

DEPARTMENT OF SCIENCE AND TECHNOLOGY - MIMAROPA Region  
4th Fl. DOST-PTRI Bldg., Gen. Santos Ave., Bicutan, Taguig City

**REQUEST FOR QUOTATION**

RFQ No.:	SUPPLIER DETAILS (please fill out)					
Date of Request:	Business Name:					
January 13, 2023	SIM CONSTRUCTION, TRADING & SERVICES					
Deadline for submission	PhilGEPS Registration Number:					
January 16, 2023	2016 - 108622					
Area of Delivery:	Address:					
Brgy. Pinamihagan, San Jose, Romblon	TULAY, ODIONGAN, ROMBLON					
Please quote your best price for the item/items enumerated below and send to the address above or thru tel/fax: (042) 567-5218 e-mail: psthc.romblon@mimaropa.dost.gov.ph						
Tel/Fax No. and e-Mail Add.:						
simconstruction16@yahoo.com						
Quoted By:						
 <b>JIMSON O. MARIN / PE</b> Print Name and Signature / Position						
Item No.	Description	Please indicate brand name (if applicable)	Quantity	Unit	Unit Price	Total Amount
	Supply, delivery, installation, and commissioning of Solar-energy powered Domestic Water Generating Facility with Distribution System at IP community Brgy. Pinamihagan, San Jose, Romblon inclusions:		1	LOT	2,050,000.00	2,050,000.00
	- 2 units PVC Water Tank, 4 cubic meter capacity per tank with 1 unit water 2Hp water pump					
	- 1 unit Pump House, concrete, for the water pumps, and the solar-energy system's controllers, inverters, batteries, and accessories					
	- 1 unit PVC Water Tank, 4 cu.m. capacity, horizontal, complete with 2-5 meters high steel tank tower and tank holder, with 1 unit Float Switch and complete accessories, and with 1 unit 1.5Hp Water Pump					
	- at least 1000 meters long water lines/pipes, 50mm diameter, uPVC class 100, 100PSI					
	- at least 100 feet long water lines/pipes, 1 inch diameter, PVC					
	- 15 pcs. Water meter and Brass type faucets installed with complete accessories (20mm diam. Gate valve, 20mm female adapters, 20mm elbows)					

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Please quote your best price for the item/items enumerated below and send to the address above or thru tel/fax: (042) 567-5218 e-mail: pstc.romblon@mimaropa.dost.gov.ph			Tel/Fax No. and e-Mail Add.:			
			Quoted By:			
			Print Name and Signature / Position			
Item No.	Description	Please indicate brand name (if applicable)	Quantity	Unit	Unit Price	Total Amount
	- PV Solar System AC application power generation Inclusions: > 4 pcs. Solar Panel 250Wp or 2 pcs Solar Panel 500Wp, Monocrystalline High-Efficiency; > 1 pc. SRNE 60A, 150V MPPT controller; > 1 pc. 2400W, 48VDC-220VAC, 60Hz Pure Sine Wave Toroidal Inverter Charger (Transformer type); > 4 pcs. RA12-200D, 12VDC, 200Ah Deep cycle AGM Lithium Ion Battery; > at least 40 meters 6.0 mm <sup>2</sup> x 2 PV cable (panel to controller); > at least 8 meters 6.0 mm <sup>2</sup> x 2 UV Cable (panel to controller)					
	- Electro-Mechanical System with DC Breakers Inclusions: > 1 pc. 1-2P 550V 63A DC Breaker (panel to controller); > 1 pc. 1-2P 550V 125A DC Breaker (controller to battery); > 1 pc. 1-2P 550V 125A DC Breaker (battery to inverter); > 1 pc. DC Breaker (in-line breaker); > 1 pc. 200A Bus bar (battery connection); > 1 pc. 12 Way distribution box; > 1 pc. DC surge protection device (SPD); > 1 pc. 20A AC Breaker					
	- Other Hardwares & Electrical Materials Inclusions: > 3 pcs. 50x50mm cable tray/duct; > 1 pc. Heavy duty male plug; > 2 pcs. 2-Gang outlet; > 5 pcs. Amco Box; > 40 pcs. Concrete staple; > 2 boxes #12 PDX wire; > 30 pcs. 1" tox & 1/4" screw; > 5 pcs. 1/2" PVC pipe; > 20 pcs. 1/2" C-Clamp; > 5 pcs. 3/4" plastic flat moulding; > 40 pcs. 1/4" x 1" bolt & nut with washer; > at least 20 meters 8mm battery cable (battery to inverter, Controller to battery & battery connector); > 8 pcs. Battery eye terminal					

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Date of Request:	Business Name:
Deadline for submission	PhilGEPS Registration Number:
Area of Delivery: Brgy. Pinamihagan, San Jose, Romblon	Address:
Please quote your best price for the item/items enumerated below and send to the address above or thru tel/fax: (042) 567-5218 e-mail: pstc.romblon@mimaropa.dost.gov.ph	
Tel/Fax No. and e-Mail Add.:	
Quoted By:	
Print Name and Signature / Position	

