



Republic of the Philippines  
Department of Science and Technology  
**PHILIPPINE SCIENCE HIGH SCHOOL**  
**MIMAROPA Region Campus**

PROJECT : DESIGN AND BUILD INFRASTRUCTURE PROJECT: CONSTRUCTION OF LABORATORY BUILDING I  
LOCATION : PSHS-MRC, ODIONGAN, ROMBLON  
OWNER : Philippine Science High School. MIMAROPA Region Campus  
FLOOR AREA :

**BILL OF QUANTITY**

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST
1	<b>Detailed Engineering Design</b>	1	lot	
2	<b>Mobilization and Demobilization</b>	1	lot	
3	<b>Tempfacil, Field Office, Warehouse, Temp. Fences</b>	1	lot	
4	<b>Permits and Clearances</b>	1	lot	
5	<b>Safety Sign-Including Warning Sign, Uniforms, Helmet(PPE)</b>	1	lot	
6	<b>Surveying and Staking</b>	1	lot	
7	<b>As-Built Plan</b>	1	lot	
8	<b>Construction of First Floor Laboratory Building</b>			
	<b>Earthworks</b>			
	Excavation works		cu.m.	
	Gravel Bedding		cu.m.	
	Backfilling and Compacting		cu.m.	
	Soil Treatment	1	lot	
	<b>Structural</b>			
	Steel Reinforcement		pcs	
	Formworks		sq.m.	
	Concreting		cu.m.	
	<b>Architectural</b>			
	Masonry Works		sq.m.	
	Steel Reinforcement		pcs	
	Supply and Installation of Glass Windows		sq.m.	
	Supply and Installation of Doors including accessories (Please input the dimension of every doors):			
	Glass Sliding Doors		pcs	
	Wooden Doors		pcs	
	PVC Doors		pcs	
	Steel Doors		pcs	
	Supply and Installation of toilet partition including accessories		sq.m.	
	Tiling Works for wall, floor and counter top of all Comfort Rooms including waterproofing works		sq.m.	
	Tiling Works for lobby, entrance, stage and dressing room area including waterproofing works		sq.m.	
	Application of epoxy paint for stairs, electrical room and main hall		sq.m.	
	Supply and Installation of wooden handrail and steel support for stairs	1	lot	
	Supply and Installation of sound insulation for wall and ceiling of the main hall		sq.m.	
	Painting for exterior and interior walls		sq.m.	
	Finishing and Restoration	1	lot	
	<b>Mechanical</b>			
	Supply and Installation of fire exit ladders	1	lot	
	Supply and installation of heating ventilation and airconditioning system	1	lot	
	Supply and Installation of exhaust located for all comfort rooms	1	lot	
	Supply and installation fire detection and alarm system	1	lot	
	Supply and installation fire extinguishers		unit	
	<b>Electrical</b>			
	Installation of Pipes and Fittings	1	lot	
	Supply and installation of Panel boards	1	lot	
	Supply and Installation of Lighting Fixtures and accessories:			

