



Bid Form for the Procurement of Infrastructure Projects
[shall be submitted with the Bid]

BID FORM

Construction of Mother Cistern Tank including Pipe Lines laying and Rain Water Tank Collector

Date : _____
 Project Identification No. _____

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

Description of Requirement/ Project	Approved Budget for the Contract (ABC), inclusive of all applicable taxes and other charges	Total Bid Price, inclusive of all applicable taxes and other charges
Construction of Mother Cistern Tank including Pipe Lines laying and Rain Water Tank Collector	Php 6,140,000.00 Any bid with financial proposal exceeding the amount shall not be accepted	

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,

Printed Name and Signature of Proprietor/Manager/Authorized Representative

- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

¹ currently based on GPPB Resolution No. 09-2020

Printed Name and Signature of Proprietor/Manager/Authorized Representative



Republic of the Philippines
 Department of Health
 Central Visayas Center for Health Development
 DON EMILIO DEL VALLE MEMORIAL HOSPITAL
 PHILHEALTH ACCREDITED HEALTHCARE PROVIDER
 ISO 9001:2015 QMS CERTIFIED

BILL OF QUANTITIES

Project Name/Description:		CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR			
Project Location:		DEVMH Compound, Bood, Ubay, Bohol			
Duration:		___ Calendar Days			
Item No.	Description	Qty	Unit	Adjusted Direct Unit Cost	Total Amount
A.	GENERAL REQUIREMENTS				
A.1	Mobilization/Demobilization	1.00	lot/s		
A.2	Permits & Licenses				
A.2.1	Structural Design Review Including Sign and Sealed of Structural Plans by Structural Engineer	1.00	lot/s		
A.2.2	Electrical Review, Analysis, Computations including sign & sealed of Electrical plans by PEE	1.00	lot/s		
A.3	Temporary Facilities				
A.3.1	Temporary Office/bunkhouse	1.00	lot/s		
A.4	Health, Safety & Environment Control (Complete PPE, Safety Equipment & Devices & Safety Accessories and Signages)	1.00	lot/s		
A.5	As Built Plans (Hardcopy & Softcopy - Autocad file)	1.00	lot/s		
I	EARTHWORKS				
I.1	Excavation	321.00	cu.m/s		
I.2	Backfilling Including Compaction	120.00	cu.m/s		
II.	STRUCTURAL CONCRETE (Incl. forms & scaffoldings)				
II.1	Monolithic Reinf. Concrete, Cistern Tank Slab and Chamber Walls, 4000 psi	76.22	cu.m/s		
II.1.1	Portland Cement		bag/s		
II.1.2	Fine Aggregates		cu.m/s		
II.1.3	Coarse Aggregates		cu.m/s		
II.1.4	Deformed Bar, 12mmØ, Grade 40		kg/s		
II.1.5	Deformed Bar, 16mmØ, Grade 40		kg/s		
II.1.6	G.I. Tie Wire, #16		kg/s		
II.2	Formworks & Scaffoldings	236.63	cu.m/s		
II.2.1	Concrete formworks and form accessories, braces, scaffoldings, shoring, hoist, etc.		sq.m/s		
III.	STEEL WORKS				
III.1	Steel columns, Steel roofing beams & rafters, and Steel enclosure	1.00	lot/s		
III.1.1	G.I. Pipe 3"Ø Sched. 40		length/s		
III.1.2	G.I. Pipe 2"Ø Sched. 40		length/s		
III.1.3	Steel Matting 4.5mm Gauge		sheet/s		
III.1.4	Angle Bar 1 1/2"x1 1/2"x1/4"		length/s		
III.1.5	Angle Bar 1 1/2"x1 1/2"x3/16"		length/s		
III.1.6	Cee Purlins 2"x3"x1.0mm thick		length/s		
III.2	Manhole Cover and Stainless Steel Ladder	1.00	lot/s		
III.2.1	Angle Bar 1 1/2"x1 1/2"x1/4"		length/s		
III.2.2	Stainless Steel Plate 3mm thick		sheet/s		
III.2.3	Expansion Bolt 12mm x 2"		pc/s		
III.2.4	10mmØ Stainless Round Bar (for manhole cover handle), 6 meters		length/s		
III.2.5	20mmØ Stainless Round Bar (for Ladder), 6 meters		kg/s		
III.3	Miscellaneous		lot/s		
III.3.1	Welding Rod no.12		kg/s		
III.3.2	Epoxy Primer gray		gal/s		

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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Project Location:		DEVMH Compound, Bood, Ubay, Bohol			
Duration:		___ Calendar Days			
Item No.	Description	Qty	Unit	Adjusted Direct Unit Cost	Total Amount
III.3.3	Other miscellaneous		lot/s		
IV.	ROOFING				
IV.1	Roofing	191.00	l.m./s		
IV.1.1	Pre-Painted Longspan Rib-type G.I. Roof, 0.60mm thk x 1.10m		l.m./s		
IV.1.2	Touch-Up Paint		gal/s		
IV.1.3	Tekscrew For Steel # 2 1/2		pc/s		
IV.1.4	Roof Silicon Sealant		tube/s		
V.	FINISHES				
V.1	Painting Works (Steel Enclosure)	1.00	lot/s		
V.1.1	Epoxy Primer		gal/s		
V.1.2	Epoxy Enamel (Shades of Gray)		gal/s		
V.1.3	Paint Thinner		gal/s		
V.1.4	Paint Brush 2"		pc/s		
V.1.5	Baby Roller		pc/s		
V.1.6	Paint Tray		pc/s		
V.2	Below Ground Cistern Tank Lining	66.00	sq.m./s		
V.2.1	Food grade/safe Epoxy Tank Lining, 2 coats		gal/s/s		
VI.	THERMAL AND MOISTURE PROTECTION				
VI.1	Installation of Swellable Waterstop Strips	181.00	kg/s		
VI.1.1	Bentonite water stops 3/4" x 1" x 5 meters	1.00	lot/s		
VI.1.2	Miscellaneous	1.00	lot/s		
VI.2	Secondary Waterproofing: Integral Waterproofing Liquid Admixture	76.22	cu.m./s		
VI.2.1	Integral Waterproofing Liquid Admixture	1.00	lot/s		
VI.2.2	Miscellaneous	1.00	lot/s		
VI.3	Sealing of Leaks, Cracks, Cold-Joints and Holes incl. Pipe Penetrations & Corners	1.00	lot/s		
VI.3.1	Surface Preparation - Surface grinding, routing out of cracks, joints for repair, pressure wash	341.25	sq.m./s		
VI.3.2	Leak-plug, Rapid-setting Mortar for Plugging Leaks on Concrete	1.00	lot/s		
VI.3.3	Non-solvent Polymer Sealant for Pipe Penetrations & Embedded Steel Stud Bolts	15.00	tube/s		
VI.3.4	Miscellaneous	1.00	lot/s		
VI.4	Primary Waterproofing: Crystalline Capillary Waterproofer	682.50	sq.m./s		
VI.4.1	Application of Crystalline Waterproofer (2 layers/coats) - Application of crystalline waterproofing and mortar to watertight the cracks and joints	1.00	lot/s		
VI.4.2	Miscellaneous	1.00	lot/s		
VII.	PLUMBING WORKS				
VII.1	Waterline Pipings, Fittings ^ Accessories (for water transfer flow)	1.00	lot/s		
VII.1.1	PVC Pipe 4"Ø S 1000		length/s		
VII.1.2	PVC Elbow 4" x 90 deg.		pc/s		
VII.1.3	PVC Clean Out 4" Ø		pc/s		
VII.1.4	PVC Solvent		liter/s		
VII.2	Waterline Pipings, Fittings ^ Accessories (for water distribution)	1.00	lot/s		
VII.2.1	Fiberglass Pressure Tank 80 gal/slons		pc/s		