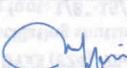
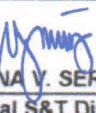
Item No.	Description	Please Indicate	Quantity	Unit	Unit Price	Total Amount
	- Aluminum PV module for platform structure Inclusions: > 2 pcs. 2.1m Aluminum Rail (for solar panels); > 8 pcs. L foot rubber (for solar panels); > 4 pcs. Middle clamp (for solar panel); > 4 pcs. End clamp (for solar panels); > 2 pcs. PV Rail slicer (for solar panels); > 1 lot System Board & Battery Box (3 x 200Ah battery capacity)					
	- with 5 years warranty for all parts and materials and 1 year free after-sales service provision					

page 3 of 3

Total

**Terms and Conditions:**

1. As a government agency, DOST-MIMAROPA shall deal only with PhilGEPS registered suppliers/contractors;
2. Quoted prices must be inclusive of 12% VAT (if VAT-registered) and other duties due;
3. DOST-MIMAROPA shall withheld 5% withholding tax for VAT-registered while 3% for non-VAT suppliers for goods and services. We will also withheld 2% for services and 1% for goods as expanded withholding tax;
4. All quotations shall be firm and valid for a period of at least thirty (30) days from the date of receipt of quotation and shall be binding upon the supplier within the period;
5. Only bids submitted on or before the time and date specified with prices therein quoted will be considered. DOST-MIMAROPA reserves the right to post-qualify any supplier and/or reject submitted quotations.
6. Purchase Order/Contract shall be awarded to the lowest evaluated responsive bid; delivered items are subject to inspection, with payment processing to commence only after acceptance by the supply/property custodian; and,
7. Terms of payment within 15-30 calendar days from date of acceptance.
8. Award of PO/contract: \_\_\_\_\_ per line item; \_\_\_\_\_ per total ABC;

REQUESTED BY:	NOTED BY:
 <b>MAE ANGELICA F. FAMINI</b>	 <b>MARCELINA V. SERVAÑEZ</b> Provincial S&T Director
Canvasser	

DEPARTMENT OF SCIENCE AND TECHNOLOGY - MIMAROPA Region  
4th Fl. DOST-PTRI Bldg., Gen. Santos Ave., Bicutan, Taguig City

REQUEST FOR QUOTATION

RFQ No.:				SUPPLIER DETAILS (please fill out)		
Date of Request:				Business Name:		
Deadline for submission				SIM CONSTRUCTION, TRADING & SERVICES		
				PhilGEPS Registration Number:		
				2016-168622		
Area of Delivery:				Address: TULAY, ODIONGAN ROMBLON		
				Tel/Fax No. and e-Mail Add.:		
				SIMCONSTRUCTION16@yahoo.com		
				Quoted By:		
Please quote your best price for the item/items enumerated below and send to the address above or thru tel/fax: (042) 567-5218 e-mail: psc.romblon@mimaropa.dost.gov.ph				 Print Name and Signature / Position JIMENO D. MARIN / PE		

Item No.	Description	Please indicate brand name (if applicable)	Quantity	Unit	Unit Price	Total Amount
1	Supply, delivery, installation, and commissioning of Solar-energy powered Domestic Water Generating Facility with Distribution System  Inclusions: 1 unit Ground Concrete Tank, 8 cubic meter capacity 1 unit Water Pump, 2Hp 1 unit Concrete Pump House for the water pump, and the solar-energy system's controllers, inverters, batteries, and accessories 1 unit PVC Water Tank, 2 cu.m. capacity, horizontal, complete with 2-5 meters high steel tank tower and tank holder 1000-1500 meters long water lines/pipes, 50mm diameter, uPVC class 100, 100PSI 100-200 feet long water lines/pipes, 1 inch diameter, PVC 15 pcs. Brass type faucet 15 pcs. Water meter with complete accessories 15 pcs. 20mm diam. Gate Valve 45 pcs. 20 mm Female adapter 8 pcs. Teflon Tape 30 pcs. 20mm Elbow PV Solar System AC application power generation [Inclusions: 2 pcs. Solar Panel 300Wp, Monocrystalline High-Efficiency; 1 pc. SRNE 60A, 150V MPPT controller; 1 pc. 2400W, 48VDC-220VAC, 60Hz Pure Sine Wave Toroidal Inverter Charger (Transformer type); 3 pcs. RA12-200D, 12VDC, 200Ah Deep cycle AGM Battery; 40 meters 6.0 mm <sup>2</sup> x 2 PV cable (panel to controller); 8 meters 6.0 mm <sup>2</sup> x 2 UV Cable (panel to controller)]		1	lot	1,750,000.00	1,750,000.00

