



Project: **CONSTRUCTION OF THE TWO STOREY DORMITORY BUILDING II PHASE II**
 Subject: **AGENCY COST ESTIMATE**
 Date: **5/6/2017**
 ABC FUNDIING: **P19,750,000.00**
 TOTAL GFA:

ITEM	SCOPE OF WORK	QTY	UNIT	UNIT COST		DIRECT COST	OCCM (variable)	PROFIT (10%)	TAXES	TOTAL COST
				MATERIAL	LABOR				5% (INDIRECT COST+ OCM+PROFIT)	
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 Fence/Site Enclosure	1	lot							
	1.6 Testing of Materials									
	1.6.1 Compression Testing (Cylinder, CHB, Mortar)	1	lot							
	1.6.2 Cement (Physical & Chemical Properties)	1	lot							
	1.6.3 Complete Test for Aggregates (Grading, Soundness, Abrasion, Specific Gravity, Unit Weight, Absorption)	1	lot							
	1.6.4 Tensile Properties of Rebars & Steeldecking	1	lot							
	1.6.5 Design/Trial Mix	1	lot							
	1.6.6 Curing Tank & Curing Materials	1	lot							
	1.7 Construction Safety/PPEs	1	lot							
	SUB-TOTAL 1.0									-
2.0	EARTHWORKS AND LAND DEVELOPMENTS									
	2.1 EARTHFILL									
	2.1.1 earthfill all remaining areas	308.00	Cu.M.							
	2.1.2 Concrete pavers (3m all around)	300.00	sq.mt							

	2.1.3	Garden soil	150.00	Cu.M.							
	2.1.4	hardscape concrete benches	12.00	sets							
		SUB-TOTAL 2.0									
3.0	STRUCTURAL WORKS (REINFORCED CONCRETING WORKS)										
	3.1	COLUMNS 4000psi (3RD TO ROOF BEAMS)									
	3.1.1	Portland Cement	204	bags							
	3.1.2	Washed Sand	12.5	cu.m.							
	3.1.3	Gravel 3/4"	25	cu.m.							
	3.1.4	25mm deformed bars grade 60	275	lght							
	3.1.5	20mm deformed bars grade 60	145	lgth							
	3.1.6	10 mm deformed bars grade 40	563	lgth							
	3.2	COLUMNS 4000psi (4TH TO STAIR WELL BEAMS)									
	3.2.1	Portland Cement	24	bags							
	3.2.2	Washed Sand	1.25	cu.m.							
	3.2.3	Gravel 3/4"	2.5	cu.m.							
	3.2.4	20mm deformed bars grade 60	32	lgth							
	3.2.5	10 mm deformed bars grade 40	43	lgth							
	3.3	ROOF BEAMS 4000 psi									
	3.3.1	Portland Cement	385	bags							
	3.3.2	Washed Sand	16	cu.m.							
	3.3.3	Gravel 3/4"	32	cu.m.							
	3.3.4	25mm deformed bars grade 60	143	lgth							
	3.3.5	20mm deformed bars grade 60	71	lgth							
	3.3.6	16mm deformed bars grade 60	32	lgth							
	3.3.7	10 mm deformed bars grade 40	235	lgth							
	3.4	CONCRETE STAIRS 4000 psi (THIRD TO DECK)									
	3.4.1	Portland Cement	75	bags							
	3.4.2	Washed Sand	3	cu.m.							
	3.4.3	Gravel 3/4"	6	cu.m.							
	3.4.4	16mm deformed bars grade 60	55	lgth							
	3.4.5	12mm deformed bars grade 60	15	lgth							
	3.5	CONCRETE GUTTER 3000 psi (11.77m) along line E from Grid									
	3.5.1	Portland Cement	22	bags							
	3.5.2	Washed Sand	1	cu.m.							
	3.5.3	Gravel 3/4"	2	cu.m.							
	3.5.4	16mm deformed bars grade 60	15	lgth							
	3.5.5	12 mm deformed bars grade 40	3	lgth							
	3.5.6	10 mm deformed bars grade 33	20	lgth							