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Duration:		___ Calendar Days			
Item No.	Description	Qty	Unit	Adjusted Direct Unit Cost	Total Amount
VII.2.2	Centrifugal/s Pump 2hp		set/s		
VII.2.3	PPR Pipe 1 1/4"Ø		length/s		
VII.2.4	PPR Elbow 1 1/4"Ø plain		pc/s		
VII.2.5	PPR Union Coupling 1 1/4"Ø		pc/s		
VII.2.6	PPR Tee 1 1/4"Ø		pc/s		
VII.2.7	Gate Valve Solid Brass 1 1/4"Ø		pc/s		
VII.2.8	PPR Reducer 1 1/4" x 1"		pc/s		
VII.2.9	PPR Male Adaptor 1 1/4"Ø		pc/s		
VII.2.10	Foot Valve Solid Brass 1 1/4"Ø		pc/s		
VII.2.11	PPR Tee Threaded 1 1/4"Ø		pc/s		
VII.2.12	Bushing Reducer Stainless 1 1/4" x 1/4"		pc/s		
VII.2.13	Nipple Stainless 1/4"x2"		pc/s		
VII.2.14	PPR Elbow Threaded 1 1/4"Ø		pc/s		
VII.2.15	Pressure Gauge		pc/s		
VII.2.16	Pressure Switch		pc/s		
VII.2.17	PPR Pipe 1"Ø (5m per kg/s)		length/s		
VII.2.18	PPR Coupling 1"Ø		pc/s		
VII.2.19	PPR Elbow Plain 1"Ø		pc/s		
VII.2.20	PPR Female Adaptor 1"Ø		pc/s		
VII.2.21	Float Valve Solid Brass 1"Ø		pc/s		
VII.2.22	Teflon Tape 1"		pc/s		
VII.2.23	PPR Tee Plain 1"Ø		pc/s		
VII.2.24	Stainless Water Tank 4cubic meter capacity		set/s		
VII.3	Waterline Pipings, Fittings ^ Accessories (for main pipe source to mother cistern tank connections)	1.00	lot/s		
VII.3.1	HDPE Pipe, PE100, DN63 2"Ø, SDR9/PN20		meter/s		
VII.3.2	Miscellaneous		lot/s		
VII.3.3	P.E. Coupling 2"Ø		pc/s		
VII.3.4	P.E. Male Adaptor 2"Ø		pc/s		
VII.3.5	Water Meter 2"Ø		pc/s		
VII.3.6	Gate Valve Solid Brass 2"Ø		pc/s		
VII.3.7	Float Valve 2"Ø		pc/s		
VII.3.8	P.E. Elbow 2"		pc/s		
VIII.	ELECTRICAL WORKS				
VIII.1	Panel Boards	1.00	lot/s		
VIII.1.1	Cistern Tank Panel Board Fabricated and assembled in NEMA 1 in surface/wall mounted enclosure Gauge No. 16, powder-coated finish, wrinkled beige Complete with deadfront, ground bus & crimp type terminal lugs Main: MCCB rated at 80AT, 3P, 230V Branches: 2 - MCCB rated 20AT, 2P, 230V 4 - MCCB rated 30AT, 2P, 230V	1.00	set/s		

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Duration:	___ Calendar Days

Item No.	Description	Qty	Unit	Adjusted Direct Unit Cost	Total Amount
VIII.2	Circuit Breakers	1.00	lot/s		
VIII.2.1	MCCN rated at 80AT, 3P, 230V	1.00	set/s		
VIII.3	Roughing-ins	1.00	lot/s		
VIII.3.1	PVC 32 mm Ø		kg/s		
VIII.3.2	PVC 32 mm Ø, elbow 90 deg.		pc/s		
VIII.3.3	32 mm Ø, IMC with coupling		kg/s		
VIII.3.4	PVC Connector 1/2"Ø		pc/s		
VIII.3.5	PVC Pipe 1/2"Ø orange for electrical		pc/s		
VIII.3.6	Electrical Tape		pc/s		
VIII.3.7	Utility Box		pc/s		
VIII.3.8	Junction Box		box/es		
VIII.4	Wires and Cables	1.00	lot/s		
VIII.4.1	THHN/THWN Wire 2.0 sq.mm. str.		meter/s		
VIII.4.2	THHN/THWN Wire 3.5 sq.mm. str.		meter/s		
VIII.4.3	THHN/THWN Wire 5.5 sq.mm. str.		meter/s		
VIII.4.4	THHN/THWN Wire 8.0 sq.mm. str.		meter/s		
VIII.4.5	THHN/THWN Wire 14.0 sq.mm. str.		meter/s		
VIII.4.6	THHN/THWN Wire 22.0 sq.mm. str.		meter/s		
VIII.5	Wiring Devices	1.00	lot/s		
VIII.5.1	Switch 2 Gang Flush Type	1.00	pc/s		
VIII.5.2	Switch 3 Gang Flush Type	1.00	pc/s		
VIII.5.3	Weatherproof type Outlet Flush Type 2 gang	2.00	pc/s		
VIII.6	Lighting Fixtures	1.00	lot/s		
VIII.6.1	1x16W LED, Surfaced, Single Ended, Moisture and Dust-Proof type luminaire	5.00	pc/s		
VIII.6.2	Led Bulb 9watts	2.00	pc/s		
VIII.6.3	Plastic Socket	2.00	pc/s		
TOTAL BID COST					

Bid Amount in Figures: _____
 Bid Amount in Words: _____
 Name of the Construction Firm: _____
 Printed Name of the Proprietor/Authorized Representative: _____
 Signature of the Proprietor/Authorized Representative: _____
 Date: _____

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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DETAILED BILL OF QUANTITIES

Project Name/Description: **CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**
 Project Location: **DEVMH Compound, Bood, Ubay, Bohol**
 Duration: _____ Calendar Days

