



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

Project: COMPLETION OF DORMITORY BUILDING III, PHASE 2
 Subject: BILL OF QUANTITIES
 ABC P 19,700,000.00

ITEM	SCOPE OF WORK	QTY	UNIT	UNIT COST	TOTAL COST
1.0	GENERAL REQUIREMENTS				
	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 Construction Safety/PPEs	1	lot		
	SUB-TOTAL 1.0				
2.0	LAND DEVELOPMENTS				
	2.1 Garden soil fill of building perimeter	35	Cu.M.		
	SUB-TOTAL 2.0				
3.0	EARTHWORKS				
	3.1 EXCAVATION				
	3.1.1 excavation of fire sprinkler cistern	30.75	Cu.M.		
	SUB-TOTAL 3.0				

4.0		MASONRY WORKS				
	4.1	PLASTERING (25 mm thick)				
	4.1.1	Cement (40 Kgs)	1845	Bags		
	4.1.2	Washed Sand	307.25	Cu.M.		
	4.2	ALL FLOOR TOPPINGS				
	4.2.1	Cement (40 Kgs)	780	Bags		
	4.2.2	Washed Sand	130	Cu.M.		
	4.3	CONCRETE SINK COUNTERS (3000psi)				
	4.3.1	Type 1 Portland Cement	36	bags		
	4.3.2	Washed and screened Sand	2	Cu.M.		
	4.3.3	Gravel	4	Cu.M.		
	4.3.4	12mm def bars grade 33	367	kgs		
	4.3.5	10mm def bars grade 33	148	kgs		
	4.3.6	Ga 16 tie wire	5	kgs		
	4.3.7	welding rods 6011	1	kgs		
		SUB-TOTAL 4.0				

5.0	STEEL WORKS					
	5.1	STAIR & RAMP HAND RAILS				
	5.1.1	Stainless Pipes (3"x6m, S-20)	10	Lengths		
	5.1.2	Square Bar (12mmx6m)	3	Lengths		
	5.1.3	flat bar 1/4" x 1"x6m	42	Lengths		
	5.1.4	Welding Rod (Stainless)	20	Kgs		
	5.2	CORRIDOR RAILINGS				
	5.2.1	Stainless Pipes 3"x6m, S-20)	9	Lengths		
	5.2.2	rectangular tubing 1"x2"x6m	7	Lengths		
	5.2.3	flat bar 1/4" x 1"x6m	88	Lengths		
	5.2.4	Welding Rod (Stainless)	40	Kgs		
			SUB-TOTAL 5.0			
6.0	PAINTING WORKS					
	6.1	PAINTING OF WALLS				
	6.1.1	interior and exterior walls latex finish 3 coats	4745	Sq.m.		
	6.2	PAINTING OF CEILING (flat enamel finish 3 coats)			1400	Sq.m.
	6.3	PAINTING OF DOORS AND JAMBS				
	6.3.1	doors(quick dry enamel)	11	sets		
	6.3.2	jamb (quick dry enamel)	51	sets		
	6.4	PAINTING OF CLOSET AND CABINETS			1	lot
	6.5	PAINTING OF ROOF FRAMING & RAILINGS				
	6.5.1	Epoxy Primer Gray	24	Gal		
	6.5.2	Epoxy reducer	14	Gal		
			SUB-TOTAL 6.0			
7.0	TILEWORKS					
	7.1	General Floor (0.60mx0.60m) Matte finish grade AAA Granite Tiles	1366.7	Sq.M.		
	7.2	Stairs & Landing (40x40) Grade AAA Ceramic Tiles non skid	65.7	Sq.M.		
	7.3	Comfort rooms wall (30x60) Grade AAA polished Granite Tiles	896	Sq.M.		
	7.4	Comfort rooms floor (30x60) Matte Grade AAA Granite Tiles	145.4	Sq.M.		
	7.5	aluminum stair nosing 1"x2.40m	34	lght		
	7.6	tiling of Laundry sink with granite tiles 0.60mx0.60m	45	Sq.M.		
			SUB-TOTAL 7.0			
8.0	CARPENTRY					
	8.1	CONSTRUCTION OF FLAT CEILING (gypsum)				
	8.1.1	Gypsum Board (1/2")	1223.11	Sq.M.		
	8.1.2	Metal Frames	1223.11	Sq.M.		
	8.1.3	Accessories	1	Lot		
	8.2	CONSTRUCTION OF FLAT CEILING (HARDIFLEX)				
	8.2.1	Hardiflex 5mmx4x8	176.44	Sq.M.		
	8.2.2	Metal Frames	176.44	Sq.M.		
	8.2.3	Accessories	1	lot		
	8.3	CONSTRUCTION OF PVC Soffit Ceiling				
	8.3.1	PVC Soffit Ceiling	84.84	Sq.M.		