	4.3.7	Touch up Paint	2	gal								
	4.4	ROOFING (STAIR WELL ROOF)										
	4.4.1	0.5mm ribbed type color bonded G.I. Rfg sheets	20	L.M.								
	4.4.2	0.5mm colorbonded spanish G.I. Gutter	2	Length								
	4.4.3	0.5mm colorbonded spanish G.I. wall flashing	2	Length								
	4.4.4	sealant	1	tubes								
	4.4.5	Tek Screw & Rivets	1	Kgs								
	4.5	STAIR HAND RAIL										
	4.5.1	Stainless Pipe (2-1/2"x6m, S-20)	6	Length								
	4.5.2	Square Bar (3/4")	5	Length								
	4.5.3	flat bar 1/4" x 1-1/2"x6m	30	Length								
	4.5.4	angle bars 3/16"x1	3	Length								
	4.5.5	Welding Rod (Stainless)	12	Kgs								
	4.5.6	Epoxy Primer Gray	1	gals								
	4.5.7	Epoxy reducer	1	gals								
	4.6	CORRIDOR HANDRAIL										
	4.6.1	Stainless Pipe (2-1/2"x6m, S-20)	6	Length								
	4.6.2	Square Bar (3/4")	5	Length								
	4.6.3	flat bar 1/4" x 1-1/2"x6m	77	Length								
	4.6.4	angle bars 3/16"x1	3	Length								
	4.6.5	Welding Rod (Stainless)	16	Kgs								
	4.6.6	Epoxy Primer Gray	2	gals								
	4.6.7	Epoxy reducer	2	gals								
	4.7	CANOPY RAFTER FOR LAUNDRY AREA										
	4.7.1	1/4"x1-1/2" MS Angle Bars	3	length								
	4.7.2	1/2"x2" MS angle Bar	8	length								
	4.7.3	1.50mm thk 2"x4" Cee Purlins	30	pcs								
	4.7.4	16mm x6m plain round bars	4	length								
	4.7.5	welding rods (N90)	3	kgs								
	4.7.6	Epoxy Primer Gray	1	gals								
	4.7.7	Epoxy reducer	1	gals								
	4.8	CANOPY ROOFING FOR LAUNDRY AREA										
	4.8.1	0.5mm ribbed type color bonded G.I. Rfg sheets	40	L.M.								
	4.8.2	0.5mm colorbonded G.I. wall flashing	3	Length								
	4.8.3	sealant	1	tubes								
	4.8.4	Tek Screw & Rivets	3	Kgs								
		SUB-TOTAL 4.0										-
5.0	MASONRY WORKS											

	9.1.3	PPR Pipes (1/2"), PNS 16	6	Length							
	9.1.4	PPR Pipe Fittings (Elbows, Tees, Reducers, etc)	1	Lot							
	9.1.5	Consumables (Teflon, Cement Solvent, etc.)	1	Lot							
	9.2	SANITARY & DRAINAGE LINES									
	9.2.1	PVC Pipe 4", S-40	10	Length							
	9.2.2	PVC Pipe 2", S-40	8	Length							
	9.2.3	PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts)	1	Lot							
	9.2.4	Pipes Cement Solvent	2	Liters							
	9.3	DRY STANDPIPE									
	9.3.1	G.I. Pipes (2 1/2", S-40)	2	Length							
	9.3.2	G.I. elbows (2-1/2", S-40)	3	pcs							
	9.3.3	G.I. couplings (2-1/2", S-40)	3	pcs							
	9.3.4	G.I. tee (2-1/2", S-40)	3	pcs							
	9.3.5	fire hose box with hose and nozzle	2	units							
	9.4	PLUMBING ACCESSORIES									
	9.4.1	Stainless Floor Drain 4"x4"	25	Pcs							
	9.4.2	Stainless Floor Drain 6"x6"	11	Pcs							
	9.4.3	Lavatory Faucet	13	Pcs							
	9.4.4	Tissue Holder	7	Pcs							
	9.4.5	Shower Valve and Head	7	Pcs							
	9.4.6	liquid soap dispenser	5	Pcs							
	9.4.7	soap holder	7	Pcs							
	9.4.8	Ball Valves	3	Pcs							
	9.4.9	Stainless Steel Angle Valves and flexible hose	28	sets							
	9.4.10	Wall faucet	10	Sets							
	9.4.11	Bidet faucet	7	Sets							
	9.5	PLUMBING FIXTURES									
	9.5.1	Water Closet	7	Sets							
	9.5.2	Counter top Lavatory	13	Sets							
	9.5.3	squat Bowl	1	Sets							
	9.5.4	Accessories & Fittings	1	Lot							
	9.6	Aircon drain									
	9.6.1	Blue pipe 1"	6	lght							
	9.7	MISCELLANEOUS									
	9.7.1	Hangers, Clamps, Consumables	1	Lot							
	9.8	Water Drilling									
	9.8.1	Superpipe GI 4" diameter S-40	8	lght							
	9.8.2	Superpipe GI 1-1/2" diameter S-40	8	lght							