Item No.	Description	%	Qty	Unit	Direct Unit Cost	Total Direct Cost	Mark-Up in Percent		Total Mark-up	VAT (TDC+TMU) 5.00%	Total Indirect Cost	Total Amount	Adjusted Unit Cost
							OCM	Profit					
A. GENERAL REQUIREMENTS													
A.1	Mobilization/Demobilization		1.00	lot/s									
A.2	Permits & Licenses												
A.2.1	Structural Design Review Including Sign and Sealed of Structural Plans by Structural Engineer		1.00	lot/s									
A.2.2	Electrical Review, Analysis, Computations including sign & sealed of Electrical plans by PEE		1.00	lot/s									
A.3	Temporary Facilities												
A.3.1	Temporary Office/burkhouse		1.00	lot/s									
A.4	Health, Safety & Environment Control (Complete PPE, Safety Equipment & Devices & Safety Accessories and Signages)		1.00	lot/s									
A.5	As Built Plans (Hardcopy & Softcopy - Autocad file)		1.00	lot/s									
I. EARTHWORKS													
I.1	Excavation		321.00	cu.m./s									
I.2	Backfilling including Compaction		120.00	cu.m./s									
II. STRUCTURAL CONCRETE (incl. forms & scaffolding)													
II.1	Monolithic Reinf. Concrete, Cistern Tank Slab and Chamber Walls, 4000 psi		76.22	cu.m./s									
II.1.1	Portland Cement			bag/s									
II.1.2	Fine Aggregates			cu.m./s									
II.1.3	Coarse Aggregates			cu.m./s									
II.1.4	Deformed Bar, 12mmØ, Grade 40			kg/s									
II.1.5	Deformed Bar, 16mmØ, Grade 40			kg/s									
II.1.6	G.I. Tie Wire, #16			kg/s									
II.2	Formwork & Scaffolding		236.63	cu.m./s									
II.2.1	Concrete formworks and form accessories, braces, scaffolding, shoring, hoist, etc.			sq.m./s									
III. STEEL WORKS													
III.1	Steel columns, Steel roofing beams & rafters, and Steel enclosure		1.00	lot/s									
III.1.1	G.I. Pipe 3"Ø Sched. 40			length/s									
III.1.2	G.I. Pipe 2"Ø Sched. 40			length/s									
III.1.3	Steel Matting 4.5mm Gauge			sheet/s									
III.1.4	Angle Bar 1 1/2"x1 1/2"x3/16"			length/s									
III.1.5	Angle Bar 1 1/2"x1 1/2"x3/16"			length/s									
III.1.6	Cee Purins 2"x3"x1.0mm thick			length/s									
III.2	Manhole Cover and Stainless Steel Ladder		1.00	lot/s									
III.2.1	Angle Bar 1 1/2"x1 1/2"x1/4"			length/s									
III.2.2	Stainless Steel Plate 3mm thick			sheet/s									
III.2.3	Expansion Bol. 12mm x 2"			pc/s									
III.2.4	10mmØ Stainless Round Bar (for Manhole Cover Handle), 6 meters			length/s									
III.2.5	20mmØ Stainless Round Bar (for Ladder), 6 meters			kg/s									
III.3	Miscellaneous		1.00	lot/s									
III.3.1	Welding Rod no.12			kg/s									
III.3.2	Epoxy Primer prax			gal/s									
III.3.3	Other miscellaneous			lot/s									
IV. ROOFING													
IV.1	Roofing		191.00	l.m./s									
IV.1.1	Pre-Painted Longspan RB-type G.I. Roof, 0.60mm thk x 1.10m			l.m./s									

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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DETAILED BILL OF QUANTITIES

Project Name/Description: **CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**
 Project Location: **DEVMH Compound, Bood, Ubay, Bohol**
 Duration: _____ Calendar Days

Item No.	Description	%	Qty	Unit	Direct Unit Cost	Total Direct Cost	Mark-Up in Percent		Total Mark-up	VAT (TDC+TMU) 5.00%	Total Indirect Cost	Total Amount	Adjusted Unit Cost
							OCM	Profit					
IV.1.2	Touch-Up Paint			gal/s									
IV.1.3	Takacrow For Steel #2 1/2			pc/s									
IV.1.4	Roof Silicon Sealant			tube/s									
V.	FINISHES												
V.1	Painting Works (Steel Enclosure)		1.00	lot/s									
V.1.1	Epoxy Primer			gal/s									
V.1.2	Epoxy Enamel (Shades of Gray)			gal/s									
V.1.3	Paint Thinner			gal/s									
V.1.4	Paint Brush 2"			pc/s									
V.1.5	Baby Roller			pc/s									
V.1.6	Paint Tray			pc/s									
V.2	Below Ground Cistern Tank Lining		66.00	sq.m./s									
V.2.1	Food grade/safe Epoxy Tank Lining, 2 coats			gal/s									
VI.	THERMAL AND MOISTURE PROTECTION												
VI.1	Installation of Swellable Waterstop Strips		181.00	kg/s									
VI.1.1	Bentonite water stops 3/4" x 1" x 5 meters		1.00	lot/s									
VI.1.2	Miscellaneous		1.00	lot/s									
VI.2	Secondary Waterproofing: Integral Waterproofing Liquid		76.22	cu.m./s									
VI.2.1	Admixture			lot/s									
VI.2.2	Miscellaneous		1.00	lot/s									
VI.3	Sealing of Leaks, Cracks, Cold-Joints and Holes incl. Pipe Penetrations & Corners		1.00	lot/s									
VI.3.1	Surface Preparation - Surface grinding, routing out of cracks, joints for repair, pressure wash		341.25	sq.m./s									
VI.3.2	Leak-plug, Rapid-setting Mortar for Plugging Leaks on Concrete		1.00	lot/s									
VI.3.3	Rubberized Polymer Sealant for Pipe Penetrations & Embedded Steel Ladder		15.00	tube/s									
VI.3.4	Miscellaneous		1.00	lot/s									
VI.4	Primary Waterproofing: Crystalline Capillary Waterproofer		682.50	sq.m./s									
VI.4.1	Application of Crystalline Waterproofer (2 layers/coats) - Application of crystalline waterproofing and mortar to watertight the cracks and joints		1.00	lot/s									
VI.4.2	Miscellaneous		1.00	lot/s									
VII.	PLUMBING WORKS												
VII.1	Waterline Pipings, Fittings & Accessories (for water transfer flow)		1.00	lot/s									
VII.1.1	PVC Pipe 4"Ø S 1000			length/s									
VII.1.2	PVC Elbow 4" x 90 deg.			pc/s									
VII.1.3	PVC Clean Out 4" Ø			pc/s									
VII.1.4	PVC Solvent			liter/s									
VII.2	Waterline Pipings, Fittings & Accessories (for water distribution)		1.00	lot/s									
VII.2.1	Fiberglass Pressure Tank 80 gal/s/tons			pc/s									
VII.2.2	Centrifugal's Pump 2hp			set/s									
VII.2.3	PPR Pipe 1 1/4"Ø			length/s									
VII.2.4	PPR Elbow 1 1/4"Ø plain			pc/s									
VII.2.5	PPR Union Coupling 1 1/4"Ø			pc/s									
VII.2.6	PPR Tee 1 1/4"Ø			pc/s									
VII.2.7	Gate Valve Solid Brass 1 1/4"Ø			pc/s									

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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DETAILED BILL OF QUANTITIES

Project Name/Description:
 Project Location:
 Duration:

CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR
DEVMH Compound, Bood, Ubay, Bohol
 Calendar Days