	8.3.2	Metal Frames	84.84	Sq.M.		
	8.3.3	Accessories	1	lot		
	8.4	FABRICATION OF BUILT- IN CLOSETS and CABINETS				
	8.4.1	guest room closets	3	units		
	8.4.2	Pantry cabinets	3	units		
			SUB-TOTAL 8.0			
9.0	PLUMBING WORKS					
	9.1	PROVISION AND INSTALLATION OF DRY STANDPIPE				
	9.1.1	fire hose box with 200'-hose and nozzle	6	units		
	9.1.2	siamese twin 2-1/2	1	units		
	9.2	PROVISION AND INSTALLATION OF PLUMBING ACCESSORIES				
	9.2.1	Stainless Floor Drain 6"x6"	92	Pcs		
	9.2.2	Tissue Holder	22	Pcs		
	9.2.3	liquid soap dispenser	22	Pcs		
	9.2.4	soap holder	16	Pcs		
	9.2.5	Ball Valves	12	Pcs		
	9.2.6	PWD stainless steel Grab bars	3	pcs		
	9.2.7	Wall faucet for laundry and mop sinks	41	Sets		
	9.2.8	stainless P.O. Plug with cover	36	Sets		
	9.2.9	Bidet hose for closet and squat bowls	22	Sets		
	9.3	PROVISION AND INSTALLATION OF PLUMBING FIXTURES				
	9.3.1	Water Closet with angle valve and flexible hose	17	Sets		
	9.3.2	Counter top Lavatory w/ faucet angle valve and flex hose	22	Sets		
	9.3.3	wall hung Lavatory w/ faucet angle valve and flex hose	5	Sets		
	9.3.4	Urinal with flush valve	1	Sets		
	9.3.5	squat Bowl	5	Sets		
	9.3.6	shower valve and head set	18	Sets		
	9.3.7	stainless kitchen sink single bowl single drain	3	Sets		
	9.4	PROVISION AND INSTALLATION OF OVERHEAD WATER TANK AND PUMP				
	9.4.1	water pump 2.5 hp	1	unit		
	9.4.2	Stainless steel water tank horizontal 2555 liters	1	unit		
	9.4.3	Construction of Potable Water Cistern 1.5x3x1.5m	1	lot		
			SUB-TOTAL 9.0			
10.0	ELECTRICAL & AUXILIARY WORKS					
	10.1	INSTALLATION OF LIGHTING & POWER FIXTURES				
	10.1.1	Convenience outlet 2 gang	135	set		
	10.1.2	aircon outlet 1 gang	3	set		
	10.1.3	Emergency Light Outlets	40	set		
	10.1.4	LED exit sign outlets	8	set		
	10.1.5	Switch 1 gang	20	set		
	10.1.6	Switch 2 gang	10	set		
	10.1.7	Switch 3 gang	30	set		
	10.1.8	Switch 2 way 1 gang	8	set		