<p>Electro-Mechanical System with DC Breakers [Inclusions: 1 pc. 1-2P 550V 63A DC Breaker (panel to controller); 1 pc. 1-2P 550V 125A DC Breaker (controller to battery); 1 pc. 1-2P 550V 125A DC Breaker (battery to inverter); 1 pc. DC Breaker (in-line breaker); 1 pc. 200A Bus bar (battery connection); 1 pc. 12 Way distribution box; 1 pc. DC surge protection device (SPD); 1 pc. 20A AC Breaker]</p> <p>Other Hardwares &amp; Electrical Materials [Inclusions: 3 pcs. 50x50mm cable tray/duct; 1 pc. Heavy duty male plug; 2 pcs. 2-Gang outlet; 5 pcs. Amco Box; 40 pcs. Concrete staple; 1 box #12 PDX wire; 30 pcs. 1" tox &amp; 1/4" screw; 5 pcs. 1/2" PVC pipe; 20 pcs. 1/2" C-Clamp; 5 pcs. 1/4" plastic flat moulding; 40 pcs. 1/4" x 1" bolt &amp; nut with washer; 20 meters 8mm battery cable (battery to inverter, Controller to battery &amp; battery connector); 8 pcs. Battery eye terminal]</p> <p>Aluminum PV module for platform structure [Inclusions: 2 pcs. 2.1m Aluminum Rail (for solar panels); 8 pcs. L foot rubber (for solar panels); 4 pcs. Middle clamp (for solar panel); 4 pcs. End clamp (for solar panels); 2 pcs. PV Rail slicer (for solar panels); 1 lot System Board &amp; Battery Box (3 x 200Ah battery capacity)]</p> <p>with 5 years warranty for all parts and materials and 1 year free after-sales service provision</p>				
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Total 1,750,000.00

**Terms and Conditions:**

- As a government agency, DOST-MIMAROPA shall deal only with PhilGEPS registered suppliers/contractors;
- Quoted prices must be inclusive of 12% VAT (if VAT-registered) and other duties due;
- DOST-MIMAROPA shall withhold 5% withholding tax for VAT-registered while 3% for non-VAT suppliers for goods and services. We will also withheld 2% for services and 1% for goods as expanded withholding tax;
- All quotations shall be firm and valid for a period of at least thirty (30) days from the date of receipt of quotation and shall be binding upon the supplier within the period;
- Only bids submitted on or before the time and date specified with prices therein quoted will be considered. DOST-MIMAROPA reserves the right to post-qualify any supplier and/or reject submitted quotations.
- Purchase Order/ Contract shall be awarded to the lowest evaluated responsive bid; delivered items are subject to inspection, with payment processing to commence only after acceptance by the supply/property custodian; and,
- Terms of payment within 15-30 calendar days from date of acceptance.
- Award of PO/contract: \_\_\_\_\_ per line item; \_\_\_\_\_ per total ABC;

REQUESTED BY:	NOTED BY:
 <b>JOSE ANDRAE FALOGME</b> Canvasser	<b>MARCELINA V. SERVAÑEZ</b> Provincial S&T Director



Republic of the Philippines  
Province of Romblon  
MUNICIPALITY OF SAN JOSE

OFFICE OF THE MUNICIPAL ENGINEER

November 08, 2022

DATE

**PROGRAM OF WORKS**

NAME OF PROJECT:	APPROPRIATION:	PROJECT DESCRIPTION		
<b>PROPOSED WATER GENERATION FACILITY WITH DISTRIBUTION SYSTEM PROJECT FOR THE PINAMIHAGAN IP COMMUNITY</b>	<b>Php 1,699,533.78</b> <b>SOURCE OF FUND:</b> DOST-MIMAROPA	SEE PLAN DETAILS		
LOCATION OF PROJECT:	AMOUNT PROGRAMMED:	<b>IMPLEMENTATION PROCEDURE:</b>		
BATACAN, PINAMIHAGAN, SAN JOSE, ROMBLON	Php 1,699,533.78	<b>BY BIDDING</b>		
<b>Equipment to be used</b>	<b>Needed Available</b>	<b>Number</b>	<b>No. of Calendar Days</b>	
minor tools	1	1	90 CD	
<b>Scope of Work Done</b>	<b>% of Total</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>AMOUNT</b>
SPL ITEM I EXCAVATION	3.68%	cu.m	9,301.03	49,900.00
SPL ITEM II CONCRETE WORKS	42.44%	cu.m	121,282.70	574,880.00
SPL ITEM III PIPES, FITTINGS & VALVES INSTALLATION (DL)	40.05%	l.m.	542.50	542,500.00
SPL ITEM IV SERVICE CONNECTIONS	13.82%	lot	187,200.00	187,200.00
<b>TOTAL DIRECT COST</b>	<b>100.00%</b>			<b>1,354,480.00</b>

**Breakdown of Estimated Expenditures**

ITEM	% OF TOTAL	AMOUNT
<b>1. Direct Cost:</b>		
a. Total Cost of Materials .....	50.25%	853,980.00
b. Total Cost of Labor .....	29.45%	500,500.00
c. Rental of Equipment .....	0.00%	0.00
d. Fuels, Oils, Etc. .....	0.00%	0.00
e. Hauling of Materials .....	0.00%	0.00
<b>Sub-total</b>	<b>79.70%</b>	<b>1,354,480.00</b>
<b>2. Indirect Cost</b>		
a. Overhead Expenses .....	6.38%	108358.40
b. Contingencies .....	0.80%	13544.80
c. Miscellaneous Expenses .....	0.40%	6772.40
d. Contractor's Profit .....	7.97%	135448.00
e. Valued Added Tax .....	4.76%	80,930.18
<b>Sub-total</b>	<b>20.30%</b>	<b>345,053.78</b>
<b>TOTAL ESTIMATED COST</b>	<b>100.00%</b>	<b>1,699,533.78</b>