	Power Outlets		pcs	
	Switches and Lightings		pcs	
	Emergency Lights		pcs	
	Supply and installation of wires	1	lot	
	<b>Plumbing</b>			
	Supply and Installation of pipes, fittings and water meter	1	lot	
	Supply and Installation of plumbing fixtures including:			
	Urinals		pcs	
	Toilet bowls		pcs	
	Sinks		pcs	
	Handrail for PWD	1	lot	
	Supply and Installation of floor drains for all comfort rooms	1	lot	
<b>9</b>	<b>Construction of Second Floor Laboratory Building</b>			
	<b>Structural</b>			
	Steel Reinforcement		pcs	
	Formworks		sq.m.	
	Concreting		cu.m.	
	<b>Architectural</b>			
	Masonry Works		sq.m.	
	Steel Reinforcement		pcs	
	Supply and Installation of Glass Windows		sq.m.	
	Supply and Installation of Glass Sliding Doors, Wooden Doors, PVC Doors and Steel Doors including accessories (Please input the dimension of every doors):			
	Glass Sliding Doors		pcs	
	Wooden Doors		pcs	
	PVC Doors		pcs	
	Steel Doors		pcs	
	Supply and Installation of toilet partition including accessories		sq.m.	
	Tiling Works for wall, floor and counter top of all Comfort Rooms including waterproofing works		sq.m.	
	Tiling Works for corridor, computer science laboratory 1 & 2, network room and utility room including waterproofing works		sq.m.	
	Application of epoxy paint for stairs, electrical room, emergency exits, biology, chemistry, physics laboratory, central dispensing, biological storage including wood counter		sq.m.	
	Supply and Installation of wooden handrail and steel support for stairs	1	lot	
	Painting for exterior and interior walls		sq.m.	
	Finishing and Restoration	1	lot	
	<b>Mechanical</b>			
	Supply and Installation of fire exit steel ladders with platform	1	lot	
	Supply and installation split type airconditioning system for computer laboratory 1 & 2		unit	
	Supply and Installation of exhaust located for all comfort rooms		unit	
	Supply and installation of split type airconditioning unit for computer science laboratory 1 & 2		unit	
	Supply and installation of fire detection and alarm system	1	lot	
	Supply and installation of ventilation purge fan for chemistry laboratory		unit	
	Supply and installation water sprinklers	1	lot	
	Supply and installation of fire extinguishers		unit	
	Supply and installation of Equipments for physics, chemistry and biology laboratory			

	Fume Hood including ducting and its motor		unit	
	Eye Wash		unit	
	Safety Shower		unit	
	<b>Electrical</b>			
	Installation of Pipes and Fittings	1	lot	
	Supply and installation of Panel boards	1	lot	
	Supply and installation of Outlet and Lights including emergency lights			
	Power Outlets		pcs	
	Switches and Lightings		pcs	
	Emergency Lights		pcs	
	Supply and installation of wires	1	lot	
	<b>Plumbing</b>			
	Supply and Installation of pipes, fittings and other devices	1	lot	
	Supply and Installation of plumbing fixtures including accessories:	1	lot	
	Urinals		unit	
	Toilet bowl		unit	
	Sink		unit	
	Handrail for PWD		unit	
	Supply and Installation of floor drains for all comfort rooms	1	lot	
	Supply and Installation of two floor drains for physics, biology and chemistry laboratory and one floor drain every demonstration table	1	lot	
<b>10</b>	<b>Construction of Third Floor Laboratory Building</b>			
	<b>Structural</b>			
	Steel Reinforcement		pcs	
	Formworks		sq.m.	
	Concreting		cu.m.	
	<b>Architectural</b>			
	Masonry Works		sq.m.	
	Steel Reinforcement		pcs	
	Supply and Installation of Glass Windows		sq.m.	
	Supply and Installation of Glass Sliding Doors, Wooden Doors, PVC Doors and Steel Doors including accessories (Please input the dimension of every doors):			
	Glass Sliding Doors		pcs	
	Wooden Doors		pcs	
	PVC Doors		pcs	
	Steel Doors		pcs	
	Supply and Installation of toilet partition including accessories		sq.m.	
	Tiling Works for wall, floor and counter top of all Comfort Rooms including waterproofing works		sq.m.	
	Tiling Works for corridor, outdoor animal house, utility room including waterproofing works		sq.m.	
	Application of epoxy paint for stairs, electrical room, emergency exits, research lab 1, research lab 2, research lab 3, isolation rooms, chemical storage, animal lab, central dispensing including installation of wood counter		sq.m.	
	Supply and Installation of wooden handrail and steel support for stairs	1	lot	
	Painting for exterior and interior walls		sq.m.	
	Finishing and Restoration	1	lot	
	<b>Mechanical</b>			
	Supply and Installation of fire exit steel ladders with platform	1	lot	
	Supply and Installation of exhaust located for all comfort rooms		unit	