Item No.	Description	%	Qty	Unit	Direct Unit Cost	Total Direct Cost	Mark-Up in Percent		Total Mark-up	VAT (TDC+TMU) 5.00%	Total Indirect Cost	Total Amount	Adjusted Unit Cost
							OCM	Profit					
VII.2.8	PPR Reducer 1 1/4" x 1"			pc/s									
VII.2.9	PPR Male Adaptor 1 1/4"Ø			pc/s									
VII.2.10	Foot Valve Solid Brass 1 1/4"Ø			pc/s									
VII.2.11	PPR Tee Threaded 1 1/4"Ø			pc/s									
VII.2.12	Bushing Reducer Stainless 1 1/4" x 1/4"			pc/s									
VII.2.13	Nipple Stainless 1/4"x2"			pc/s									
VII.2.14	PPR Elbow Threaded 1 1/4"Ø			pc/s									
VII.2.15	Pressure Gauge			pc/s									
VII.2.16	Pressure Switch			pc/s									
VII.2.17	PPR Pipe 1"Ø (5m per kg/s)			length/s									
VII.2.18	PPR Coupling 1"Ø			pc/s									
VII.2.19	PPR Elbow Plain 1"Ø			pc/s									
VII.2.20	PPR Female Adaptor 1"Ø			pc/s									
VII.2.21	Flair Valve Solid Brass 1"Ø			pc/s									
VII.2.22	Teflon Tape 1"			pc/s									
VII.2.23	PPR Tee Plain 1"Ø			pc/s									
VII.2.24	Stainless Water Tank 4cubic meter capacity			set/s									
VII.3	Waterline Pipings, Fittings & Accessories (for main pipe source to mother cistern tank connections)		1.00	lot/s									
VII.3.1	HDPE Pipe, PE100, DN63 2"Ø, SDR31PN20			meter/s									
VII.3.2	Miscellaneous			lot/s									
VII.3.3	P.E. Coupling 2"Ø			pc/s									
VII.3.4	P.E. Male Adaptor 2"Ø			pc/s									
VII.3.5	Water Meter 2"Ø			pc/s									
VII.3.6	Gate Valve Solid Brass 2"Ø			pc/s									
VII.3.7	Flair Valve 2"Ø			pc/s									
VII.3.8	P.E. Elbow 2"			pc/s									
VIII	ELECTRICAL WORKS												
VIII.1	Panel Boards		1.00	lot/s									
VIII.1.1	Cistern Tank Panel Board Fabricated and assembled in NEMA 1 in surface/wall mounted enclosure Gauge No. 16, powder-coated finish, wrinkled beige Complete with deadfront, ground bus & crimp type terminal lugs Main: MCCB rated at 80AT, 3P, 230V Branches: 2 - MCCB rated 20AT, 2P, 230V 4 - MCCB rated 30AT, 2P, 230V		1.00	set/s									
VIII.2	Circuit Breakers		1.00	lot/s									
VIII.2.1	MCCN rated at 80AT, 3P, 230V		1.00	set/s									
VIII.3	Roughing-ins		1.00	lot/s									
VIII.3.1	PVC 32 mm Ø			kg/s									
VIII.3.2	PVC 32 mm Ø, elbow 90 deg.			pc/s									
VIII.3.3	32 mm Ø, IMC with coupling			kg/s									
VIII.3.4	PVC Connector 1/2"Ø			pc/s									
VIII.3.5	PVC Pipe 1/2"Ø orange for electrical			pc/s									
VIII.3.6	Electrical Tape			pc/s									
VIII.3.7	Utility Box			pc/s									
VIII.3.8	Junction Box			boxes									
VIII.4	Wires and Cables		1.00	lot/s									

Printed Name and Signature of Proprietor/Manager/Authorized Representative



Republic of the Philippines
 Department of Health
 Central Visayas Center for Health Development
 DON EMILIO DEL VALLE MEMORIAL HOSPITAL
 PHILHEALTH ACCREDITED HEALTHCARE PROVIDER
 ISO 9001:2015 QMS CERTIFIED

DETAILED BILL OF QUANTITIES

Project Name/Description: **CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**
 Project Location: **DEVMH Compound, Bood, Ubay, Bohol**
 Duration: _____ Calendar Days

Item No.	Description	%	Qty	Unit	Direct Unit Cost	Total Direct Cost	Mark-Up in Percent		Total Mark-up	VAT (TDC+TMU) 5.00%	Total Indirect Cost	Total Amount	Adjusted Unit Cost
							OCM	Profit					
VIII.4.1	THHN/THWN Wire 2.0 sq.mm. str.			meter/s									
VIII.4.2	THHN/THWN Wire 3.5 sq.mm. str.			meter/s									
VIII.4.3	THHN/THWN Wire 5.5 sq.mm. str.			meter/s									
VIII.4.4	THHN/THWN Wire 8.0 sq.mm. str.			meter/s									
VIII.4.5	THHN/THWN Wire 14.0 sq.mm. str.			meter/s									
VIII.4.6	THHN/THWN Wire 22.0 sq.mm. str.			meter/s									
VIII.5	Wiring Devices		1.00	lot/s									
VIII.5.1	Switch 2 Gang Flush Type		1.00	pc/s									
VIII.5.2	Switch 3 Gang Flush Type		1.00	pc/s									
VIII.5.3	Weatherproof type Outlet Flush Type 2 gang		2.00	pc/s									
VIII.6	Lighting Fixtures		1.00	lot/s									
VIII.6.1	1x18W LED, Surfaced, Single Ended, Moisture and Dust-Proof type luminaire		5.00	pc/s									
VIII.6.2	Led Bulb 9watts		2.00	pc/s									
VIII.6.3	Plastic Socket		2.00	pc/s									
	TOTAL	100.00%											

Bid Amount in Figures: _____
 Bid Amount in Words: _____
 Name of the Construction Firm: _____
 Printed Name of the Proprietor/Authorized Representative: _____
 Signature of the Proprietor/Authorized Representative: _____
 Date: _____

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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 Department of Health
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DETAILED COST ESTIMATES

Project Title : CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR
 Project Location : DEVMH Compound, Bood, Ubay, Bohol