PREPARED  
  
**JAYPEE C. CAWALING**  
Building Inspector

RECOMMENDING APPROVAL:

**MAE ANGELICA FAMINI**  
SRS II

**MARCELINA V. SERVANEZ**  
Provincial S&T Director



Republic of the Philippines  
Province of Romblon  
MUNICIPALITY OF SAN JOSE

**DETAILED ENGINEERING ESTIMATES FOR  
PROPOSED WATER GENERATION FACILITY WITH DISTRIBUTION SYSTEM PROJECT FOR THE  
PINAMIHAGAN IP COMMUNITY  
Batacan, Pinamihagan, San Jose, Romblon**

PRICE COMPONENT	Qty.	No. of Days	Rate/Day	AMOUNT	SUB-TOTAL	TOTAL
<b>SPL ITEM I- EXCAVATION (Ground Concrete Tank and Tank Holder) .....</b>						<b>49,900.00</b>
<b>A. LABOR .....</b>						<b>44,500.00</b>
Foreman 1 10 500.00 5,000.00						
Timekeeper 1 10 450.00 4,500.00						
Laborers 10 10 350.00 35,000.00						
<b>B. MATERIALS .....</b>						<b>5,400.00</b>
2"x3"x12' Coco Lumber 30 pcs 168.00 5,040.00						
Common Wire Nails 3 kgs 120.00 360.00						
<b>SPL ITEM II- CONCRETE WORKS(Ground Concrete Tank and tank Holder) .....</b>						<b>574,880.00</b>
<b>A. LABOR .....</b>						<b>160,500.00</b>
Foreman 1 30 500.00 15,000.00						
Timekeeper 1 30 450.00 13,500.00						
Masons/Carpenters 2 30 450.00 27,000.00						
Laborers 10 30 350.00 105,000.00						
<b>B. MATERIALS .....</b>						<b>414,380.00</b>
40 kg Portland Cement 147 bags 360.00 52,920.00						
River Sand 12 cu.m 2,860.00 34,320.00						
Washed Gravel 15 cu.m 2,860.00 42,900.00						
12mm Ø x 6m DSB 182 pcs 320.00 58,240.00						
10mm Ø x 6m DSB 191 pcs 400.00 76,400.00						
Ordinary Welding Rod 3 boxes 1,600.00 4,800.00						
#16 G.I. Wire 34 kgs 2,500.00 85,000.00						
Formworks:						
1/2" thk. Ord. Plywood 30 pcs 980.00 29,400.00						
2"x3"x10' Cocolumber 200 pcs 140.00 28,000.00						
Common Wire Nails (asstd) 20 kgs 120.00 2,400.00						

PREPARED:

**JAYPEE C. CAWALING**  
Building Inspector



Republic of the Philippines  
Province of Romblon  
MUNICIPALITY OF SAN JOSE

**DETAILED ENGINEERING ESTIMATES FOR  
PROPOSED WATER GENERATION FACILITY WITH DISTRIBUTION SYSTEM PROJECT FOR THE  
PINAMIHAGAN IP COMMUNITY  
Batacan, Pinamihagan, San Jose, Romblon**

PRICE COMPONENT	Qty.	No. of Days	Rate/Day	AMOUNT	SUB-TOTAL	TOTAL
<b>SPL ITEM III- PIPES, FITTINGS &amp; VALVES INSTALLATIONS (Distribution Lines) .....</b>						
<b>A. LABOR .....</b>					<b>214,500.00</b>	
Foreman	1	30	500.00	15,000.00		
Timekeeper	1	30	450.00	13,500.00		
Pipefitters	6	30	450.00	81,000.00		
Laborers	10	30	350.00	105,000.00		
<b>B. MATERIALS .....</b>					<b>328,000.00</b>	
Installation of 50mm diameter uPVC class 100, 100PSI	1000	l.m.	220.00	220,000.00		
32 mm x 100 m HDPE pipe	8	rolls	6,000.00	48,000.00		
20 mm x 100 m HDPE pipe	5	rolls	3,000.00	15,000.00		
Fittings & Accessories	1	lot	30,000.00	30,000.00		
Fire Hydrant	1	unit	15,000.00	15,000.00		
<b>SPL ITEM IV- SERVICE CONNECTIONS .....</b>						
<b>A. LABOR .....</b>					<b>81,000.00</b>	
Foreman	1	20	500.00	10,000.00		
Timekeeper	1	20	450.00	9,000.00		
Skilled	3	20	450.00	27,000.00		
Unskilled	5	20	350.00	35,000.00		
<b>B. MATERIALS .....</b>					<b>106,200.00</b>	
2 HP Gould pump	1	unit	35,000.00	35,000.00		
2 cu.m. PVC Best Tank	1	unit	30,000.00	30,000.00		
Brass type Faucet	15	pcs	350.00	5,250.00		
Water Meter with accessories	15	pcs	1,250.00	18,750.00		
20mm diam. Gate Valve	15	pcs	450.00	6,750.00		
20 mm Female adapter	45	pcs	70.00	3,150.00		
Teflon Tape	8	pcs	25.00	200.00		
20mm Elbow	30	pcs	70.00	2,100.00		
Pump House	1	lot	5,000.00	5,000.00		

