



Republic of the Philippines
Department of Agriculture
Bureau of Fisheries and Aquatic Resources

BIDS AND AWARDS COMMITTEE OFFICE

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SUPPLEMENTAL BID BULLETIN NO. 1

SUBJECT : BID REFERENCE NO. 2022-46 ENTITLED “INSTALLATION OF SOLAR (PV MODULE HYBRID SYSTEM) WATER PUMPS (SHALLOW/DEEP WELL) AND OTHER STRUCTURES AT BFAR NATIONAL FRESHWATER FISHERIES TECHNOLOGY CENTER (NFFTC)”.

A. AMMENDMENT

FROM		TO	
Section III. <u>Bid Data Sheet</u>		Section III. <u>Bid Data Sheet</u>	
<u>Page 21</u>		<u>Page 21</u>	
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: a. Fabrication and Installation of different solar power system project and any kind of building construction. b. Completed within one (1) year prior to the deadline for the submission and receipt of bids.	5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: a. Fabrication and Installation of different solar power system project or any kind of building construction. b. Completed within four (4) years prior to the deadline for the submission and receipt of bids.
10.3	A valid and current Philippine Contractors Accreditation Board (PCAB) License - Specialty for Fabrication and Installation of different Solar Power System with minimum range class Small B license, category C and D.	10.3	A valid and current Philippine Contractors Accreditation Board (PCAB) License - classification of General Engineering, size range small B, license category C & D.

Section IX. Checklist of Technical and Financial Documents	Section IX. Checklist of Technical and Financial Documents
<u>Page 51-52</u>	<u>Page 51-52</u>
<p>I. TECHNICAL COMPONENT ENVELOPE Class "A" Documents</p> <p>Legal Documents</p> <p><input type="checkbox"/> (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR; Technical Documents</p> <p><input type="checkbox"/> (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (attached prescribed format); and</p> <p><input type="checkbox"/> (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (attached prescribed format); and</p> <p><input type="checkbox"/> (d) Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and</p> <p><input type="checkbox"/> (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration; and</p> <p>(f) Project Requirements, which shall include the following:</p> <p><input type="checkbox"/> f.1. Organizational chart for the contract to be bid;</p> <p><input type="checkbox"/> f.2. List of contractor's key personnel (e.g., Electrical/Civil Engineers, Installer, Foreman, Mason, and laborers), to be assigned to the contract to be bid, with their complete qualification and experience data;</p> <p><input type="checkbox"/> f.3. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; and</p> <p>f.4. Warranty certificates for:</p> <p>f.4.1. ten (10) year product warranty on solar (PV) modules with at least</p>	<p>I. TECHNICAL COMPONENT ENVELOPE Class "A" Documents</p> <p>Legal Documents</p> <p><input type="checkbox"/> (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR; Technical Documents</p> <p><input type="checkbox"/> (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (attached prescribed format); and</p> <p><input type="checkbox"/> (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (attached prescribed format); and</p> <p><input type="checkbox"/> (d) Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and</p> <p><input type="checkbox"/> (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration; and</p> <p><input type="checkbox"/> (f) Project Requirements, which shall include the following:</p> <p><input type="checkbox"/> f.1. Organizational chart for the contract to be bid;</p> <p><input type="checkbox"/> f.2. List of contractor's key personnel (e.g., Electrical/Civil Engineers, Installer, Foreman, Mason, and laborers), to be assigned to the contract to be bid, with their complete qualification and experience data;</p> <p><input type="checkbox"/> f.3. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the</p>

<p>eighty percent (80%) power output guaranteed at ten (10) years and twenty-five (25) years expected useful life;</p> <p>f.4.2. two (2) year workmanship warranty; f.4.3. five (5) year product warranty on the inverter and other hardware parts;</p> <p>f.4.4. five (5) year warranty on the structure to withstand wind speed of 200kph and;</p> <p>f.4.5. warranty on the quality of workmanship in all parts, system 52 performance, break-down repair services, and spare parts support.</p> <p>f.5. Construction schedule and S-curve and;</p> <p>f.6. Manpower schedule</p>	<p>duration of the project, as the case may be; and</p> <p><input type="checkbox"/> f.4. Warranty certificates for:</p> <p>f.4.1. ten (10) year product warranty on solar (PV) modules with at least eighty percent (80%) power output guaranteed at ten (10) years and twenty-five (25) years expected useful life;</p> <p>f.4.2. two (2) year workmanship warranty; f.4.3. five (5) year product warranty on the inverter and other hardware parts;</p> <p>f.4.4. five (5) year warranty on the structure to withstand wind speed of 200kph and;</p> <p>f.4.5. warranty on the quality of workmanship in all parts, system 52 performance, break-down repair services, and spare parts support.</p> <p><input type="checkbox"/> f.5. Construction schedule and S-curve;</p> <p><input type="checkbox"/> f.6. Manpower schedule;</p> <p><input type="checkbox"/> f.7. Pert CPM;</p> <p><input type="checkbox"/> f.8. Equipment Utilization schedule;</p> <p><input type="checkbox"/> f.9. Construction method and;</p> <p><input type="checkbox"/> f.9. Site inspection certificate from BFAR NFFTC.</p>
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FROM