	9.8.3	miscellaneous	1	lot							
	9.8.4	Provision and Installation of Pump 3HP	1	lot							
	9.8.5	Commissioning	1	lot							
	9.90	Testing & Commissioning of Plumbing Works	1	Lot							
		SUB-TOTAL 9.0									-
10.0	ELECTRICAL & AUXILIARY WORKS										
	10.1	LIGHTING & POWER LAYOUT									
	10.1.1	PVC Conduit 1/2, S-40	117	Length							
	10.1.2	PVC elbow 1/2, S-40	65	pcs							
	10.1.3	PVC Conduit 1-1/2, S-40	6	Length							
	10.1.4	PVC elbow1-1/2, S-40	1	pcs							
	10.1.5	THHN Copper Wire 10/7	1	rolls							
	10.1.6	THHN Copper Wire 12/7	1.5	rolls							
	10.1.7	THHN Copper Wire 14/7	6	rolls							
	10.1.8	metal Junction Box (4X4,)	80	Pcs							
	10.1.9	metal Utility Box (2x4)	80	Pcs							
	10.1.10	metal Square B0x with cover	10	Pcs							
	10.1.11	metal Pull box 4x12x12	1	Pcs							
	10.1.12	Convenience outlet 2 gang	93	set							
	10.1.13	aircon outlet 1 gang	2	set							
	10.1.14	Emergency Light Outlets	15	set							
	10.1.15	LED exit sign outlets	4	set							
	10.1.16	Switch 1 gang	4	set							
	10.1.17	Switch 2 gang	9	set							
	10.1.18	Switch 3 gang	1	set							
	10.1.19	Switch 2 way 1 gang	1	set							
	10.1.20	fitting connectors etc.	1	lot							
	10.1.21	tapes , solvent cement	1	lot							
	10.2	LIGHTING FIXTURE					-	-	-	-	-
	10.2.1	T-5 Flourescent FixtureComplete w/ Accessories 1-28watts (see Reflected ceiling plan A-11)	54	Sets							
	10.2.2	LED glass covered Pinlights 4" with 12 watts bulb	9	Sets							
	10.2.3	LED illuminated exit signs	4	pcs							
	10.2.4	emergency light	15	sets							
	10.3	BREAKERS AND PANELBOXES									
	10.3.1	Panel Box 12 branches industrial type 3phase center main bolt-on 100amp mainwith following branches: 10- 20amps;2-30amps	1	set							

	10.3.2	30mm THHN wire	40	mtrs							
	10.3.3	rubber tape	1	rolls							
	10.3.4	Conduits and Fittings	1	lot							
10.4	ELECTRICAL PROVISION FOR WATER PUMP										
	10.4.1	Electrical wires	1	lot							
	10.4.2	accessories	1	lot							
	10.4.3	electric post	1	lot							
10.5	ELECTRICAL PROVISION FOR WALL FANS										
	10.5.1	wall fan switches	84	units							
10.6	ELECTRICAL PROVISION FOR AIRCON										
	10.6.1	split type aircon outlet	2	units							
	10.6.2	on-off switch	2	units							
10.7	ELECTRICAL PROVISION FOR POST LAMP										
	10.7.1	GI post Lamps	12	units							
	10.7.2	Post lamp outlet	12	units							
10.8	GENERATOR										
	10.8.1	Generator	1	unit							
	10.8.2	mounting accessoires	1	lot							
10.9	SOLAR ENERGY						-	-	-	-	-
	10.9.1	Roof Mounted Solar Panel 28kw	1	lot							
10.1	TESTING & COMMISSIONING OF ELECTRICAL WORKS		1	Lot							
		SUB-TOTAL 10.0									-
11.0	ELECTRONICS AND COMMUNICATION										
11.1	SAFETY SYSTEM EQUIPMENT AND MONITORING SERVICES										
	11.1.1	DVR (8 inputs full HD, USB, Network)	1	unit							
	11.1.2	indoor camera with IR 800TVL or higher ip66	6	unit							
	11.1.3	4 terabyte hard disk	2	unit							
	11.1.4	LCD Monitor 19"	1	unit							
	11.1.5	Centralized power supply 12v/25amp	1	unit							
	11.1.6	manual station break glass	4	unit							
	11.1.7	fdas wired smoke detector	37	unit							
	11.1.8	Fire Alarm control panel 4 zones	1	unit							
	11.1.9	fire alarm siren with stobe LED light	4	unit							
	11.1.10	Cables Tray, wires, Pipings, etc	1	lot							
11.2	PAGING SYSTEM										
	11.2.1	Power ampliflier 300 watts	1	lot							
	11.2.2	Pre Amplier Mixer 4 mic input	1	unit							
	11.2.3	Mic with tone chime	1	unit							