PREPARED:

JAYPEE C. CAWALING  
Building Inspector



Republic of the Philippines  
Province of Romblon  
MUNICIPALITY OF SAN JOSE

OFFICE OF THE MUNICIPAL ENGINEER

November 08, 2022

DATE

PROGRAM OF WORKS

NAME OF PROJECT:	APPROPRIATION:	PROJECT DESCRIPTION		
PROPOSED WATER GENERATION FACILITY WITH DISTRIBUTION SYSTEM PROJECT FOR THE PINAMIHAGAN IP COMMUNITY	Php 1,699,533.78 SOURCE OF FUND: DOST-MIMAROPA	SEE PLAN DETAILS		
LOCATION OF PROJECT:	AMOUNT PROGRAMMED:	IMPLEMENTATION PROCEDURE:		
BATACAN, PINAMIHAGAN, SAN JOSE, ROMBLON	Php 1,699,533.78	BY BIDDING		
Equipment to be used	Needed Available	Number	No. of Calendar Days	
minor tools	1	1	90 CD	
Scope of Work Done	% of Total	Unit	Unit Cost	AMOUNT
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SPL ITEM II CONCRETE WORKS	42.44%	cu.m	121,282.70	574,880.00
SPL ITEM III PIPES, FITTINGS & VALVES INSTALLATION (DL)	40.05%	l.m.	542.50	542,500.00
SPL ITEM IV SERVICE CONNECTIONS	13.82%	lot	187,200.00	187,200.00
<b>TOTAL DIRECT COST</b>	<b>100.00%</b>			<b>1,354,480.00</b>

Breakdown of Estimated Expenditures

ITEM	% OF TOTAL	AMOUNT
<b>1. Direct Cost:</b>		
a. Total Cost of Materials .....	50.25%	853,980.00
b. Total Cost of Labor .....	29.45%	500,500.00
c. Rental of Equipment .....	0.00%	0.00
d. Fuels, Oils, Etc. ....	0.00%	0.00
e. Hauling of Materials .....	0.00%	0.00
<b>Sub-total</b>	<b>79.70%</b>	<b>1,354,480.00</b>
<b>2. Indirect Cost</b>		
a. Overhead Expenses .....	6.38%	108358.40
b. Contingencies .....	0.80%	13544.80
c. Miscellaneous Expenses .....	0.40%	6772.40
d. Contractor's Profit .....	7.97%	135448.00
e. Valued Added Tax .....	4.76%	80,930.18
<b>Sub-total</b>	<b>20.30%</b>	<b>345,053.78</b>
<b>TOTAL ESTIMATED COST</b>	<b>100.00%</b>	<b>1,699,533.78</b>

PREPARED  
  
**JAYPEE C. CAWALING**  
Building Inspector

RECOMMENDING APPROVAL:  
**MAE ANGELICA FAMINI**  
SRS II

APPROVED:  
**MARCELINA V. SERVANEZ**  
Provincial S&T Director



Republic of the Philippines  
Province of Romblon  
MUNICIPALITY OF SAN JOSE

DETAILED ENGINEERING ESTIMATES FOR  
PROPOSED WATER GENERATION FACILITY WITH DISTRIBUTION SYSTEM PROJECT FOR THE  
PINAMIHAGAN IP COMMUNITY  
Batacan, Pinamihagan, San Jose, Romblon

PRICE COMPONENT	Qty.	No. of Days	Rate/Day	AMOUNT	SUB-TOTAL	TOTAL
SPL ITEM I- EXCAVATION (Ground Concrete Tank and Tank Holder) .....						49,900.00
A. LABOR .....						44,500.00
Foreman	1	10	500.00	5,000.00		
Timekeeper	1	10	450.00	4,500.00		
Laborers	10	10	350.00	35,000.00		
B. MATERIALS .....						5,400.00
2"x3"x12' Coco Lumber	30	pcs	168.00	5,040.00		
Common Wire Nails	3	kgs	120.00	360.00		
SPL ITEM II- CONCRETE WORKS(Ground Concrete Tank and tank Holder) .....						574,880.00
A. LABOR .....						160,500.00
Foreman	1	30	500.00	15,000.00		
Timekeeper	1	30	450.00	13,500.00		
Masons/Carpenters	2	30	450.00	27,000.00		
Laborers	10	30	350.00	105,000.00		
B. MATERIALS .....						414,380.00
40 kg Portland Cement	147	bags	360.00	52,920.00		
River Sand	12	cu.m	2,860.00	34,320.00		
Washed Gravel	15	cu.m	2,860.00	42,900.00		
12mm Ø x 6m DSB	182	pcs	320.00	58,240.00		
10mm Ø x 6m DSB	191	pcs	400.00	76,400.00		
Ordinary Welding Rod	3	boxes	1,600.00	4,800.00		
#16 G.I. Wire	34	kgs	2,500.00	85,000.00		
Formworks:						
1/2" thk. Ord. Plywood	30	pcs	980.00	29,400.00		
2"x3"x10' Cocolumber	200	pcs	140.00	28,000.00		
Common Wire Nails (asstd)	20	kgs	120.00	2,400.00		

