amps	2	set				
	11.3.2	Panel Box 12 branches industrial type 3phase center main bolt-on 60amp mainwith following branches: 9-20amps;3-30amps	1	set				
	11.3.3	MDP Panel Box industrial type 3phase center main bolt-on; 250 main;	1	set				
	11.3.4	on-off switch	3	pcs				
	11.3.5	100mm THHN wire	300	mtrs				
	11.3.6	Entrance Cap	1	pc				
	11.3.7	Male adaptor	1	pc				
	11.3.8	HD secondary rack	1	set				
	11.3.9	U-bolt connector	3	pcs				
	11.3.10	rubber tape	3	rolls				
	11.3.11	Conduits and Fittings	1	lot				
	11.4	TESTING & COMMISSIONING OF ELECTRICAL WORKS	1	Lot				
		<b>SUB-TOTAL 10.0</b>						
<b>12.0</b>	<b>ELECTRONICS AND COMMUNICATION</b>							
	12.1	CCTV						

			DVR (16 inputs, 1080, 2SATA, HDD,USB Network) full HD, USB,						
		12.1.1	Network) or higher	2	unit				
		12.1.2	1MP, 3.6mm, 20m IR indoor/outdoor Camera or higher	24	unit				
		12.1.3	4 terabyte hard disk (SATA)	2	unit				
		12.1.4	LCD Monitor 40"	2	unit				
		12.1.5	Centralized power supply 12v/25amp	1	unit				
		12.1.6	UPS 5kva	1	unit				
		12.1.7	cables/wire (siamese cable)	1	lot				
	12.2	FIRE DETECTION AND ALARM AND SYSTEM (fdas)							
		12.2.1	manual station break glass	7	unit				
		12.2.2	FDAS Wired smoke detector	63	unit				
		12.2.3	fire alarm siren with stobe LED light	7	unit				
		12.2.4	Fire Alarm control panel 4 zones	1	set				
		12.2.5	12V/9AH battery	2	units				
		12.2.6	Cables Tray, wires, Pipings, etc	1	lot				
	12.3	PAGING SYSTEM							
		12.3.1	Power ampliflier 300 watts	1	lot				
		12.3.2	Pre Amplier Mixer 4 mic input	1	unit				
		12.3.3	Mic with tone chime	1	unit				
		12.3.4	15 watts Horn Type Wall Mounted Speakers	7	units				
		12.3.5	Cables Tray, Speaker AWG wires # 16, Pipings, etc	1	lot				
	12.4	NETWORK							
		12.4.1	19" Data Cabinet 2ft wall mounted	2	lot				
		12.4.2	24 ports UTP/STP Ethernet Switch	2	unit				
		12.4.3	Cat 5e/6 Patch panel 24 ports	2	unit				
		12.4.4	1/0 with 2 gang and face Plate	28	sets				
		12.4.5	Router	1	units				
		12.4.6	Wifi	2	units				
		12.4.7	Cables/Wires (CAT 5E/6)	1	lot				
	12.5	CATV							
		12.5.1	f. Connector Wall Mount with Face Plate	1	units				
		12.5.2	Cables/wires (RG^)	1	lot				
	12.6	TELEPHONE							
		12.6.1	Telephone set	5	units				
		12.6.2	RJ11 wall type with face Plate	5	units				
		12.6.3	Cables/wires (#22 AWG/2 pairs telephone wire)	1	lot				
	12.7	GROUNDING SYSTEM							
		12.7.1	Ground Bus Bar (1/4"x1"x12")	1	pc				

	12.7.2	Bronze Ground Rod 3 meters	3	pc				
	12.7.3	AWG no. 10	1	roll				
	12.7.4	Connectors, Bolts, etc	1	lot				
		<b>SUB-TOTAL 11.0</b>						