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	MATERIALS		LABOR		TOOLS & EQUIPMENT		TOTAL UNIT COST	TOTAL AMOUNT
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT		
A.	GENERAL REQUIREMENTS										
A.1	Mobilization/Demobilization	1.00	lots								
A.2	Permits & Licenses										
	A.2.1 Structural Design Review Including Sign and Sealed of Structural Plans by Structural Engin	1.00	lots								
	A.2.2 Electrical Review, Analysis, Computations including sign & sealed of Electrical plans by PEI	1.00	lots								
A.3	Temporary Facilities										
	A.3.1 Temporary Office/bunkhouse	1.00	lots								
A.4	Health, Safety & Environment Control (Complete PPE, Safety Equipment & Devices & Safety Accessories and Signages)	1.00	lots								
A.5	As Built Plans (Hardcopy & Softcopy - Autocad file)	1.00	lots								
											Total - General Requirements
I	EARTHWORKS										P
I.1	Excavation	321.00	cu.m/s								
	Below Ground Cistern Tank	L	W	D	QTY	VOLUME					
I.2	Backfilling including Compaction	120.00	cu.m/s								
	Total Volume Excavated Below Ground Cistern Tank	L	W	D	QTY	VOLUME					
											EARTHWORKS Total
II	STRUCTURAL CONCRETE (Incl. forms & scaffoldings)										P
II.1	Monolithic Reinf. Concrete, Cistern Tank Slab and Chamber Walls, 4000 psi	76.22	cu.m/s								
	II.1.1 Portland Cement		bag/s								
	II.1.2 Fine Aggregates		cu.m/s								
	II.1.3 Coarse Aggregates		cu.m/s								
	II.1.4 Deformed Bar, 12mmØ, Grade 40		kg/s								
	II.1.5 Deformed Bar, 16mmØ, Grade 40		kg/s								
	II.1.6 G.I. Tie Wire, #10		kg/s								
	CONCRETE	L	W	DIH	QTY	VOLUME	AREA	LM	AREA 2		
	Below Ground Cistern Tank										
	Perimeter Walls										
	Perimeter & Chamber Walls										
	Slab-on-Grade										
	Suspended Slab/Top Slab										
II.2	Formworks & Scaffoldings	236.63	cu.m/s								
	II.2.1 Concrete formworks and form accessories, braces, scaffoldings, shoring, hoist, etc.	L	W	DIH	QTY	Area					
	Perimeter Walls										
	Chamber Walls										
	Suspended Slab/Top Slab										
											STRUCTURAL CONCRETE (Incl. forms & scaffoldings) Total
III	STEEL WORKS										P
III.1	Steel columns, Steel roofing beams & rafters, and Steel enclosure	1.00	lot/s								
	III.1.1 G.I. Pipe 3"Ø Sched. 40		length/s								
	III.1.2 G.I. Pipe 2"Ø Sched. 40		length/s								
	III.1.3 Steel Hating 4.5mm Gauge		sheet/s								
	III.1.4 Angle Bar 1 1/2"x1 1/2"x1/4"		length/s								

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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DETAILED COST ESTIMATES

Project Title : CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR
 Project Location : DEVMH Compound, Boad, Ubay, Bohol

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	MATERIALS		LABOR		TOOLS & EQUIPMENT		TOTAL UNIT COST	TOTAL AMOUNT
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT		
III.1.5	Angle Bar 1 1/2"x1 1/2"x3/16"		length/s								
III.1.6	Coe. Purlins 2"x2"x1.0mm thick		length/s								
III.2	Manhole Cover and Stainless Steel Ladder	1.00	lots								
III.2.1	Angle Bar 1 1/2"x1 1/2"x1/4"		length/s								
III.2.2	Stainless Steel Plate 3mm thick		sheet/s								
III.2.3	Expansion Bolt 12mm x 2"		pcs								
III.2.4	10mmØ Stainless Round Bar (for Manhole Cover Handle), 6 meters kg/s		length/s								
III.2.5	20mmØ Stainless Round Bar (for Ladder), 6 meters kg/s		length/s								
III.3	Miscellaneous	1.00	lots								
III.3.1	Welding Rod no.12		kg/s								
III.3.2	Epoxy Primer gray		gal/s								
III.3.3	Other miscellaneous		lots								
STEEL WORKS										Total	P
IV	ROOFING										
IV.1	Roofing	191.00	Lm.²/s								
IV.1.1	Pre-Painted Longspan Rib-type G.I. Roof, 0.80mm thk x 1.10m		Lm.²/s								
IV.1.2	Touch-Up Paint		gal/s								
IV.1.3	Telescrew For Steel # 2 1/2		pcs								
IV.1.4	Roof Silicon Sealant		tube/s								
ROOFING										Total	P
V	FINISHES										
V.1	Painting Works (Steel Enclosure)	1.00	lots								
V.1.1	Epoxy Primer		gal/s								
V.1.2	Epoxy Enamel (Shades of Gray)		gal/s								
V.1.3	Paint Thinner		gal/s								
V.1.4	Paint Brush 2"		pcs								
V.1.5	Baby Roller		pcs								
V.1.6	Paint Tray		pcs								
V.2	Below Ground Cistern Tank Lining	66.00	sq. m/s								
V.2.1	Food grade/safe Epoxy Tank Lining, 2 coats		gal/s								
FINISHES										Total	P
VI	THERMAL AND MOISTURE PROTECTION										
VI.1	Installation of Swellable Waterstop Strips	181.00	kg/s								
VI.1.1	Bentonite water stops 3/4" x 1" x 5 meters	1.00	lots								
VI.1.2	Miscellaneous	1.00	lots								
VI.2	Secondary Waterproofing: Integral Waterproofing Liquid Admixture	76.22	cu. m/s								
VI.2.1	Integral Waterproofing Liquid Admixture	1.00	lots								
VI.2.2	Miscellaneous	1.00	lots								
VI.3	Sealing of Leaks, Cracks, Cold-Joints and Holes incl. Pipe Penetrations & Corners	1.00	lots								
VI.3.1	Surface Preparation - Surface grinding, routing out of cracks, joints for repair, pressure wash	341.25	sq. m/s								
VI.3.2	Leak-plug, Rapid-setting Mortar for Plugging Leaks on Concrete	1.00	lots								
VI.3.3	Rubberized Polymer Sealant for Pipe Penetrations & Embedded Steel Ladder	15.00	tube/s								
VI.3.4	Miscellaneous	1.00	lots								
VI.4	Primary Waterproofing: Crystalline Capillary Waterproof	682.50	sq. m/s								
VI.4.1	Application of Crystalline Waterproof (2 layers/coats) - Application of crystalline waterproofing and mortar to watertight the cracks and joints	1.00	lots								
VI.4.2	Miscellaneous	1.00	lots								

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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DETAILED COST ESTIMATES

Project Title : CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR
 Project Location : DEVMH Compound, Boad, Ubay, Bohol