PREPARED:

JAYPEE C. CAWALING  
Building Inspector



Republic of the Philippines  
Province of Romblon  
MUNICIPALITY OF SAN JOSE

DETAILED ENGINEERING ESTIMATES FOR  
PROPOSED WATER GENERATION FACILITY WITH DISTRIBUTION SYSTEM PROJECT FOR THE  
PINAMIHAGAN IP COMMUNITY  
Batacan, Pinamihagan, San Jose, Romblon

PRICE COMPONENT	Qty	No. of Days	Rate/Day	AMOUNT	SUB-TOTAL	TOTAL
<b>SPL ITEM III- PIPES, FITTINGS &amp; VALVES INSTALLATIONS (Distribution Lines) .....</b>						
<b>A. LABOR</b>					<b>214,500.00</b>	
Foreman	1	30	500.00	15,000.00		
Timekeeper	1	30	450.00	13,500.00		
Pipefitters	6	30	450.00	81,000.00		
Laborers	10	30	350.00	105,000.00		
<b>B. MATERIALS</b>					<b>328,000.00</b>	
Installation of 50mm diameter uPVC class 100, 100PSI	1000	l.m.	220.00	220,000.00		
32 mm x 100 m HDPE pipe	8	rolls	6,000.00	48,000.00		
20 mm x 100 m HDPE pipe	5	rolls	3,000.00	15,000.00		
Fittings & Accessories	1	lot	30,000.00	30,000.00		
Fire Hydrant	1	unit	15,000.00	15,000.00		
<b>SPL ITEM IV- SERVICE CONNECTIONS .....</b>						
<b>A. LABOR</b>					<b>81,000.00</b>	
Foreman	1	20	500.00	10,000.00		
Timekeeper	1	20	450.00	9,000.00		
Skilled	3	20	450.00	27,000.00		
Unskilled	5	20	350.00	35,000.00		
<b>B. MATERIALS</b>					<b>106,200.00</b>	
2 HP Gould pump	1	unit	35,000.00	35,000.00		
2 cu.m. PVC Best Tank	1	unit	30,000.00	30,000.00		
Brass type Faucet	15	pcs	350.00	5,250.00		
Water Meter with accessories	15	pcs	1,250.00	18,750.00		
20mm diam. Gate Valve	15	pcs	450.00	6,750.00		
20 mm Female adapter	45	pcs	70.00	3,150.00		
Teflon Tape	8	pcs	25.00	200.00		
20mm Elbow	30	pcs	70.00	2,100.00		
Pump House	1	lot	5,000.00	5,000.00		

PREPARED:

**JAYPEE C. CAWALING**  
Building Inspector

**PROGRAM OF WORKS**  
 for the proposed 2023 GIA Project entitled  
**Adoption of SES Technology for Domestic Water Generation with Distribution System**  
**for Indigenous People of San Jose**

November 11, 2022

Date

<b>DOST-MIMAROPA Counterpart ----- PhP 1,300,000.00</b>						
COMPONENT	QTY.	# of Days / Unit	Rate/Day	Amount	Sub-total	TOTAL
<b>I. EXCAVATION (Ground Concrete Tank and Tank Holder)</b> -----						<b>PhP 49,900.00</b>
A. Labor -----				PhP 44,500.00		
Foreman	1	10	500.00	5,000.00		
Timekeeper	1	10	450.00	4,500.00		
Laborers	10	10	350.00	35,000.00		
B. Materials -----				PhP 5,400.00		
2"x3"x12' Coco Lumber	30	Pcs	168.00	5,040.00		
Common Wire Nails	3	Kg	120.00	360.00		
<b>II. CONCRETE WORKS (8.cu.m Ground Concrete Tank and Tank Holder)</b> -----						<b>PhP 574,880.00</b>
A. Labor -----				PhP 160,500.00		
Foreman	1	30	500.00	15,000.00		
Timekeeper	1	30	450.00	13,500.00		
Masons/Carpenters	2	30	450.00	27,000.00		
Laborers	10	30	350.00	105,000.00		
B. Materials -----						
40 kg Portland Cement	147	Bags	360.00	52,920.00		
River Sand	12	Cu.m.	2,860.00	34,320.00		
Washed Gravel	15	Cu.m.	2,860.00	42,900.00		
12mm @ x 6m DSB	182	Pcs	320.00	58,240.00		
10mm @ x 6m DSB	191	Pcs	400.00	76,400.00		
Ordinary Welding Rod	3	Boxes	1,600.00	4,800.00		
#16 G.I Wire	34	Kg	2,500.00	85,000.00		
Formworks:						
1/2" thk. Ord. Plywood	30	Pcs	980.00	29,400.00		
2x3"x10' Coco lumber	200	Pcs	140.00	28,000.00		
Common Wire Nails (asstd)	20	Kg	120.00	2,400.00		
<b>III. SERVICE CONNECTIONS</b> -----						<b>PhP 408,200.00</b>
A. Labor -----				PhP 81,000.00		
Foreman	1	20	500.00	10,000.00		
Timekeeper	1	20	450.00	9,000.00		
Skilled	3	20	450.00	27,000.00		
Unskilled	5	20	350.00	35,000.00		
B. Materials -----				PhP 327,200		
2 HP water pump	1	Unit	35,000.00	35,000.00		
2 cu.m. Horizontal, PVC Tank with 2-5 meters high tank tower and tank holder	1	Unit	30,000.00	30,000.00		
Installation of 50mm diameter uPVC class 100. 100PSI	1000	1.m.	220.00	220,000.00		