	10.1.9	T-5 Fluorescent Fixture Complete w/ Accessories 1-28watts	57	Sets		
	10.1.10	glass covered Pin lights 4" with 12 watts LED bulb	422	Sets		
	10.1.11	LED Strip light for mirrors and ceiling cove	60	mtrs		
	10.1.12	LED illuminated exit signs	8	pcs		
	10.1.13	Rechargeable emergency light	40	sets		
	10.2	INSTALLATION OF SERVICE ENTRANCE, BREAKERS AND PANELBOXES				
	10.2.1	Panel Box 12 branches industrial type 3phase center main bolt-on 60amp main with following branches: 7-20amps;5-30amps	2	set		
	10.2.2	Panel Box 12 branches industrial type 3phase center main bolt-on 60amp main with following branches: 9-20amps;3-30amps	1	set		
	10.2.3	MDP Panel Box industrial type 3phase center main bolt-on; 250 main;	1	set		
	10.2.4	on-off switch	3	pcs		
	10.2.5	100mm THHN wire	300	mtrs		
	10.2.6	Entrance Cap	1	pc		
	10.2.7	Male adaptor	1	pc		
	10.2.8	HD secondary rack	1	set		
	10.2.9	U-bolt connector	3	pcs		
	10.2.10	rubber tape	3	rolls		
	10.2.11	Conduits and Fittings	1	lot		
SUB-TOTAL 10.0						
11.0	ELECTRONICS AND COMMUNICATION					
	11.1	PROVISION AND INSTALLATION OF CCTV FIXTURES				
	11.1.1	DVR (16 inputs, 1080, 2SATA, HDD,USB Network) full HD, USB, Network) or higher	2	unit		
	11.1.2	1MP, 3.6mm, 20m IR indoor/outdoor Camera or higher	24	unit		
	11.1.3	4 terabyte hard disk (SATA)	2	unit		
	11.1.4	LCD Monitor 40"	2	unit		
	11.1.5	Centralized power supply 12v/25amp	1	unit		
	11.1.6	UPS 5kva	1	unit		
	11.2	PROVISION AND INSTALLATION OF FDAS FIXTURES				
	11.2.1	manual station break glass	7	unit		
	11.2.2	FDAS Wired smoke detector	63	unit		
	11.2.3	fire alarm siren with strobe LED light	7	unit		
	11.2.4	Fire Alarm control panel 4 zones	1	set		
	11.2.5	12V/9AH battery	2	units		
	11.3	PROVISION AND INSTALLATION OF PAGING SYSTEM FIXTURES				
	11.3.1	Power amplifier 300 watts	1	lot		
	11.3.2	Pre Amplifier Mixer 4 mic input	1	unit		
	11.3.3	Mic with tone chime	1	unit		
	11.3.4	15 watts Horn Type Wall Mounted Speakers	7	units		
	11.4	PROVISION AND INSTALLATION OF LOCAL AREA NETWORK FIXTURES				
	11.4.1	19" Data Cabinet 2ft wall mounted	2	lot		
	11.4.2	24 ports UTP/STP Ethernet Switch	2	unit		

	11.4.3	Cat 5e/6 Patch panel 24 ports	2	unit		
	11.4.4	1/0 with 2 gang and face Plate	28	sets		
	11.4.5	Router	1	units		
	11.4.6	Wifi	2	units		
	11.5	PROVISION AND INSTALLATION OF CATV FIXTURES				
	11.5.1	f. Connector Wall Mount with Face Plate	1	units		
	11.6	PROVISION AND INSTALLATION OF TELEPHONE FIXTURES				
	11.6.1	Telephone set	5	units		
	11.6.2	RJ11 wall type with face Plate	5	units		
		SUB-TOTAL 11.0				