	Supply and installation fire detection and alarm system		unit	
	Supply and installation water sprinklers		unit	
	Supply and installation fire extinguishers		unit	
	Supply and installation of Equipments for research lab 1, research lab 2, research lab 3:			
	Fume Hood including ducting and its motor		unit	
	Eye Wash		unit	
	Safety Shower		unit	
	<b>Electrical</b>			
	Installation of Pipes and Fittings	1	lot	
	Supply and installation of Panel boards	1	lot	
	Supply and installation of Outlet and Lights including emergency lights:			
	Power Outlets		pcs	
	Switches and Lightings		pcs	
	Emergency Lights		pcs	
	Supply and installation of wires	1	lot	
	<b>Plumbing</b>			
	Supply and Installation of pipes, fittings and other devices	1	lot	
	Supply and Installation of plumbing fixtures including:			
	Urinals		unit	
	Toilet bowl		unit	
	Sink		unit	
	Handrail for PWD		lot	
	Supply and Installation of floor drains for all comfort rooms	1	lot	
	Supply and Installation of two floor drains for research lab 1, research lab 2, research lab 3 including installation of wood counter at central dispensing area	1	lot	
<b>11</b>	<b>Construction of Roof Deck Laboratory Building</b>			
	<b>Structural</b>			
	Steel Reinforcement		pcs	
	Formworks		sq.m.	
	Concreting		cu.m.	
	<b>Architectural</b>			
	Masonry Works		sq.m.	
	Steel Reinforcement		pcs	
	Supply and Installation of Glass Windows		sq.m.	
	Supply and Installation of Glass Sliding Doors and Wooden Doors including accessories (Please input the dimension of every doors):			
	Glass Sliding Doors		sq.m.	
	Wooden Doors		sq.m.	
	Tiling Works for corridor, preparation room, lecture room including waterproofing works		sq.m.	
	Application of waterproofing for Roof Deck Area		sq.m.	
	Supply and Installation of wooden handrail and steel support for stairs	1	lot	
	Painting for exterior and interior walls		sq.m.	
	Finishing and Restoration	1	lot	
	<b>Mechanical</b>			
	Supply and Installation of fire exit steel ladders with platform	1	lot	
	Supply and installation fire detection and alarm system	1	lot	
	Supply and installation water sprinklers	1	lot	
	Supply and installation fire extinguishers		pcs	
	Supply and installation of Roofing with Steel Framing for corridor area		sq.m.	

	<b>Electrical</b>			
	Installation of Pipes and Fittings	1	lot	
	Supply and installation of Panel boards	1	lot	
	Supply and installation of Outlet and Lights including emergency lights:			
	Power Outlets		pcs	
	Switches and Lightings		pcs	
	Emergency Lights		pcs	
	Supply and installation of wires	1	lot	
	<b>Plumbing</b>			
	Supply and Installation of pipes, fittings and other devices	1	lot	
	Supply and Installation of fifteen floor drains for Roof Deck Area	1	lot	
<b>12</b>	<b>Construction of Water Tank</b>	1	lot	
<b>13</b>	<b>Construction of Elevator</b>			
	Supply and Installation of Hydraulic Elevator with 1000kgs minimum load capacity	1	lot	
<b>14</b>	<b>Construction of Septic Tank</b>			
	Steel Reinforcement		pcs	
	Formworks		sq.m.	
	Concreting and Waterproofing Works		sq.m.	
	Supply and Installation of pipes, fittings and other devices	1	lot	
<b>15</b>	<b>Others</b>			
	Aluminum Cladding	1	lot	
<b>16</b>	<b>Electronics and Communication</b>			
	Public Address Sytem	1	lot	
	WAN/LAN/ Network Cable Provision	1	lot	
	CCTV System	1	lot	
<b>TOTAL PROJECT COST</b>				

PREPARED BY:

\_\_\_\_\_  
Contractor's Authorized Representative's Name and Signature

\_\_\_\_\_  
Contractor's Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Contact No.(s)