Installation of 1-inch diameter PVC pipe	10	pcs	100.00	1,000.00		
Brass type Faucet	15	Pcs	350.00	5,250.00		
Water Meter with accessories	15	Pcs	1,250.00	18,750.00		
20mm diam. Gate Valve	15	Pcs	450.00	6,750.00		
20 mm Female adapter	45	Pcs	70.00	3,150.00		
Teflon Tape	8	Pcs	25.00	200.00		
20mm Elbow	30	Pcs	70.00	2,100.00		
Pump House	1	Lot	5,000.00	5,000.00		

**IV. SOLAR ENERGY SYSTEM ----- PhP 267,020.00**

A. Labor -----					PhP 157,500.00	
Electrician	2	30	1,000.00	60,000.00		
Electrician's Labor	5	30	650.00	97,500.00		
B. Materials -----					PhP 109,520.00	
PV Solar System AC application power generation [Lot inclusions: 2 pcs. Solar Panel 300Wp, Monocrystalline High-Efficiency; 1 pc. SRNE 60A, 150V MPPT controller; 1 pc. 2400W, 48VDC-220VAC, 60Hz Pure Sine Wave Toroidal Inverter Charger (Transformer type); 3 pcs. RA12-200D, 12VDC, 200Ah Deep cycle AGM Battery; 40 meters 6.0 mm <sup>2</sup> x 2 PV cable (panel to controller); 8 meters 6.0 mm <sup>2</sup> x 2 UV Cable (panel to controller)]	1	Lot	78,140.00	78,140.00		
Electro-Mechanical System with DC Breakers [Lot inclusions: 1 pc. 1-2P 550V 63A DC Breaker (panel to controller); 1 pc. 1-2P 550V 125A DC Breaker (controller to battery); 1 pc. 1-2P 550V 125A DC Breaker (battery to inverter); 1 pc. DC Breaker (in-line breaker); 1 pc. 200A Bus bar (battery connection); 1 pc. 12 Way distribution box; 1 pc. DC surge protection device (SPD); 1 pc. 20A AC Breaker]	1	Lot	8,000.00	8,000.00		
Other Hardwares & Electrical Materials [Lot inclusions: 3 pcs. 50x50mm cable tray/duct; 1 pc. Heavy duty male plug; 2 pcs. 2-Gang outlet; 5 pcs. Amco Box; 40 pcs. Concrete staple; 1 box #12 PDX wire; 30 pcs. 1" tox & 1/4" screw; 5 pcs. 1/2" PVC pipe; 20 pcs. 1/2" C-Clamp; 5 pcs. 3/4" plastic flat moulding; 40 pcs. 1/4" x 1" bolt & nut with washer; 20 meters 8mm battery cable (battery to inverter, Controller to battery &	1	Lot	15,650.00	15,650.00		

battery connector); 8 pcs. Battery eye terminal						
Aluminum PV module for platform structure <i>[Lot inclusions: 2 pcs. 2.1m Aluminum Rail (for solar panels); 8 pcs. L foot rubber (for solar panels); 4 pcs. Middle clamp (for solar panel); 4 pcs. End clamp (for solar panels); 2 pcs. PV Rail slicer (for solar panels); 1 lot System Board &amp; Battery Box (3 x 200Ah battery capacity)</i>	1	Lot	7,730.00	7,730.00		