Section III. Bid Data Sheet

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	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>
10.4	Electrical Engineer/ Civil Engineer and other related Engineering field	5 years	2 years
	Installer	5 years	2 years
	Foreman	2 years	1 year
	Mason	2 years	1 year
	Laborers	N/A	N/A
	The minimum major equipment requirements are the following:		
10.5	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>
	Mixer speed cutter and other tools for installation and fabrication	one bagger	1

TO

Section III. Bid Data Sheet

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	<u>Quantity</u>	<u>Key personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>
10.4	1	Project Engineer	Licensed Engineer with 3 years of experience in building construction or solar power energy installation	At least 5 years
	1	Foreman	Experience as a foreman	3 years
	4	Installer	Experience as a solar installer; has handled at least 2 solar installation project or electrical works	3 years
	1	Electrician	Experience as an electrician	2 years
	2	Mason	Experience as a mason	N/A
	2	Carpenter	Experience as a carpenter	N/A
	1	Welder	Experience as a welder	N/A
	1	Mixer Operator	Experience as a mixed operator	N/A
	1	Plumber	Experience as a plumber	N/A
	8	Laborer	N/A	N/A
10.5	The minimum major equipment requirements are the following:			
	<u>Quantity</u>	<u>Equipment</u>	<u>Capacity</u>	
	1	Bagger Mixer	one bagger	
	1	Bar Bender	-	
	1	Bar Cutter	-	
	1	Welding Machine	-	

FROM

Section VI. Specification

Term of Reference

Page 39-41

VI. PROGRAM OF WORK, ACTIVITIES AND MATERIALS:

Item No.	Qty	Unit	Activities	Manpower
I	1	set	Installation of 3 Hp submersible solar pump AC/DC (High Head) a. Photovoltaic (PV) modules. b. Protection kit (DC and AC breakers, (DC & AC & AC, SPD, Combine Box) and other Civil works. c. Mounting Support Structures d. Testing and Commissioning	Installer, Registered Electrical Engineer or any Engineer with experience in installing solar power system. Laborers to be provided by the winning bidder/ contractor.
II	3	sets	Installation of 3 units, 2 Hp submersible solar pump AC/DC a. Photovoltaic (PV) modules. b. Protection kit (DC and AC breakers, (DC & AC & AC, SPD, Combine Box) and other Civil works. c. Mounting Support Structures d. Testing and Commissioning	Installer, Registered Electrical Engineer, or any Engineer with Experience in installing solar power system. Laborers are to be provided by the winning bidder/ contractor including vehicles for mobilization of supplies and equipment needed in the project.
III	3	units	Construction of Concrete Reservoir A. Earthworks a.1 Excavation a.2 Backfill/Restoration a.3 Concreting/Masonry Works B. Rebar Works, placing and splice in reinforcement C. Fabrication of materials.	