12.0	GLASSWORKS				
	12.1	w1 sliding window on powder coated aluminum tubular frames with reflective Glass	12	sets	
	12.2	w2 sliding window on powder coated aluminum tubular frames with reflective Glass	42	sets	
	12.3	w3 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white	11	sets	
	12.4	w4 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white	7	sets	
	12.5	w5 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white	5	sets	
	12.6	w6 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white	6	sets	
	12.7	w7 aluminum fixed louvers 2.40mx0.75	4	sets	
	12.8	w4 awning window reflective glass with 1-3/4x4 tubular on pc-white aluminum white	8	sets	
	12.9	1/4"clear glass inserts 0.20mx0.90m for door d-1	16	pcs	
	12.10	Mirror with ply board backing (floating) 0.80mx4.0m	5	sets	
	12.11	Mirror with ply board backing (floating) 0.80mx4.0m	5	sets	
SUB-TOTAL 12.0					
13.0	CEMENTITIOUS WATERPROOFING				
	13.1	Waterproofing of laundry room floors	65	sq.mt	
	13.2	Waterproofing of toilet floors	100	sq.mt	
	13.3	Waterproofing of deck floors`	224.5	sq.mt	
SUB-TOTAL 13.0					
14.0	TERMITE CONTROL				
	14.1	Soil Poisoning	530	sq.mt	
SUB-TOTAL 14.0					
15.0	THERMAL CONTROL				
	15.1	roller shades 2.00mx 1.2m	308.4	sq.ft.	
	15.2	roller shades 1.20mx1.2m	646.8	sq.ft.	
	15.3	Built up ACP Vertical louvers 0.075mx0.60mx6.20m	8	pcs	
	15.4	aluminum analok louvers sunshade 1"x3"x6m	96	lengths	
SUB-TOTAL 15.0					
16.0	ARCHITECTURAL SPECIALTIES				
	16.1	Modular toilet enclosures made from laminated phenolic board on an stainless steel tubular frame and brackets with door and lockset	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	5	sets	
	16.2.2	D-02 hollow core laminated flush door single leaf Door 0.90mx2.10m with 2"x6" with kiln 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 kiln 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 kiln 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	48	sets		
	16.3.2	round Type Satin Finished Door Lockset	1	sets		
			SUB-TOTAL 16.0			
17.0	FURNITURE & COUNTERS, ETC.					
	17.1	BED AND STUDY SET				
	17.1.1	Built up Bed and study set (tile Gloss Finish)	56	units		
	17.1.2	Queen size wooden box beds with 6" mattress	5	units		
	17.1.3	laminated computer table 4 in 1 (computer room)	6	sets		
	17.1.4	wooden Sofa twin seater	28	units		
	17.1.5	wooden rectangular center table	28	units		
	17.1.6	laminated long table 10 seaters (student rec. area) foldable	10	sets		
	17.1.7	laminated 4 seater square table with chairs (parents lounge)	4	sets		
	17.1.8	junior executive office table	1	sets		
	17.1.9	office chair with arm rest and wheels for dorma	1	sets		
	17.1.10	office chair with arm rest and wheels for guest room	4	sets		
	17.1.11	visitors chair without wheels	2	sets		
	17.1.12	stackable chairs steel legs	116	pcs		
	17.2	LAVATORY COUNTERS				
	17.2.1	solid granite top 0.60x3.00m (black)	1	unit		
	17.2.2	solid granite top 0.60x4.0m (black)	2	unit		
	17.2.3	solid granite top 0.60x4.20m (black)	5	unit		
			SUB-TOTAL 17.0			
18.0	MECHANICAL WORKS					
	18.1	FIRE SPRINKLER SYSTEM				
	18.1.1	75mm x 6m BI pipe ASTM S-40	5	lght		
	18.1.2	63mm x 6m BI pipe ASTM S-40	8	lght		
	18.1.3	50mm x 6m BI pipe ASTM S-40	11	lght		
	18.1.4	40mm x 6m BI pipe ASTM S-40	13	lght		
	18.1.5	32mm x 6m BI pipe ASTM S-40	17	lght		
	18.1.6	25mm x 6m BI pipe ASTM S-40	58	lght		
	18.1.7	75mmx63mm BI coupling Reducer welded	3	pcs		
	18.1.8	63mmx50mm BI coupling Reducer welded	6	pcs		
	18.1.9	50mmx40mm BI coupling Reducer welded	6	pcs		
	18.1.10	40mmx32mm BI coupling Reducer welded	6	pcs		
	18.1.11	32mmx25mm BI coupling Reducer welded	11	pcs		
	18.1.12	25mmx15mm BI coupling Reducer welded	206	pcs		
	18.1.13	40mm BI elbow 90* S-40 threaded	11	pcs		