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	MATERIALS		LABOR		TOOLS & EQUIPMENT		TOTAL UNIT COST	TOTAL AMOUNT	
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT			
THERMAL AND MOISTURE PROTECTION												
										Total	P	
VII.	PLUMBING WORKS											
VII.1	Waterline Piping, Fittings & Accessories (for water transfer flow)	1.00	lot/s									
	VII.1.1 PVC Pipe 4"Ø S 1000		length/s									
	VII.1.2 PVC Elbow 4" x 90 deg.		pc/s									
	VII.1.3 PVC Clean Out 4"Ø		pc/s									
	VII.1.4 PVC Solvent		liter/s									
VII.2	Waterline Piping, Fittings & Accessories (for water distribution)	1.00	lot/s									
	VII.2.1 Fiberglass Pressure Tank 80 gallons		pc/s									
	VII.2.2 Centrifugal Pump 2hp		pc/s									
	VII.2.3 PPR Pipe 1 1/4"Ø		length/s									
	VII.2.4 PPR Elbow 1 1/4"Ø plain		pc/s									
	VII.2.5 PPR Union Coupling 1 1/4"Ø		pc/s									
	VII.2.6 PPR Tee 1 1/4"Ø		pc/s									
	VII.2.7 Gate Valve Solid Brass 1 1/4"Ø		pc/s									
	VII.2.8 PPR Reducer 1 1/4" x 1"		pc/s									
	VII.2.9 PPR Male Adaptor 1 1/4"Ø		pc/s									
	VII.2.10 Foot Valve Solid Brass 1 1/4"Ø		pc/s									
	VII.2.11 PPR Tee Threaded 1 1/4"Ø		pc/s									
	VII.2.12 Bushing Reducer Stainless 1 1/4" x 1/4"		pc/s									
	VII.2.13 Nipple Stainless 1/4"x2"		pc/s									
	VII.2.14 PPR Elbow Threaded 1 1/4"Ø		pc/s									
	VII.2.15 Pressure Gauge		pc/s									
	VII.2.16 Pressure Switch		pc/s									
	VII.2.17 PPR Pipe 1"Ø (5m per kg/s)		length/s									
	VII.2.18 PPR Coupling 1"Ø		pc/s									
	VII.2.19 PPR Elbow Plain 1"Ø		pc/s									
	VII.2.20 PPR Female Adaptor 1"Ø		pc/s									
	VII.2.21 Float Valve Solid Brass 1"Ø		pc/s									
	VII.2.22 Teflon Tape 1"		pc/s									
	VII.2.23 PPR Tee Plain 1"Ø		pc/s									
	VII.2.24 Stainless Water Tank 4cubic meter capacity		set/s									
VII.3	Waterline Piping, Fittings & Accessories (for main pipe source to mother cistern tank connections)	1.00	lot/s									
	VII.3.1 HDPE Pipe PE100, DN150, SDR31, SDR35, SDR41		meter/s									
	VII.3.2 Miscellaneous		lot/s									
	VII.3.3 P.E. Coupling 2"Ø		pc/s									
	VII.3.4 P.E. Male Adaptor 2"Ø		pc/s									
	VII.3.5 Water Meter 2"Ø		pc/s									
	VII.3.6 Gate Valve Solid Brass 2"Ø		pc/s									
	VII.3.7 Float Valve 2"Ø		pc/s									
	VII.3.8 P.E. Elbow 2"		pc/s									
										PLUMBING WORKS	Total	P
VIII.	ELECTRICAL WORKS											
VIII.1	Panel Boards	1.00	lot/s									
	VIII.1.1 Cistern Tank Panel Board Fabricated and assembled in NEMA 1 in surface/wall mounted enclosure Gauge No. 16, powder-coated finish, wrinkled beige Complete with deadfront, ground bus & crimp type terminal lugs Main: MCCB rated at 80AT, 3P, 230V Branches: 2 - MCCB rated 20AT, 2P, 230V 4 - MCCB rated 30AT, 2P, 230V	1.00	set/s									
VIII.2	Circuit Breakers	1.00	lot/s									



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DETAILED COST ESTIMATES

Project Title : CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR
 Project Location : DEVMH Compound, Bood, Ubay, Bohol

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	MATERIALS		LABOR		TOOLS & EQUIPMENT		TOTAL UNIT COST	TOTAL AMOUNT
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT		
VIII.2.1	MCCN rated at 80AAT, 3P, 230V	1.00	set/s								
VIII.3	Roughing-in	1.00	lot/s								
VIII.3.1	PVC 32 mm Ø		kg/s								
VIII.3.2	PVC 32 mm Ø, elbow 90 deg.		pc/s								
VIII.3.3	32 mm Ø, IMC with coupling		kg/s								
VIII.3.4	PVC Connector 1/2"Ø		pc/s								
VIII.3.5	PVC Pipe 1/2"Ø orange for electrical		pc/s								
VIII.3.6	Electrical Tape		pc/s								
VIII.3.7	Utility Box		pc/s								
VIII.3.8	Junction Box		box/es								
VIII.4	Wires and Cables	1.00	lot/s								
VIII.4.1	THHN/THWN Wire 2.0 sq.mm. str.		meter/s								
VIII.4.2	THHN/THWN Wire 3.5 sq.mm. str.		meter/s								
VIII.4.3	THHN/THWN Wire 5.5 sq.mm. str.		meter/s								
VIII.4.4	THHN/THWN Wire 8.0 sq.mm. str.		meter/s								
VIII.4.5	THHN/THWN Wire 14.0 sq.mm. str.		meter/s								
VIII.4.6	THHN/THWN Wire 22.0 sq.mm. str.		meter/s								
VIII.5	Wiring Devices	1.00	lot/s								
VIII.5.1	Switch 2 Gang Flush Type	1.00	pc/s								
VIII.5.2	Switch 3 Gang Flush Type	1.00	pc/s								
VIII.5.3	Weatherproof type Outlet Flush Type 2 gang	2.00	pc/s								
VIII.6	Lighting Fixtures	1.00	lot/s								
VIII.6.1	1x16W LED, Surfaced, Single Ended, Moisture and Dust-Proof type luminaire	5.00	pc/s								
VIII.6.2	LED Bulb Swatts	2.00	pc/s								
VIII.6.3	Plastic Socket	2.00	pc/s								
ELECTRICAL WORKS										Total	P
TOTAL DIRECT COST											P
INDIRECT COST (IC):											
OVERHEAD, CONTINGENCIES & MISCELLANEOUS (OCM) <input type="text"/>										OF TDC	P
CONTRACTOR'S PROFIT (CP) <input type="text"/>										OF TDC	P
VAT (VALUE ADDED TAX):											
TAXES 5.00%										OF TDC+OCM+CP	P
TOTAL INDIRECT COST:											P
TOTAL BID COST											P

Bid Amount in Words: _____
 Name of the Construction Firm: _____
 Printed Name of the Proprietor/Authorized Representative: _____
 Signature of the Proprietor/Authorized Representative: _____
 Date: _____



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**PROGRAM OF WORKS
 SUMMARY**

Project Name/Description: **CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**
 Project Location: **DEVMH Compound, Bood, Ubay, Bohol**
 Duration: (Cluster) _____ Calendar Days

Minimum Equipment/Utility Requirement	Number	Technical Personnel Required	Number
Tools		Engineer	
Measuring and Layout Tools		Foreman/Leadman	
Waterproofing Application and Miscellaneous Tools		Skilled Personnel	
Safety Equipments		Laborer/Helper	

