



PROJECT: **CONSTRUCTION OF DORMITORY BUILDING 1**
LOCATION: **BRGY, RIZAL, ODIONGAN , ROMBLON**
OWNER: **Philippine Science High School - MIMAROPA Region Campus**
SUBJECT: **BILL OF QUANTITIES**

DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT	TOTAL
SPL 1 - GENERAL REQUIREMENTS					
1.1 Construction Survey, Staking and Building Layout	lot	1.00			
1.2 As-built Plan	lot	1.00			
1.3 Mobilization and Demobilization	lot	1.00			
1.4 Project Billboard	lot	1.00			
1.5 Permit and Clearances	lot	1.00			
1.6 Occupational Safety and Health Program (Safety Sign- Helmets, Safety Shoes, First Aid Kit, (PPE)), Safety Net	lot	1.00			
1.7 Temfacil, Field office, Warehouse and Utilities (power and water)	lot	1.00			
SPL 2 - EARTHWORKS					
2.10 Excavation	cu.m.	200.00			
2.20 Backfill	cu.m.	170.00			
2.30 Gravel Bedding	cu.m.	30.00			
2.40 Soil Treatment	sq.m.	85.00			
SPL 3 - CIVIL/STRUCTURAL WORKS					
3.10 STRUCTURAL CONCRETE					
A. Columns - 3000psi	cu. m.	68.00			
B. Beams and Girders - 3000psi	cu. m.	93.00			
C. Suspended Slabs - 3000psi	cu. m.	152.00			
D. Slab on Fill - 3000psi	cu. m.	13.00			
E. Stairs and Landings - 3000psi	cu. m.	51.00			
3.20 FABRIC. AND INSTALLATION OF REINFORCING STEEL					
A. Columns	kgs.	21,117.00			
B. Beams and Girders	kgs.	14,880.00			
C. Suspended Slabs	kgs.	16,605.00			
D. Slab on Fill	kgs.	497.00			
E. Stairs and Landings	kgs.	1,706.00			
F. #16 Tying Wire	kgs.	3,005.00			
3.30 FORMWORKS AND SCAFFOLDING					
A. Columns	sq. m.	126.63			
B. Beams and Girders	sq. m.	266.67			
C. Suspended Slabs	sq. m.	621.31			
D. Stairs and Landings	sq. m.	131.30			
3.40 ROOFING WORKS					
A. Main Roof					
L50x50x6	kgs.	2,268.00			
L38x38x6	kgs.	1,812.00			

LC150x50x20x1.2	kgs.	1,814.00		
10mmØ Sagrod	kgs.	80.00		
150x150x8mm Gusset Plate	kgs.	39.00		
Steel Primer	sq. m.	380.00		
Rib Type Color Roof (0.5mm Thk.)	L. m.	351.00		
Roofing Accessories	lot	1.00		
B. Steel Canopy				
250x50x6 Tubular Steel	kgs.	942.00		
250x50x4.5 Tubular Steel	kgs.	620.00		
200x50x6 Tubular Steel	kgs.	311.00		
100x50x1.5 Tubular Steel	kgs.	465.00		
76.2Øx4.8 Tubular Steel	kgs.	20.00		
300x500x20mm Steel Plate	kgs.	50.00		
300x450x20mm Steel Plate	kgs.	45.00		
200x400x20mm Steel Plate	kgs.	27.00		
20mmØ Bolt (A325)	pcs.	28.00		
Steel Primer	sq. m.	105.00		
SPL 4 - MASONRY AND PLASTERING WORKS				
4.1 INSTALLATION OF 100mm CHB (WITH REINFORCEMENT)	sq.m.	2,165.00		
4.2 INSTALLATION OF 150mm CHB (WITH REINFORCEMENT)	sq.m.	1,220.00		
SPL 5 - WATERPROOFING				
5.1 Flexible Cementitious Waterproofing - Bostik Powermix	sq.m.	200.00		
SPL 6 - ARCHITECTURAL WORKS				
6.1 Painting Works				
A Exterior Wall in semigloss elastomeric paint finish - Boysen	sq.m	1,526.79		
B Interior Wall in semigloss latex paint finish - Boysen	sq.m	5,648.80		
C Ceiling paint in flat latex finish (including rubbed conc.) - Boysen	sq.m	1,915.67		
6.2 Ceiling Works				
A Interior ceiling in 1/4 thk.ficem board and metal frame finish	sq.m	320.02		
B Rubbed Concrete Finish	sq.m	899.93		
6.3 Floor Finish				
A Hallways and stairs in flexible epoxy paint finish	sq.m	568.29		
B Toilets and Ground floor office area (Floor and wall Tiles)	sq.m	549.21		
6.4 Doors and WIndows				
A D1 Mahogany Solid panel door in varnish finish (kiln dry)	pcs	55.00		
B D2 PVC flush door with louver	pcs	7.00		
C D3 Metal door with panic device/complete accessories	pcs	6.00		
D D4 Hollow core flush door in marine plywood duccho paint fin	pcs	38.00		
E D5 Glass door	pcs	1.00		
F D6 PVC flush door with louver	pcs	65.00		
G SD1 Double swing door in aluminum powder coated	sq.m	11.60		