	18.1.14	25mm BI elbow 90* S-40 welded	243	pcs		
	18.1.15	25mm BI Tee s-40 threaded	110	pcs		
	18.1.16	15mm BI plug threaded S--40	206	pcs		
	18.1.17	32mm BI flange welded s-40	6	pcs		
	18.1.18	25mm BI flange welded s-40	6	pcs		
	18.1.19	Butterfly valve 100mm with supervisory switch UL	3	pcs		
	18.1.20	25mm ball valve	3	pcs		
	18.1.21	25 mm inspectors test valve with sight glass	3	pcs		
	18.1.22	air relief valve	3	pcs		
	18.1.23	flow switch	3	pcs		
	18.1.24	sprinkler head pendant type with mounting plate	206	pcs		
	18.1.25	angle bar 3/16x2"x20'	37	lgth		
	18.1.26	con thread round bar 3/8"x10 ft	65	lgth		
	18.1.27	swivel loop hanger 4"	15	pcs		
	18.1.28	swivel loop hanger 3"	15	pcs		
	18.1.29	swivel loop hanger 2-1/2"	15	pcs		
	18.1.30	swivel loop hinge 2"	15	pcs		
	18.1.31	swivel loop hanger 1-1/2"	15	pcs		
	18.1.32	swivel loop hanger 1-1/4"	15	pcs		
	18.1.33	swivel loop hanger 1"	220	pcs		
	18.1.34	u bolt with nut and washer 3/8"x4	18	pcs		
	18.1.35	Ubolt with nut and washer 3/8"x3	18	pcs		
	18.1.36	ubolt with nut and washer3/8x2-1/2	22	pcs		
	18.1.37	ubolt with nut and washer 5/16x2	18	pcs		
	18.1.38	Expansion bolt 3/8"	37	pcs		
	18.1.39	Nut and washer 3/8"	745	pcs		
	18.1.40	welding rods 6011	37	kgs		
	18.1.41	welding rods 6013	37	kgs		
	18.1.42	cutting disc 4"	37	pcs		
	18.1.43	grinding disc 4"	37	pcs		
	18.1.44	QDE paint	12	gal		
	18.1.45	Paint thinner	12	gal		
	18.1.46	metal primer red oxide	12	gal		
	18.1.47	paint brush	15	pcs		
	18.1.48	gasket maker	9	tube		
	18.1.49	teflon tape	28	box		
	18.1.50	steel brush	7	pcs		
	18.1.51	waste rugs	7	kgs		
	18.1.52	Integration to existing pump	1	lot		
	18.1.53	construction of FPS storage cistern	1	lot		
			SUB-TOTAL 18.0			
19.0	SIGNS AND SIGNAGES					
	19.1	Room acrylic signages 8"X18"	23	pcs		

	19.2	acrylic Toilet graphic signages	8	pcs		
		SUB-TOTAL 19.0				
20.0	HVAC					
	20.1	Window Type 1.5 HP air conditioner 220v (inverter)	1	units		
	20.2	Window Type 2.0 HP air conditioner 220 v (inverter)	2	units		
	20.3	window Type Air conditioner steel cage	3	set		
	20.4	wall orbit fan with switch	56	unit		
		SUB-TOTAL 20.0				
21.0	OFFICE APPLIANCE					
	21.1	Flat Screen LED TV 42" (student recreational area)	1	Set		
		SUB-TOTAL 21.0				
		GRAND TOTAL				