ESTIMATED COST OF PROPOSED WORKS

Item No.	Description	%	Qty	Unit	Direct Unit Cost	Amount
A.	GENERAL REQUIREMENTS					
A.1	Mobilization/Demobilization		1.00	lot/s		
A.2	Permits & Licenses					
A.2.1	Structural Design Review Including Sign and Sealed of Structural Plans by Structural Engineer		1.00	lot/s		
A.2.2	Electrical Review, Analysis, Computations including sign & sealed of Electrical plans by PEE		1.00	lot/s		
A.3	Temporary Facilities					
A.3.1	Temporary Office/bunkhouse		1.00	lot/s		
A.4	Health, Safety & Environment Control (Complete PPE, Safety Equipment & Devices & Safety Accessories and Signages)		1.00	lot/s		
A.5	As Built Plans (Hardcopy & Softcopy - Autocad file)		1.00	lot/s		
I	EARTHWORKS					
I.1	Excavation		321.00	cu.m/s		
I.2	Backfilling Including Compaction		120.00	cu.m/s		
II.	STRUCTURAL CONCRETE (Incl. forms & scaffoldings)					
II.1	Monolithic Reinf. Concrete, Cistern Tank Slab and Chamber Walls, 4000 psi		76.22	cu.m/s		
II.1.1	Portland Cement			bag/s		
II.1.2	Fine Aggregates			cu.m/s		
II.1.3	Coarse Aggregates			cu.m/s		
II.1.4	Deformed Bar, 12mmØ, Grade 40			kg/s		
II.1.5	Deformed Bar, 16mmØ, Grade 40			kg/s		
II.1.6	G.I. Tie Wire, #16			kg/s		
II.2	Formworks & Scaffoldings		236.63	cu.m/s		
II.2.1	Concrete formworks and form accessories, braces, scaffoldings, shoring, hoist, etc.			sq.m/s		
III.	STEEL WORKS					
III.1	Steel columns, Steel roofing beams & rafters, and Steel enclosure		1.00	lot/s		
III.1.1	G.I. Pipe 3"Ø Sched. 40			length/s		
III.1.2	G.I. Pipe 2"Ø Sched. 40			length/s		
III.1.3	Steel Matting 4.5mm Gauge			sheet/s		
III.1.4	Angle Bar 1 1/2"x1 1/2"x1/4"			length/s		
III.1.5	Angle Bar 1 1/2"x1 1/2"x3/16"			length/s		
III.1.6	Cee Purlins 2"x3"x1.0mm thick			length/s		
III.2	Manhole Cover and Stainless Steel Ladder		1.00	lot/s		
III.2.1	Angle Bar 1 1/2"x1 1/2"x1/4"			length/s		
III.2.2	Stainless Steel Plate 3mm thick			sheet/s		
III.2.3	Expansion Bolt 12mm x 2"			pc/s		
III.2.4	10mmØ Stainless Round Bar (for Manhole Cover Handle), 6 meters kg/s			length/s		
III.2.5	20mmØ Stainless Round Bar (for Ladder), 6 meters kg/s			length/s		
III.3	Miscellaneous		1.00	lot/s		
III.3.1	Welding Rod no.12			kg/s		

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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**PROGRAM OF WORKS
 SUMMARY**

Project Name/Description:

**CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING
 PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**

Project Location:

DEVMH Compound, Bood, Ubay, Bohol

Duration: (Cluster)

___ Calendar Days

Minimum Equipment/Utility Requirement	Number	Technical Personnel Required	Number			
Tools Measuring and Layout Tools Waterproofing Application and Miscellaneous Tools Safety Equipments		Engineer Foreman/Leadman Skilled Personnel Laborer/Helper				
ESTIMATED COST OF PROPOSED WORKS						
Item No.	Description	%	Qty	Unit	Direct Unit Cost	Amount
III.3.2	Epoxy Primer gray			gal/s		
III.3.3	Other miscellaneous			lot/s		
IV.	ROOFING					
IV.1	Roofing		191.00	l.m./s		
IV.1.1	Pre-Painted Longspan Rib-type G.I. Roof, 0.60mm thk x 1.10m			l.m./s		
IV.1.2	Touch-Up Paint			gal/s.		
IV.1.3	Tekscrew For Steel # 2 1/2			pc/s		
IV.1.4	Roof Silicon Sealant			tube/s		
V.	FINISHES					
V.1	Painting Works (Steel Enclosure)		1.00	lot/s		
V.1.1	Epoxy Primer			gal/s		
V.1.2	Epoxy Enamel (Shades of Gray)			gal/s		
V.1.3	Paint Thinner			gal/s		
V.1.4	Paint Brush 2"			pc/s		
V.1.5	Baby Roller			pc/s		
V.1.6	Paint Tray			pc/s		
V.2	Below Ground Cistern Tank Lining		66.00	sq.m./s		
V.2.1	Food grade/safe Epoxy Tank Lining, 2 coats			gal/s/s		
VI.	THERMAL AND MOISTURE PROTECTION					
VI.1	Installation of Swellable Waterstop Strips		181.00	kg/s		
VI.1.1	Bentonite water stops 3/4" x 1" x 5 meters		1.00	lot/s		
VI.1.2	Miscellaneous		1.00	lot/s		
VI.2	Secondary Waterproofing: Integral Waterproofing Liquid Admixture		76.22	cu.m./s		
VI.2.1	Integral Waterproofing Liquid Admixture		1.00	lot/s		
VI.2.2	Miscellaneous		1.00	lot/s		
VI.3	Sealing of Leaks, Cracks, Cold-Joints and Holes incl. Pipe Penetrations & Corners		1.00	lot/s		
VI.3.1	Surface Preparation - Surface grinding, routing out of cracks, joints for repair, pressure wash		341.25	sq.m./s		
VI.3.2	Leak-plug, Rapid-setting Mortar for Plugging Leaks on Concrete		1.00	lot/s		
VI.3.3	Rubberized Polymer Sealant for Pipe Penetrations & Embedded Steel Ladder		15.00	tube/s		
VI.3.4	Miscellaneous		1.00	lot/s		
VI.4	Primary Waterproofing: Crystalline Capillary Waterproofoer		682.50	sq.m./s		
VI.4.1	Application of Crystalline Waterproofoer (2 layers/coats) - Application of crystalline waterproofing and mortar to watertight the cracks and joints		1.00	lot/s		
VI.4.2	Miscellaneous		1.00	lot/s		
VII.	PLUMBING WORKS					
VII.1	Waterline Pipings, Fittings ^ Accessories (for water transfer flow)		1.00	lot/s		
VII.1.1	PVC Pipe 4"Ø S 1000			length/s		

Printed Name and Signature of Proprietor/Manager/Authorized Representative



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**PROGRAM OF WORKS
 SUMMARY**

Project Name/Description:

**CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING
 PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**

Project Location:

DEVMH Compound, Bood, Ubay, Bohol

Duration: (Cluster)

