REGION II TRAUMA AND MEDICAL CENTER

Project Name: **Re-Bidding for the Expansion of Maintenance Building**
Project Location: **Magsaysay, Bayombong, Nueva Vizcaya**

Subject: **Detailed Estimates**

Item No.	Description	Qty	Unit	Material Cost	Labor Cost	Equipment Cost	Estimated Direct Cost	Mark-ups (%)		Total Mark-up		VAT=5%(EDC+ OCM+Profit)	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit	%	Value				
I	**GENERAL REQUIREMENTS**	**1.00**	**lot**												
	(a). Mobilization/Demobolization Temporary/Facilities, Water and Electric Consumption, Safety and Health Program Project Billboard	1.00	lot												
	Sub-Total														
II	**EARTHWORKS (EXCAVATION, BACKFILLING, LEVELLING, GRAVEL BEDDING)**	**52.84**	**cu.m.**												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Helper														
	Equipment:	unit	days												
	Excavator	1.00	2.00												
	Dumptruck	1.00	2.00												
	Plate Compactor	1.00	4.00												
	Sub-Total														
III	**DEMOLITION AND REMOVAL OF EXISTING WINDOWS**	**1.00**	**lot**												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Helper														
	Equipment:	unit	days												
	Breaker	1.00	6.00												
	Sub-Total														
IV	**FORMWORKS AND SCAFFOLDINGS**	**1.00**	**lot**												
	Materials:														
	1/2" Phenolic Board, 4" X 8"	30.00	pcs.												
	Assorted Good Lumber	500.00	bd. ft.												
	Assorted Common Wire Nails (25kg/ box)	1.00	box												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker														
	Helper														
	Equipment:	unit	days												
	Rental of G.I. Pipes with Swivel Clamps, steel platforms	1.00	lot												
	Sub-Total														
V	**CONCRETE WORKS**	**29.45**	**cu.m.**												
	Materials:														
	Portland Cement	266.00	bags												
	Sand, S1	15.00	cu.m.												
	Gravel, G1	30.00	cu.m.												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker														
	Helper														
	Equipment:	eqpt	days												
	Concrete Mixer, 1 bagger	1.00	-												
	Concrete Vibrator	1.00	-												
	Sub-Total														
VI	**REINFORCING STEEL BARS**	**1.00**	**lot**												
	Materials:														
	10mmØ RSB, 6m	116.00	pcs												

	12mmØ RSB, 6m	105.00	pcs												
	16mmØ RSB, 6m	231.00	pcs												
	20mmØ RSB, 6m	1.00	pcs												
	#16 G.I. Tiewire (35kg)	4.00	rolls												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker														
	Helper														
	Equipment	eqpt	days												
	Cutting Machine/Cut-off Wheel	1.00	-												
	Sub-Total														
VII	**MASONRY WORKS**														
	(a) CHB Laying	**164.80**	**sq.m.**												
	Materials:														
	Portland Cement	167.00	bags												
	Sand, S-1	14.00	cu.m.												
	150mm CHB	2,163.00	pcs												
	10mmø RSB	118.00	pcs												
	#16 G.I Tie Wire	10.00	kgs												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker / Mason														
	Helper														
	Sub-Total														
	(b) Plastering	**329.59**	**sq.m.**												
	Materials:														
	Portland Cement	109.00	bags												
	Screened Sand, S1	10.00	cu.m												
	Labor:	man	days												
	Project Engineer	1.00	7.00												
	Foreman	1.00	7.00												
	Skilled Worker / Mason	3.00	7.00												
	Helper	6.00	7.00												
	Sub-Total														
VIII	**CONCRETE TOPPING**	**128.00**	**sq.m.**												
	Materials:														
	Portland Cement	40.00	bags												
	Screened Sand, S-1	4.00	cu.m												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker / Tile Setter														
	Helper														
	Sub-Total														
IX	**CEILING WORKS**	**128.00**	**sq.m.**												
	Materials:														
	6" x 0.4mm thk Metal Spandrel Ceiling Panel, ribbed type	280.00	l.m.												
	4.5mm thk Fiber Cement Board, 4ft x 8ft	45.00	pcs												
	Carrying Channel 38mm x 12mm x 0.60mm, 5.0m	50.00	pcs												
	Double Furring 50mm x 19mm x 0.40mm, 5.0m	50.00	pcs												
	Wall Angle 25mm x 25mm x 0.40mm, 3.0m	56.00	pcs												
	Connecting Clip	380.00	pcs												
	Rod Suspension Hanger	120.00	sets												
	#8 tox, 100/box	7.00	boxes												
	1/8" x 1/2" Blind Rivets, 1000pcs/box	2.00	boxes												
	Black Screw	1,998.00	pcs												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker / Carpenter														
	Helper														
	Sub-Total														
X	**PAINTING WORKS**	**457.59**	**sq.m.**												
	Materials:														
	Concrete Walls, Columns, and Beams														