13.0		GLASSWORKS						
	13.1	w1 sliding window on powder coated aluminum tubular frames with reflective Glass Windows 2.00mx1,2m with screen	12	sets				
	13.2	w2 sliding window on powder coated aluminum tubular frames with reflective Glass Windows 1.20mx1.20m with screen	42	sets				
	13.3	w3 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.80mx0.6m with screen	11	sets				
	13.4	w4 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.20mx0.6m with screen	7	sets				
	13.5	w5 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 2.80mx0.6m with screen	5	sets				
	13.6	w6 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.20mx0.4m with screen	6	sets				
	13.7	w7 aluminum fixed louvers 2.40mx0.75	4	sets				
	13.8	w4 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white 0.60mx0.6m with screen	8	sets				
	13.9	1/4"clear glass inserts 0.20mx0.90m for door d-1	16	pcs				
	13.10	Mirror with plyboard backing (floating) 0.80mx4.0m	5	sets				
	13.11	Mirror with plyboard backing (floating) 0.80mx4.0m	5	sets				
		<b>SUB-TOTAL 13.0</b>						
14.0		CEMENTITIOUS WATERPROOFING						
	14.1	Waterproofing of laundry room floors	65	sq.mt				
	14.2	Waterproofing of toilet floors	100	sq.mt				
	14.3	Waterproofing of deck floors`	224.5	sq.mt				
	14.4	Waterproofing of concrete gutters	45.5	lm				
		<b>SUB-TOTAL 14.0</b>						
15.0		TERMITE CONTROL						
	15.1	Soil Poisoning	530	sq.mt				
		<b>SUB-TOTAL 15.0</b>						
16.0		THERMAL CONTROL						
	16.1	Insulation	538.3	sq.mt				
	16.2	roller shades 2.00mx 1.2m	308.4	sq.ft.				
	16.3	roller shades 1.20mx1.2m	646.8	sq.ft.				
	16.4	Built up ACP Vertical louvers 0.075mx0.60mx6.20m	8	pcs				
		<b>SUB-TOTAL 16.0</b>						
17.0		ARCHITECTURAL SPECIALTIES						
	16.1	Modular toilet cabinets made from laminated phenolic board on an	30	Sets				
	16.2	DOORS AND JAMBS						
	16.2.1	D-01 hollow core metal flush door with viewing glass twin leaf Door 1.60mx2.40m with metal Jamb	7	sets				
	16.2.2	D-02 hollow core laminated flush door single leaf Door 0.90mx2.10m with 2"x6" with kild dried hard wood wooden Jamb	21	sets				

		16.2.3	D-03 hollow core laminated flush door single leaf with louver Door 0.80mx2.10m with 2"x6" with kild dried hard wood wooden Jamb	12	sets				
		16.2.4	D-04 solid panel door single leaf 0.80mx2.10m with 2"x6" with kild dried hard wood wooden Jamb	3	sets				
		16.2.5	D-05 hollow core flush door single leaf with louver Door 0.70mx2.10m with 2"x6" with kild dried hard wood wooden Jamb	7	sets				
		16.2.6	D-06 hollow core metal flush door single leaf Door 0.90mx2.10m with metal Jamb	1	sets				
	16.3	Door Lockset							
		16.3.1	Lever Type Satin Finished Door Lockset	50	sets				
		16.3.2	round Type Satin Finished Door Lockset	1	sets				
				<b>SUB-TOTAL 16.0</b>					
<b>18.0</b>	<b>FURNITURE &amp; COUNTERS, ETC.</b>								
	18.1	BED AND STUDY SET							
		18.1.1	Built up Bed and study set (Tile Gloss Finish)	56	units				
		18.1.2	Queen size wooden box beds with 6" mattress	5	units				
		18.1.3	laminated computer table 4 in 1 ( computer room)	6	sets				
		18.1.4	wooden Sofa twin seater	28	units				
		18.1.5	wooden rectangular center table	28	units				
		18.1.6	laminated long table 10 seaters ( student rec. area) foldable	10	sets				
		18.1.7	laminated 4 seater square table with chairs ( parents lounge)	4	sets				
		18.1.8	junior executive office table	1	sets				
		18.1.9	office chair with arm rest and wheels for dorma	1	sets				
		18.1.10	office chair with arm rest and wheels for guest room	4	sets				
		18.1.11	visitors chair withour wheels	2	sets				
		18.1.12	stackable chairs	116	sets				
	18.2	LAVATORY COUNTERS							
		18.2.1	solid granite top 0.60x3.00m (black)	1	unit				
		18.2.2	solid granite top 0.60x4.0m (black)	2	unit				
		18.2.3	solid granite top 0.60x4.20m (black)	5	unit				
				<b>SUB-TOTAL 18.0</b>					
<b>19.0</b>	<b>MECHANICAL WORKS</b>								
	19.1	FIRE SPRINKLER SYSTEM							
		19.1.1	75mm x 6m BI pipe ASTM S-40	5	lght				
		19.1.2	63mm x 6m BI pipe ASTM S-40	8	lght				
		19.1.3	50mm x 6m BI pipe ASTM S-40	11	lght				
		19.1.4	40mm x 6m BI pipe ASTM S-40	13	lght				
		19.1.5	32mm x 6m BI pipe ASTM S-40	17	lght				
		19.1.6	25mm x 6m BI pipe ASTM S-40	58	lght				
		19.1.7	75mmx63mm BI coupling Reducer welded	3	pcs				
		19.1.8	63mmx50mm BI coupling Reducer welded	6	pcs				