	11.2.4	wall speaker horn type 100watts	4	unit								
	11.2.5	Cables Tray, wires, Piping, etc	1	lot								
	11.3	GROUNDING SYSTEM										
	11.3.1	Ground Bus Bar (1/4"x1"x12")	1	pc								
	11.3.2	Bronze Ground Rod	3	pc								
	11.3.3	AWG no. 10	1	rolls								
	11.3.4	Connectors, Bolts, etc	1	lot								
	11.4	PABX SYSTEM						-	-	-	-	-
	11.4.1	PABX 2 TRUNKS 8 LOCALS nec/PANASONIC	1	lot								
SUB-TOTAL 11.0												-
12.0	GLASSWORKS											
	12.1	w1 two pair sliding window 6mm reflective green glass with 1-3/4x4 tubular on powder coated aluminum white	21	sets								
	12.2	w2 single panel-awning window 6mm reflective green with 1-3/4x4 tubular on pc-white aluminum white	2	sets								
	12.3	w3 two panel-awning window 6mm reflective green with 1-3/4x4 tubular on pc-white aluminum white 1.20mx0.40 m	2	sets								
	12.4	w4 three panel-awning window 6mm reflective green with 1-3/4x4 tubular on pc-white aluminum white 1.80mx0.40	2	sets								
	12.5	toilet mirrors 6.00mx0.90m on 1/2" plywood backing	1	sets								
	12.6	toilet mirrors 4.00x0.90m on 1/2" plywood backing	1	sets								
	12.7	toilet mirrors 2.30mx0.90m on 1/2" plywood backing	1	sets								
	12.8	Full size mirror 49"x84"	21	sets								
	12.9	Dresser mirror 36"x72"	21	sets								
	12.10	window screen 1.20mx1.20m	56	sets								
	12.11	window screen 2.00mx1.20m	14	sets								
SUB-TOTAL 12.0												-
13.0	WATERPROOFING											
	13.1	Waterproofing of toilet floors	212	sq.mt								
	13.2	Waterproofing of gutter	60	sq.mt								
SUB-TOTAL 13.0												-
14.0	TERMITE CONTROL											
	14.1	WOOD TREATMENT	1	lot								
SUB-TOTAL 14.0												-
15.0	THERMAL CONTROL											
	15.1	Insulation	543	sq.mt								
SUB-TOTAL 15.0												-
16.0	ARCHITECTURAL SPECIALTIES											

	16.1	Modular toilet cabinets made from laminated phenolic	12	Sets							
	16.2	DOORS AND JAMBS									
	16.2.1	D-02 solid Door 0.80mx2.10m with 2"x6" wooden Jamb	2	sets							
	16.2.2	D-03 Metal louver door 0.80x2.10m with metal jambs	1	sets							
	16.2.3	D-04Hollow Core laminated flushed Door 0.70mx2.10m with 2"x6" wooden Jamb	2	sets							
	16.2.4	D-05 Pvc door with louvers 0.70X2.10	2	SETS							
	16.2.5	D-06 Hollow Core Laminated flushed Door 0.80mx2.10m with 2"x6"with louvers and	2	sets							
	16.2.6	D-08 Metal louver door 0.90x2.10m with metal jambs	1	set							
	16.2.7	D-09 Solid Panel Door with wooden jambs and	21	sets							
	16.3	Door Lockset									
	16.3.1	Lever Type Satin Finished Door Lockset	30	sets							
	16.3.2	round Type Satin Finished Door Lockset	2	sets							
	16.4	Aluminum Grills									
	16.4.1	1-3/4"x4"x6m analok aluminum open back	15	pcs							
	16.4.2	angle bars 1/2"x2"x2"	6	pcs							
	16.5	roller shades	606	sf							
	16.6	Tissue Dispenser roll type	3	pcs							
SUB-TOTAL 16.0											-
17.0	FURNITURE, CABINETS, COUNTERS, ETC.										
	17.1	BED AND STUDY SET									
	17.1.1	Built up Bed and study set (Tile Gloss Finish)	42	units							
	17.1.2	Queen size wooden box beds with 6" mattress	12	units							
	17.2	LAVATORY COUNTERS									
	17.2.1	solid granite top 0.60x6.00m (black)	1	unit							
	17.2.2	solid granite top 0.60x2.30m (black)	1	unit							
	17.2.3	solid granite top 0.60x4.00m (black)	1	unit							
SUB-TOTAL 17.0											-
18.0	SIGNS AND SIGNAGES										
	18.1	indoor Signage ACP	1	lot							
SUB-TOTAL 18.0											-
19.0	MECHANICAL WORKS										