H	SD2	Double swing door in aluminum powder coated	sq.m	5.80
I	FG	Fixed Glass 0.6mx0.6m x12mm thk. - Gadget Room	sq.m	0.50
J	SD4	Sliding door in aluminum powder coated paint	sq.m	7.60
K	W1	Window - in aluminum powder coated paint	sq.m	33.60
L	W2	Window - in aluminum powder coated paint	sq.m	10.80
M	W3	Window - in aluminum powder coated paint	sq.m	17.28
N	W4	Window - in aluminum powder coated paint	sq.m	14.40
O	W5	Window - in aluminum powder coated paint	sq.m	17.64
P	W6	Window - in aluminum powder coated paint	sq.m	19.44
Q	W7	Window - Jalouplus in aluminum frame	sq.m	23.04
R	W8	Window - in aluminum powder coated paint	sq.m	7.68
S	W9	Window - in aluminum powder coated paint	sq.m	29.50
T	W10	Window - Metal Louver	sq.m	25.92
U	GP	Ground floor - Frameless Glass partition - 12mm thk.	sq.m	7.04
6.5 Facade				
A	Canopy - Aluminum composite panel in steel frames		sq.m	175.53
B	Marble - PSHS Logo		set	1.00
C	Slate Tiles (200mm x 200mm)		sq.m	35.93
6.6 Metal Works				
A	Grills - 2nd and 3rd fir. open area		sq.m	24.00
B	Tubular Steel - front and rear area		pcs	135.00
C	Steel Handrails / Railings		lot	1.00
6.7 Toilet Partition - MDF phenolic board				
A	Supply and install of toilet partition with complete accessories		sq.m	60.00

SPL 7 - FIRE PROTECTION SYSTEM

7.1 Supply and Installation of Black Iron Pipes (BI) ASTM A53				
A BI Pipes				
		75 mmØ x 6mtrs	pc/s	6
		50 mmØ x 6mtrs	pc/s	26
		25 mmØ x 6mtrs	pc/s	37
		BI Threaded Pipes and Fittings	Lot	1
		BI Welded Pipes and Fittings	Lot	1
		Consumables	Lot	1
B BI Fittings				
		Elbow, 25mm	pc/s	20
		Tee, 50mm	pc/s	30
		Reducer, 75mm x 50 mm	pc/s	8
		Reducer, 50mm x 25 mm	pc/s	50
		Hangers and Support	Set	120
C Valves, Sprinkler Heads & Appurtenances				
		75mm Check Valve	pc/s	4

Upright Sprinkler Heads, 1/2"orif.x 1/2" NPT	pc/s	38
Pendent Sprinkler Heads, 1/2"orif.x 1/2" NPT	pc/s	64
Blind Flange 75mm	pc/s	1
D Sprinkler Fittings		
25mm Elbow 90	pc/s	60
25mm Tee	pc/s	32
25x15mm Coupling	pc/s	102
Floor Control Valve Assembly	Set	3
Fire Hose Valve,65 mm w/ cap	pc/s	3
Fire Hose Cabinets	pc/s	6
Fire Department Connection	pc/s	1
E Dry- Chemical Extinguishing Systems		
10LBS PFE FE-36	pc/s	8

SPL 8 - PLUMBING AND SANITARY WORKS

8.1 Plumbing System		
A Stainless Steel Water Tank (Horizontally Mounted) 5300 Liters	pc/s	2
B G.I PressureTank 82 Gallons	pc/s	1
C Water Pump (Shallow)1.5 Hp	pc/s	2
D Potable Lateral Water Lines & Roughing-in of Toilets		
Water Line System		
PPR Pipes PN 20		
40 mmØ x 4mtrs	pc/s	15
E PPR Pipes PN 16		
32 mmØ x 4mtrs	pc/s	20
20 mmØ x 4mtrs	pc/s	102
F Coupling		
40 mmØ	pc/s	15
32 mmØ	pc/s	20
20 mmØ	pc/s	102
G Equal Tee		
20 mmØ x 20 mmØ	pc/s	132
H Female Thread Tee		
20 mmØ x 1/2	pc/s	156
I Elbow 90		
40 mmØ	pc/s	12
32 mmØ	pc/s	12
20 mmØ	pc/s	86
J Female Thread 90 Elbow		
20 mmØ x 1/2	pc/s	132
32 mmØ x 20 mmØ	pc/s	89
K Gate Valve (Brass)		