	19.1.9	50mmx40mm BI coupling Reducer welded	6	pcs				
	19.1.10	40mmx32mm BI coupling Reducer welded	6	pcs				
	19.1.11	32mmx25mm BI coupling Reducer welded	11	pcs				
	19.1.12	25mmx15mm BI coupling Reducer welded	206	pcs				
	19.1.13	40mm BI elbow 90* S-40 threaded	11	pcs				
	19.1.14	25mm BI elbow 90* S-40 welded	243	pcs				
	19.1.15	25mm BI Tee s-40 threaded	110	pcs				
	19.1.16	15mm BI plug threaded S--40	206	pcs				
	19.1.17	32mm BI flange welded s-40	6	pcs				
	19.1.18	25mm BI flange welded s-40	6	pcs				
	19.1.19	Butterfly valve 100mm with supervisory switch UL	3	pcs				
	19.1.20	25mm ball valve	3	pcs				
	19.1.21	25 mm inspectors test valve with sight glass	3	pcs				
	19.1.22	air relief valve	3	pcs				
	19.1.23	flow switch	3	pcs				
	19.1.24	sprinkler head pendant type with mounting plate	206	pcs				
	19.1.25	angle bar 3/16x2"x20'	37	lgth				
	19.1.26	con thread round bar 3/8"x10 ft	65	lgth				
	19.1.27	swivel loop hanger 4"	15	pcs				
	19.1.28	swivel loop hanger 3"	15	pcs				
	19.1.29	swivel loop hanger 2-1/2"	15	pcs				
	19.1.30	swivel loop hange 2"	15	pcs				
	19.1.31	swivel loop hanger 1-1/2"	15	pcs				
	19.1.32	swivel loop hanger 1-1/4"	15	pcs				
	19.1.33	swivel loop hanger 1"	220	pcs				
	19.1.34	u bolt with nut and washer 3/8"x4	18	pcs				
	19.1.35	Ubolt with nut and washer 3/8"x3	18	pcs				
	19.1.36	ubolt with nut and washer 3/8x2-1/2	22	pcs				
	19.1.37	ubolt with nut and washer 5/16x2	18	pcs				
	19.1.38	Expansion bolt 3/8"	37	pcs				
	19.1.39	Nut and washer 3/8"	745	pcs				
	19.1.40	welding rods 6011	37	kgs				
	19.1.41	welding rods 6013	37	kgs				
	19.1.42	cutting disc 4"	37	pcs				
	19.1.43	grinding disc 4"	37	pcs				
	19.1.44	QDE paint	12	gal				
	19.1.45	Paint thineer	12	gal				
	19.1.46	metal primer red oxide	12	gal				
	19.1.47	paint brush	15	pcs				
	19.1.48	gasket maker	9	tube				
	19.1.49	teflon tape	28	box				
	19.1.50	steel brush	7	pcs				
	19.1.51	waste rugs	7	kgs				

	19.1.52	Integration to existing pump	1	lot				
	19.1.53	construction of FPS storage cistern	1	lot				
	19.1.54	commissioning and testing	1	lot				
			<b>SUB-TOTAL 19.0</b>					
<b>20.0</b>	<b>SIGNS AND SIGNAGES</b>							
	20.1	indoor signages	1	lot				
			<b>SUB-TOTAL 20.0</b>					
<b>21.0</b>	<b>HVAC</b>							
	21.1	Window Type 1.5 HP airconditioner 220v	1	units				
	21.2	Window Type 2.0 HP airconditioner 220 v	2	units				
	21.3	window Type Aircon steel cage	3	set				
	21.4	wall Fan	56	unit				
	21.5	wall Fan switch	56	unit				
			<b>SUB-TOTAL 21.0</b>					
<b>22.0</b>	<b>OFFICE EQUIPMENT</b>							
	22.1	Flat Screen LED TV 40" (student recreational area)	1	Set				
			<b>SUB-TOTAL 22.0</b>					
			<b>GRAND TOTAL</b>					

Prepared by:

**ARCH. MICHAEL T. ANG**

Consultant

Recommending Approval:

**ENGR. RONAMAR SARTO**

Approved by:

**DR. CHUCHI GARGANERA**

Regional Director

PROFIT 8% DIRECT COST	VAT	TOTAL COST
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