	Exterior														
	Concrete Neutralizer	1.00	liter												
	Acrylic Concrete Primer and Sealer	6.00	gal												
	Elastomeric Putty (full)	11.00	gal												
	Acrylic Odourless Elastomeric Paint	11.00	gal												
	Interior														
	Concrete Neutralizer	1.00	gal												
	Acrylic Concrete Primer and Sealer	9.00	gal												
	Latex Putty (full)	9.00	gal												
	Anti-Bacterial, Odourless & Stain-Resistant Paint	11.00	gal												
	Ceiling														
	Acrylic Concrete Primer and Sealer	6.00	gal												
	Latex Putty (full)	6.00	gal												
	Anti-Bacterial, Odourless & Stain-Resistant Paint	8.00	gal												
	Miscellaneous														
	7" Roller paint with pan	8.00	sets												
	Paint Brush, 4"	7.00	pcs												
	Paint Brush, 2"	7.00	pcs												
	Paint Brush' 1"	7.00	pcs												
	Sandpaper, #100	30.00	ft												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker / Painter														
	Helper														
	Sub-Total														
XI	FENESTRATION WORKS (INLCUDES UTILIZATION OF EXISTING WINDOWS, INCLUSION OF CLEANING AND REPAINTING)	1.00	lot												
	Materials:														
	Door:														
	1.00m x 2.10m Single Leaf Swing Hollow Core Wooden Door, Lockset and Door Jamb, and Hinges and Complete Hardware Accessories	2.00	set												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker / Painter														
	Helper														
	Sub-Total														
XII	ROOFING WORKS														
	(a) Steel Truss	**1.00**	**lot**												
	Materials:														
	2" x 2" x 2.5mm Angle bar	96.00	pcs.												
	10mmØ round bar, Sagrod	41.00	pcs.												
	100mm x 50mm x 1.5mm C-Purlins	71.00	pcs.												
	5/8"x 4" Expansion Bolt with accessories	120.00	pcs.												
	20mmØ x 150mm Anchor Bolt with Knot and Washer	18.00	pcs.												
	100mm x 430mm x 10mm Steel Plate	7.00	pcs												
	100mm x 250mm x 10mm Steel Plate	6.00	pcs												
	200mm x 200mm x 10mm Steel Plate	4.00	pcs												
	100mm x 400mm x 10mm Steel Plate	17.00	pcs												
	4" Steel Pipe Sch. 20	4.00	pcs												
	Welding Rod,5kgs/box	24.00	boxes												
	Grinding Disc 4"	100.00	pcs												
	Cut-off Wheel 14"	15.00	pcs												
	Red Oxide Primer	20.00	gal.												
	Paint Thinner	40.00	bots												
	Paint Brush 4"	20.00	pcs												
	Paint Brush 2"	20.00	pcs.												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker														
	Helper														
	Equipment	eqpt	days												
	Welding Machine	2.00	12.00												
	Cutting Machine	1.00	12.00												