20 mmØ	pc/s	145		
L Appurtences				
Shower Head	pc/s	47		
Shower Valve (15mmØ)	pc/s	46		
Faucet (15mmØ)	pc/s	46		
Lavatory Wall Hung	pc/s	48		
M Lavatory Counter Top				
Urinal with Flush valve	pc/s	6		
Water Closet Tank Type	pc/s	47		
Hose Bib	pc/s	47		
8.2 Sanitary and Waste System				
A Pipes and Fittings				
Pipes (PVC Series 1000)				
100 mmØ x 3 m	pc/s	24		
50 mmØ x 3 m	pc/s	24		
B Fittings				
Elbow (45°)				
100 mmØ	pc/s	148		
50 mmØ	pc/s	232		
Elbow (90°)				
100 mmØ	pc/s	42		
50 mmØ	pc/s	166		
Wye				
100 x 100 mmØ	pc/s	148		
100 x 50 mmØ	pc/s	198		
C Clean Out				
100 mmØ	pc/s	34		
P-Trap				
50 mmØ	pc/s	154		
D Floor Drain				
50 mmØ	pc/s	98		
E Hangers/Support	Lot	1		
F Consumables	Lot	1		
G Testing and Commisioning	Lot	1		
8.3 Storm Drainage System				
A Pipes and Fittings				
Pipes (PVC Series 1000)				
150mmØ x 3 m	pc/s	31		
100mmØ x 3 m	pc/s	52		

B Fittings		
Elbow (45°)		
100 mmø	pc/s	28
Elbow (90°)		
100 mmø	pc/s	14
Wye		
100 x 100 mmø	pc/s	14
Clean Out		
100 mmø	pc/s	14
Cleanout		
100 mmø	pc/s	14
C Hangers/Support	Lot	1
D Consumable Materials	Lot	1
E Testing and Commissioning	Lot	1
8.4 Septic Tank	Lot	1

SPL 9 - MECHANICAL WORKS

9.1 Supply and Installation of Ventillation and Airconditioning		
ACU (wall mounted) 2.5 Hp	pc/s	4.00
ACU (wall mounted) 2.0 Hp	pc/s	3.00
ACU (wall mounted) 1.0 Hp	pc/s	2.00
Fan (wall mounted) 20 Watts	pc/s	32.00
Toilet Exhaust Fan (wall mounted) 35 Watts	pc/s	6.00

SPL 10 - ELECTRICAL WORKS

10.1 Supply and Installation of Power and Lighting		
A. Lighting (Ground, Mezzanine, 2nd Floor, 3rd Floor)		
LED Downlight 15 Watts	pcs	272.00
Junction Box	pcs	272.00
One gang Switch	set	136.00
Two gang Switch	set	48.00
Three gang Switch	set	4.00
B. Power (Ground, Mezzanine, 2nd Floor, 3rd Floor)		
Outlet	set	213.00
Floor Outlet	pc	1.00
Square Box	pcs	214.00
C. Others		
2.0 sq. mm THHN wire	box	150.00
3.5 sq. mm THHN wire	box	150.00
5.5 sq. mm THHN wire	box	9.00
22 sq. mm THHN wire	box	2.00
30 sq. mm THHN wire	box	1.00

20mmø x 3 m (PVC)	pcs	2,141.00		
32mmø x 3 m(IMC)	pcs	25.00		
50mmø x 3 m(IMC)	pcs	5.00		
Panel Boards				
MDP	lot	1.00		
Main: 250AT/250AF in Nema 3R Enclosure				
GFPB	lot	1.00		
Panel board assembly with circuit breaker				
2FPB	lot	1.00		
Panel board assembly with circuit breaker				
3FPB	lot	1.00		
Panel board assembly with circuit breaker				
ACPB	lot	1.00		
Panel board assembly with circuit breaker				
Emergency Lights	pcs	21.00		
10.2 FDAS and CCTV				
A. FDAS (Ground, Mezzanine, 2nd Floor, 3rd Floor)				
Smoke Detector	pcs	87.00		
FACP	unit	1.00		
Fire Alarm Bell	pcs	8.00		
Conventional Manual Call Point	pcs	8.00		
1.25 sq. mm twisted pair shielded cable	m	765.96		
5.5 sq. mm THHN wire	m	5.00		
15mm x 3 m (PVC)	pcs	256.00		
B. CCTV (Roughing ins)				
25mm x 3 m (PVC)	pcs	125.00		
Consumables	lot	1.00		

PROJECT COST PHP -

PREPARED BY:

Contractor's Authorized Representative's Name and Signature

Contractor's Name

Address

Contact No.(s)

Date