___ Calendar Days

Minimum Equipment/Utility Requirement	Number	Technical Personnel Required	Number			
Tools Measuring and Layout Tools Waterproofing Application and Miscellaneous Tools Safety Equipments		Engineer Foreman/Leadman Skilled Personnel Laborer/Helper				
ESTIMATED COST OF PROPOSED WORKS						
Item No.	Description	%	Qty	Unit	Direct Unit Cost	Amount
VII.1.2	PVC Elbow 4" x 90 deg.			pc/s		
VII.1.3	PVC Clean Out 4" Ø			pc/s		
VII.1.4	PVC Solvent			liter/s		
VII.2	Waterline Pipings, Fittings ^ Accessories (for water distribution)		1.00	lot/s		
VII.2.1	Fiberglass Pressure Tank 80 gal/slons			pc/s		
VII.2.2	Centrifugal/s Pump 2hp			set/s		
VII.2.3	PPR Pipe 1 1/4"Ø			length/s		
VII.2.4	PPR Elbow 1 1/4"Ø plain			pc/s		
VII.2.5	PPR Union Coupling 1 1/4"Ø			pc/s		
VII.2.6	PPR Tee 1 1/4"Ø			pc/s		
VII.2.7	Gate Valve Solid Brass 1 1/4"Ø			pc/s		
VII.2.8	PPR Reducer 1 1/4" x 1"			pc/s		
VII.2.9	PPR Male Adaptor 1 1/4"Ø			pc/s		
VII.2.10	Foot Valve Solid Brass 1 1/4"Ø			pc/s		
VII.2.11	PPR Tee Threaded 1 1/4"Ø			pc/s		
VII.2.12	Bushing Reducer Stainless 1 1/4" x 1/4"			pc/s		
VII.2.13	Nipple Stainless 1/4"x2"			pc/s		
VII.2.14	PPR Elbow Threaded 1 1/4"Ø			pc/s		
VII.2.15	Pressure Gauge			pc/s		
VII.2.16	Pressure Switch			pc/s		
VII.2.17	PPR Pipe 1"Ø (5m per kg/s)			length/s		
VII.2.18	PPR Coupling 1"Ø			pc/s		
VII.2.19	PPR Elbow Plain 1"Ø			pc/s		
VII.2.20	PPR Female Adaptor 1"Ø			pc/s		
VII.2.21	Float Valve Solid Brass 1"Ø			pc/s		
VII.2.22	Teflon Tape 1"			pc/s		
VII.2.23	PPR Tee Plain 1"Ø			pc/s		
VII.2.24	Stainless Water Tank 4cubic meter capacity			set/s		
VII.3	Waterline Pipings, Fittings ^ Accessories (for main pipe source to mother cistern tank connections)		1.00	lot/s		
VII.3.1	HDPE Pipe, PE100, DN63 2"Ø, SDR9/PN20			meter/s		
VII.3.2	Miscellaneous			lot/s		
VII.3.3	P.E. Coupling 2"Ø			pc/s		
VII.3.4	P.E. Male Adaptor 2"Ø			pc/s		
VII.3.5	Water Meter 2"Ø			pc/s		
VII.3.6	Gate Valve Solid Brass 2"Ø			pc/s		
VII.3.7	Float Valve 2"Ø			pc/s		
VII.3.8	P.E. Elbow 2"			pc/s		
VIII.	ELECTRICAL WORKS					
VIII.1	Panel Boards		1.00	lot/s		

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**PROGRAM OF WORKS
SUMMARY**

Project Name/Description:

**CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING
PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**

Project Location:

DEVMH Compound, Bood, Ubay, Bohol

Duration: (Cluster)

___ Calendar Days

Minimum Equipment/Utility Requirement		Number	Technical Personnel Required		Number	
Tools			Engineer			
Measuring and Layout Tools			Foreman/Leadman			
Waterproofing Application and Miscellaneous Tools			Skilled Personnel			
Safety Equipments			Laborer/Helper			
ESTIMATED COST OF PROPOSED WORKS						
Item No.	Description	%	Qty	Unit	Direct Unit Cost	Amount
VIII.1.1	Cistern Tank Panel Board Fabricated and assembled in NEMA 1 in surface/wall mounted enclosure Gauge No. 16, powder-coated finish, wrinkled beige Complete with deadfront, ground bus & crimp type terminal lugs Main: MCCB rated at 80AT, 3P, 230V Branches: 2 - MCCB rated 20AT, 2P, 230V 4 - MCCB rated 30AT, 2P, 230V		1.00	set/s		
VIII.2	Circuit Breakers		1.00	lot/s		
VIII.2.1	MCCN rated at 80AT, 3P, 230V		1.00	set/s		
VIII.3	Roughing-ins		1.00	lot/s		
VIII.3.1	PVC 32 mm Ø			kg/s		
VIII.3.2	PVC 32 mm Ø, elbow 90 deg.			pc/s		
VIII.3.3	32 mm Ø, IMC with coupling			kg/s		
VIII.3.4	PVC Connector 1/2"Ø			pc/s		
VIII.3.5	PVC Pipe 1/2"Ø orange for electrical			pc/s		
VIII.3.6	Electrical Tape			pc/s		
VIII.3.7	Utility Box			pc/s		
VIII.3.8	Junction Box			box/es		
VIII.4	Wires and Cables		1.00	lot/s		
VIII.4.1	THHN/THWN Wire 2.0 sq.mm. str.			meter/s		
VIII.4.2	THHN/THWN Wire 3.5 sq.mm. str.			meter/s		
VIII.4.3	THHN/THWN Wire 5.5 sq.mm. str.			meter/s		
VIII.4.4	THHN/THWN Wire 8.0 sq.mm. str.			meter/s		
VIII.4.5	THHN/THWN Wire 14.0 sq.mm. str.			meter/s		
VIII.4.6	THHN/THWN Wire 22.0 sq.mm. str.			meter/s		
VIII.5	Wiring Devices		1.00	lot/s		
VIII.5.1	Switch 2 Gang Flush Type		1.00	pc/s		
VIII.5.2	Switch 3 Gang Flush Type		1.00	pc/s		
VIII.5.3	Weatherproof type Outlet Flush Type 2 gang		2.00	pc/s		
VIII.6	Lighting Fixtures		1.00	lot/s		
VIII.6.1	1x16W LED,Surfaced, Single Ended, Moisture and Dust-Proof type luminaire		5.00	pc/s		
VIII.6.2	Led Bulb 9watts		2.00	pc/s		
VIII.6.3	Plastic Socket		2.00	pc/s		
TOTAL		100.00%				
BREAKDOWN OF ESTIMATED EXPENDITURES					TOTAL DIRECT COST	AMOUNT
A. DIRECT COST						
1. General Requirements						
2. Materials, Labor and Equipment						
3. Hauling Cost						

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SUMMARY**

Project Name/Description: **CONSTRUCTION OF MOTHER CISTERN TANK INCLUDING PIPELINES LAYING, & RAIN-WATER TANK COLLECTOR**
 Project Location: **DEVMH Compound, Bood, Ubay, Bohol**
 Duration: (Cluster) _____ Calendar Days

Minimum Equipment/Utility Requirement	Number	Technical Personnel Required	Number			
Tools Measuring and Layout Tools Waterproofing Application and Miscellaneous Tools Safety Equipments		Engineer Foreman/Leadman Skilled Personnel Laborer/Helper				
ESTIMATED COST OF PROPOSED WORKS						
Item No.	Description	%	Qty	Unit	Direct Unit Cost	Amount
B. INDIRECT COST						
	1. Overhead, Contingency, Miscellaneous	<input type="text"/>				<input type="text"/>
	2. Contractor's Profit	<input type="text"/>				<input type="text"/>
TOTAL INDIRECT COST						
C. VALUE ADDED TAX						
	1. VAT	5%				<input type="text"/>
TOTAL BID COST						

Bid Amount in Figures: _____
 Bid Amount in Words: _____
 Name of the Construction Firm: _____
 Printed Name of the Proprietor/Authorized Representative: _____
 Signature of the Proprietor/Authorized Representative: _____
 Date: _____

Printed Name and Signature of Proprietor/Manager/Authorized Representative