	Sub-Total														
	(b) Roofing Sheet	**250.90**	**sq.m.**												
	Materials:														
	0.5mm x 3ft x 12ft G.I. Sheet, Rib Type	140.00	pcs												
	0.5mm x 4ft x 8ft G.I. Sheet, Plain	8.00	pcs												
	2 1/2" Teckscrew, Metal	2,500.00	pcs												
	Weatherproofing Sealant, 1.0kg	6.00	kgs												
	10mm thk Double Sided Insulation, 50m.	5.00	rolls												
	0.5mm Pre Painted Pre Fabricated Ridge Cap Flashing, 2.40m	2.00	pcs												
	0.5mm Pre Painted Pre Fabricated Flashing, 2.40m	6.00	pcs												
	0.5mm thk G.I. Fascia	24.00	pcs												
	0.5mm thk x 12" Spanish Gutter, 8'	24.00	pcs												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker / Tinsmith														
	Helper														
	Equipment	eqpt	days												
	Electric Hand Drill	1.00	7.00												
	Sub-Total														
XIII	**ELECTRICAL WORKS**	**1.00**	**lot**												
	Protection														
	Materials:														
	20 Branches Panel Board, 3-Pole Bolt-on with 150AT/225AF, 230Volts, THQD Main	1.00	set												
	30AT/50AF, Circuit Breaker, 2-pole, 10KAIC, bolt-on	12.00	pcs.												
	20AT/50AF, Circuit Breaker, 2-pole, 10KAIC, bolt-on	8.00	pcs.												
	Labor:														
	Labor Cost	1.00	lot												
	Wires														
	Materials:														
	50mm² THHN Copper Wire	9.00	mtrs												
	5.5mm² THHN Copper Wire	4.00	box												
	3.5mm² THHN Copper Wire	6.00	box												
	14 mm² TW Copper Wire (Grounding Condcutor)	3.00	mtrs												
	3.5 mm² TW Copper Wire (Grounding Condcutor)	3.50	box												
	Labor:														
	Labor Cost	1.00	lot												
	Lighting Fixtures														
	Materials:														
	12" x 36" Surface Mounted Flourescent Housing T8 Prismatic Aluminu Reflector with 2-pcs. 18 Watts T8 LED Daylight Straight Fluorescent Tube Double Ended	14.00	sets												
	High bay aluminum reflector	10.00	sets												
	High Bay reflector bracket with E27 receptacle	10.00	sets												
	12watts LED Bulb DL E27	10.00	sets												
	Labor:														
	Labor Cost	1.00	lot												
	Switches, Switch Plate and Convenience Outlet														
	Materials:														
	1 gang single pole switch wide series	3.00	sets												
	2-gang single pole switch wide series	3.00	sets												
	3-gang single pole switch wide series	1.00	set												
	Duplex 3-pronge universal convenience outlet with ground, 16A/230V, wdie series	84.00	sets												
	2gang modular telephone modular jack wdie series	28.00	sets												
	aircon outlet wide series	10.00	sets												
	Labor:														
	Labor Cost	1.00	lot												
	Raceway														
	Materials:														
	Utility box GI deep type	43.00	pcs.												
	Junction box with cover, uPVC	24.00	pcs.												
	20mmØ uPVC Thick Wall	120.00	pcs.												
	25mmØ uPVC Thick Wall	80.00	pcs.												
	20mmØ uPVC long elbow	65.00	pcs.												

	25mmØ uPVC long elbow	80.00	pcs.												
	20mmØ uPVC connector	24.00	pcs.												
	45mmØ uPVC Thick Wall	1.00	pc.												
	45mmØ uPVC Male Threaded adaptor	1.00	pcs.												
	45mmØ uPVC lock-nut	1.00	pcs.												
	Labor:														
	Labor Cost	1.00	lot												
	Other Materials														
	Materials:														
	250 ml.PVC Solvent	4.00	cans												
	Electrical Tape	8.00	rolls												
	Tie Wire	2.00	kgs												
	3-inches cable tie	40.00	pcs.												
	250ml Vulca Seal	1.00	can												
	red oxide	1.00	liters												
	2"paint brush	1.00	pcs												
	Ground clamp	1.00	pc												
	Copper coated ground rod	1.00	pc												
	50mm² solderless Connector	3.00	pcs.												
	Rubber Tape	2.00	rolls												
	Hack Saw Blade	1.00	pcs.												
	Labor:														
	Installation Cost	1.00	lot												
	Sub-Total														
XIV	**PLUMBING WORKS**	**1.00**	**lot**												
	Materials:														
	3" Ø uPVC Rainwater Pipe, series 1000, 3m	14.00	pcs												
	3"Ø uPVC Sanitary Elbow 90˚	42.00	pcs												
	Solvent Cement (200cc/can)	14.00	cans												
	Labor:	man	days												
	Project Engineer														
	Construction Foreman														
	Skilled Worker														
	Helper														
	Sub-Total														
	GRAND TOTAL														

Submitted by:

Name of the Representative of the Bidder: _____
Position: _____
Signature of the Bidder: _____
Date: _____