19.1	FIRE SPRINKLER SYSTEM									
19.2	100mm x 6m BI pipe ASTM S-40	5	lght							
19.3	75mm x 6m BI pipe ASTM S-40	2	lght							
19.4	63mm x 6m BI pipe ASTM S-40	2	lght							
19.5	50mm x 6m BI pipe ASTM S-40	2	lght							
19.6	40mm x 6m BI pipe ASTM S-40	2	lght							
19.7	32mm x 6m BI pipe ASTM S-40	1	lght							
19.8	25mm x 6m BI pipe ASTM S-40	24	lght							
19.9	100mmx75mm BI coupling Reducer welded	1	pcs							
19.10	75mmx63mm BI coupling Reducer welded	1	pcs							
19.11	63mmx50mm BI coupling Reducer welded	1	pcs							
19.12	50mmx40mm BI coupling Reducer welded	1	pcs							
19.13	40mmx32mm BI coupling Reducer welded	1	pcs							
19.14	32mmx20mm BI coupling Reducer welded	2	pcs							
19.15	20mmx15mm BI coupling Reducer welded	38	pcs							
19.16	100mm BI elbow 90* S-40 welded	1	pcs							
19.17	40mm BI elbow 90* S-40 threaded	2	pcs							
19.18	25mm BI elbow 90* S-40 welded	44	pcs							
19.19	100mm BI Tee s-40 welded	1	pcs							
19.20	25mm BI Tee s-40 threaded	20	pcs							
19.21	15mm BI plug threaded S--40	40	pcs							
19.22	32mm BI flange welded s-40	1	pcs							
19.23	25mm BI flange welded s-40	1	pcs							
19.24	Buttefly valve 100mm with supervisory switch UL	1	pcs							
19.25	25mm ball valve	1	pcs							
19.26	25 mm inspectors test valve with sight glass	1	pcs							
19.27	air relief valve	1	pcs							
19.28	flow switch	1	pcs							
19.29	fire hose cabinet 1-1/2" pressure regulating angle valve 1-1/2 x100' long double jacket fire hose with adjustable nozzle	2	sets							
19.30	sprinkler head pendant type with mounting plate	24	pcs							
19.31	sprinkler head sidewall type with mounting plate	14	pcs							
19.32	angle bar 3/16x2"x20'	7	lgth							
19.33	con thread round bar 3/8"x10 ft	12	lgth							
19.34	swivel loop hange 4"	3	pcs							
19.35	swivel loop hanger 3"	3	pcs							
19.36	swivel loop hanger 2-1/2"	3	pcs							

19.37	swivel loop hange 2"	3	pcs								
19.38	swivel loop hanger 1-1/2"	3	pcs								
19.39	swivel loop hanger 1-1/4"	3	pcs								
19.40	swivel loop hanger 1"	40	pcs								
19.41	u bolt with nut and washer 3/8"x4	3	pcs								
19.42	Ubolt with nut and washer 3/8"x3	3	pcs								
19.43	ubolt with nut and washer3/8x2-1/2	4	pcs								
19.44	ubolt with nut and washer 5/16x2	3	pcs								
19.45	Expansion bolt 3/8"	75	pcs								
19.46	Nut and washer 3/8"	69	pcs								
19.47	welding rods 6011	7	kgs								
19.48	welding rods 6013	7	kgs								
19.49	cutting disc 4"	7	pcs								
19.50	grinding disc 4"	7	pcs								
19.51	QDE paint	2	gal								
19.52	Paint thineer	2	gal								
19.53	metal primer red oxide	2	gal								
19.54	paint brush	3	pcs								
19.55	gasket maker	2	tube								
19.56	teflon tape	5	box								
19.57	steel brush	1	pcs								
19.58	waste rugs	2	kgs								
19.59	split type aircon 2hp	6	sets								
19.60	wall mounted fans (FOUR UNITS PER ROOM)	84	sets								
19.61	commissioning and testing	1	lot								
19.62	Inter-connection of fire sprinkler system with dorm 1 buildi	1	lot								
SUB-TOTAL 19.0											-
GRAND TOTAL											19,750,000.00

Prepared by:

ARCH. MICHAEL T. ANG
Consultant

Checked by:

ENGR RONAMAR SARTO
PMO

Approved by:

DR. CHUCHI P. GARGANERA
Director III

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#REF!

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19,750,000.00

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