Qty	Unit	Item Description/Specification	Remarks
1	set	<p>Complete set-up of 3.0 Hp submersible solar pump AC/DC (High head) with mounting structure and installation.</p> <p><u>Detailed Specifications:</u></p> <p>Solar PV Module</p> <ul style="list-style-type: none"> • 10.6 kwp solar capacity inverter • 8kw AC out • Hybrid on grid inverter • 10.24kw storage capacity • 6,000 cycles • 80% dod • Crystalline Silicon Photovoltaic (PV) • Modules Safety Class A • 30 AT, transfer switch, breaker type <p>3 Hp submersible solar pump (Impeller type)</p> <ul style="list-style-type: none"> • Head in meters (min.) 75.0m • Discharge outlet size: 2" diameter • Automatic: AC/DC 	All supplies and materials needed for the installation, testing and commissioning shall be provided by the supplier/contractor
3	sets	<p>Complete set-up of 2.0 Hp submersible solar pump AC/DC with mounting structure and installation.</p> <p><u>Detailed Specifications:</u></p> <p>Solar PV Module</p> <ul style="list-style-type: none"> • 5 kwp hybrid on grid inverter • 6.4 kwp solar capacity • 5.12 kw storage capacity • 6,000 cycles • 80% dod • Crystalline Silicon Photovoltaic (PV) • Module Safety Class A • 20 AT, transfer switch, breaker type <p>2.0 Hp solar submersible (Impeller type)</p> <ul style="list-style-type: none"> • Head in meters (min.) 40.0m • Discharge outlet size: 2" diameter • Automatic: AC/DC 	All supplies and materials needed for the installation, testing and commissioning shall be provided by the supplier/contractor
160	bags	Portland	
1	T.load	Sand (s-1) 10.0 cu.m/ truck load	
1	T.load	Sand separator 10.cu.m/truck load	
1	T.load	Gravel (3/4) 10.0cu.m/truck load	
1,000	pcs.	5" Concrete Hollow Blocks	
150	pcs.	12 mm ØRSB	
150	pcs.	10 mm ØRSB	
60	pcs.	9 mm ØRSB	
20	kgs.	# 16 G.I. Tie wire	
10	kgs.	2",3" Common wire nail	
10	pcs.	½"thk. 4'x8' Phenolic plyboard	

20	pcs.	1½" Ø G.I. Pipe (sch. 40)	
20	pcs.	2" Ø G.I. pipe (sch.40)	
10	pcs.	14" Ø Cutting disc	
20	pcs.	4" Ø cutting disc	
10	pcs.	4" Ø Grinding disc	
5	boxes	Blind rivet (5/32)	
20	pcs.	Drill Bit (5/32" Ø)	
3	boxes	Welding Rod (3/32 Ø) 5kgs./box	
10	pcs.	2" x 2" x 6.0m x 1.5mm thk .G.I. square tube	

TO

Section VI. Specification

Term of Reference

Page 39-41

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II	3	sets	Installation of 3 units, 2 Hp submersible solar pump AC/DC a. Photovoltaic (PV) modules. b. Protection kit (DC and AC breakers, (DC & amp; AC & amp; AC, SPD, Combine Box) and other Civil works. c. Mounting Support Structures d. Testing and Commissioning	Installer, Registered Electrical Engineer, or any Engineer with Experience in installing solar power system. Laborers are to be provided by the winning bidder/ contractor including vehicles for mobilization of supplies and equipment needed in the project.
III	3	units	Construction of Concrete Reservoir A. Earthworks a.1 Excavation a.2 Backfill/Restoration a.3 Concreting/Masonry Works B. Rebar Works, placing and splice in reinforcement C. Fabrication of materials.	

Qty	Unit	Item Description/Specification	Remarks
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1	T.load	Sand separator 10.cu.m/truck load	
1	T.load	Gravel (3/4) 10.0cu.m/truck load	
1,000	pcs.	5" Concrete Hollow Blocks	
150	pcs.	12 mm ØRSB	
150	pcs.	10 mm ØRSB	
60	pcs.	9 mm ØRSB	
20	kgs.	# 16 G.I. Tie wire	
10	kgs.	2",3" Common wire nail	

10	pcs.	½"thk. 4'x8' Phenolic plyboard	
20	pcs.	½"Ø G.I. Pipe (sch. 40)	
20	pcs.	2" Ø G.I. pipe (sch.40)	
10	pcs.	14" Ø Cutting disc	
20	pcs.	4"Ø cutting disc	
10	pcs.	4" Ø Grinding disc	
5	boxes	Blind rivet (5/32)	
20	pcs.	Drill Bit (5/32"Ø)	
3	boxes	Welding Rod (3/32 Ø) 5kgs./box	
10	pcs.	2" x 2" x 6.0m x 1.5mm thk .G.I. square tube	

EQUIPMENT AND MANPOWER REQUIREMENTS	
Quantity	Equipment/Tools
1	Bagger Mixer
1	Bar Bender
1	Bar Cutter
1	Welding Machine
Quantity	Manpower
1	Project Engineer
1	Foreman
4	Installer
1	Electrician
2	Mason
2	Carpenter
1	Welder
1	Mixer Operator
1	Plumber
8	Laborer

****nothing follows****

All other portions of the Bidding Documents affected by these amendments shall be made to conform the same.

Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

The changes made in the Philippine Bidding Documents (6th Edition, July 2020) are deemed integrated with the terms and conditions for this project.

For further inquiries, please coordinate/call the Bids and Awards Committee Secretariat at Tel. No. 8332-4661.

Please be guided accordingly.

(Sgd.) MR. NAPOLEON SALVADOR J. LAMARCA
Vice-Chairperson, Bids and Awards Committee