**LGU-San Jose Counterpart ----- PhP 542,500.00**

COMPONENT	QTY.	# of Days / Unit	Rate/Day	Amount	Sub-total	TOTAL
<b>I. PIPES, FITTINGS, &amp; VALVES INSTALLATIONS (Distribution Lines) -----</b>						<b>PhP 542,500.00</b>
C. Labor -----						PhP 214,500.00
Foreman	1	30	500.00	15,000.00		
Timekeeper	1	30	450.00	13,500.00		
Pipefitters	6	30	450.00	81,000.00		
Laborers	10	30	350.00	105,000.00		
D. Materials -----						PhP 328,000.00
Installation of 50mm diameter uPVC class 100. 100PSI	1000	1.m.	220.00	220,000.00		
32 mm x 100 m HDPE pipe	8	Rolls	6,000.00	48,000.00		
20 mm x 100 m HDPE pipe	5	Rolls	3,000.00	15,000.00		
Fittings & Accessories	1	Lot	30,000.00	30,000.00		
Fire Hydrant	1	Unit	15,000.00	15,000.00		

Prepared by:

  
**ENGR. REXIE G. MANITO**  
 DOST PSTO Romblon

Noted by:

  
**MARCELINA V. SERVANEZ**  
 PSTD, DOST PSTO Romblon

Detailed Estimate of Solar Energy System

<b>Price Component</b>	<b>Qty</b>	<b>Units</b>	<b>Unit cost</b>	<b>AMOUNT</b>	<b>SUB-TOTAL</b>	<b>TOTAL</b>
PV Solar System AC application power generation -----				78, 140.00		
Solar Panel 300Wp, Monocrystalline High-Efficiency	2	pcs	7200.00	14400.00		
SRNE 60A, 150V MPPT controller	1	pc	8000.00	8000.00		
2400W, 48VDC-220VAC, 60Hz Pure Sine Wave Toroidal Inverter Charger (Transformer type)	1	pc	38700.00	38700.00		
RA12-200D, 12VDC, 200Ah Deep cycle AGM Battery	3	pcs	12500.00	12500.00		
6.0 mm <sup>2</sup> x 2 PV cable (panel to controller)	40	meters	95.00	3800.00		
6.0 mm <sup>2</sup> x 2 UV Cable (panel to controller)	8	meters	95.00	740.00		
Electro-Mechanical System with DC Breakers -----				8,000.00		
1-2P 550V 63A DC Breaker (panel to controller)	1	pc	800.00	800.00		
1-2P 550V 125A DC Breaker (controller to battery)	1	pc	750.00	750.00		
1-2P 550V 125A DC Breaker (battery to inverter)	1	pc	750.00	750.00		
DC Breaker (in-line breaker)	1	pc	1500.00	1500.00		
200A Bus bar (battery connection)	1	pc	1000.00	1000.00		
12 Way distribution box	1	pc	800.00	800.00		
DC surge protection device (SPD)	1	pc	900.00	900.00		
20A AC Breaker	1	pc	1500.00	1500.00		
Other Hardwares & Electrical Materials -----				15, 650		
50x50mm cable tray/duct	3	pcs	510.00	1485.00		
Heavy duty male plug	1	pc	75.00	75.00		
2-Gang outlet	2	pcs	175.00	350.00		
Amco Box	5	pcs	60.00	300.00		
Concrete staple	40	pcs	20.00	800.00		
#12 PDX wire	1	box	4000.00	4000.00		
1" tox & 1/4" screw	30	pcs	7.00	210.00		
1/2" PVC pipe	5	pcs	75.00	375.00		
1/2" C-Clamp	20	pcs	20.00	400.00		
3/4" plastic flat moulding	5	pcs	90.00	450.00		
1/4" x 1" bolt & nut with washer	40	pcs	35.00	1400.00		
8mm battery cable (battery to inverter, Controller to battery & battery connector)	20	meters	250.00	5000.00		
Battery eye terminal	8	pcs	95.00	760.00		
Aluminum PV module for platform structure -----				7,730		
2.1m Aluminum Rail (for solar panels)	2	pcs	850.00	1700.00		
L foot rubber (for solar panels)	8	pcs	60.00	480.00		
Middle clamp (for solar panel)	4	pcs	55.00	220.00		
End clamp (for solar panels)	4	Pcs	55.00	220.00		
PV Rail slicer (for solar panels)	2	pcs	55.00	110.00		
System Board & Battery Box (3 x 200Ah battery capacity)	1	lot	5000	5000.00		

**TIMETABLE**  
for the proposed 2023 GIA Project entitled  
**Adoption of SES Technology for Domestic Water Generation with Distribution System**  
**for Indigenous People of San Jose**

November 11, 2022

Date

<b>PROGRAM OF WORKS</b>	Jan	Feb	Mar	Apr	May	Jun
1. Construction of the Tank Holder for the 8.cu.m Ground Concrete Water Tank						
2. Construction of the 8.cu.m Ground Concrete Tank						
3. Construction of the 2-5 meters high tank tower with tank holder						
4. Installation of the 2 cu.m. Horizontal PVC Water Tank						
5. Installation of the 2Hp Water Pump at the water holding facility at Sitio Batacan IP community						
6. Construction of the Pump House						
7. Construction of the Aluminum PV module for platform structure of the Solar Energy System						
8. Installation of the PV Solar System AC application power generation						
9. Installation of connections from the water source at Sitio Sugod to the water holding facility at Sitio Batacan IP community						
10. Trial Run and Operation						

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