

MARIANO ...ARCOS STATE UNIVERSITY (Goods and Services) Request for Quotation (RFQ) **Procurement Division** Document Coae Effectivity Date Revision No. PD-FRM-002 January 8, 2021 Page 1 of 7

REQUEST FOR QUOTATION (RFQ)

Date: January 31, 2022 PR No. 2021-12-236(07308603)

Sir/Madam:

Conditions provided at the last page of this RFQ. signed by you or your duly authorized representative not later than 3 days subject to the Terms and Please quote your lowest price on the item/s listed below, and submit your quotation duly

Purchase Order. Delivery period must be at least within 240 days upon receipt of the Notice to Proceed or

For any clarification, you may email us at bac@mmsu.edu.ph.



		Wave Absorber: Type: stainless frame type (Absorber material: plastic) Size: 1.5 m x 0.5 m x 0.8 m (L/W/H) opposite side of wave maker: 1 set 1.0 m x 0.5 m x 0.8 m (L/W/H) (Behind wave maker: 1 set			
		span between columns of windows shall be 1 meter Rails for carriages: 31 m length Measuring carriages: Type: Manual operation. Manual brake shall be attached to stop carriage Quantity: 2 sets			
	29,414,205.00	Wave flume shall be equipped with 2D wave flume, 2D wave maker, 2D current generator, and computer system for wave testing with the following specifications: Tank conditions: Dimensions: 35 m length, 0.5 m width, 0.8 m depth (inside of wave flume) Material: Stainless steel (inside of wave flume), mild steel (others) Observation window: 29 m with glass window),	ot	ŀ ~7	jà
UNIT PRICE	ABC/unit	ITEM DESCRIPTION	Unit	QTY	ITEM



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		-
_	Current Generator	
	interface	
<u>a</u>	system mentioned below, through RS 232 C	
	Data communication: Parameters to determine	
	and wave maker control	
S	Function: Data communication, signal synthesis	
	and wave processor	
<u>s</u> ,	Mounted parts: Servo-controller for the motors,	
	panel)	
	Quantity: 1 set (1 control panel and 1 operation	
	Power climble: AC 220 1/3 phase	
- E	mounted on the floor. Operation panel is desktop	
	Type: Control panel is self-supporting type,	***************************************
	(4) Electrical Panel	
	Quantity: 1 set	
	Type: Capacitance type	
	(3) Wave gauge for absorption	
	Quantity: 1 set	
	Type: AC motor and ball screw	
	(2) Drive assembly	
	Quantity: 1 set	
	Height: 0.8 m	
	Width: 0.5 m	·········
	Supporting: Linear guide rail	
	Material: Stainless steel	
	Type of wave board: Piston type	
	(1) Wave board	
Account of the second of the s	Wave Maker:	
	Control: Absorption/Position control	
	Wave board: Piston type	
	Wave period: 0.5 - 4.0 sec	
	(regular waves)	
) sec	Wave height: Max 0.2 m at wave period of 2.0 sec	
aves	Wave profile: regular, random, and solitary waves	
	Wave performance:	
	Water depth : 0.5 m	
	wave flume)	
le of	Dimensions: 35 m \times 0.5 m 0.8 m (L/W/H) (Inside of	
	Tank conditions:	
	mechanical displacement of wave hoard	• • •
	generate various waves in the wave flume by	
is,	Wave Maker shall be consisting of wave boards,	



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_	for irregular wave generation:		
	- Bretschneider - Mitsuyasu spectrum		
	- JONSWAP spectrum		
	- User specified spectrum		
	The spectrum is defined by superimposing up to		
	100 sine wave components		
	3) Solitary wave generation program		
	- 2D solitary wave	W4447 1144	
	WAVE ANALYSIS PROGRAMS		
	(1) Data acquisition programs		
	(1a) Wave gauge calibration program		
	Measured voltage data measured with the A/D		
	values to calculate calibration coefficients by least		
	values, to calculate calibration coefficients by least		
	(2h) Applied that gathering program		
	Cathered analog data are converted to physical		
	values with calibration coefficients		
	(2) Statistical & spectral analysis program		
	Such data as Hmax, Hmin, H1/3, H1/10, Hvar, T1/3,		
	T1/10, Tvar, etc. are calculated with zero-up		
	method.		
	Runs analysis is also available.		
	and its frequency etc. are calculated through		
	spectral analysis by means of FFT (Fast Fourier		
	Transform).		g-y-1144.11 39
	(3) Incident/reflected wave analysis program		ayar hasanin kayar harabid
	Measured power spectrum is separated into		
	incident and reflected ones. The analyzed output is		***************************************
	same as (2).		
	Reflection factor on models, etc. is also calculated.		
	(4) Spectral form comparison and adjustment		
.,.	program		
	shane between target and measured ones, power		
	spectrum is to be adjusted automatically.		
	CURRENT GENERATION PROGRAMS		
	The program is to generate current in the flume, by		
	outputting the current command to the current		
	generator operation panel. (1) Constant and sinusoidal current generation		
	program		
	- Constant current		
	- Sinusoidal current		
	WAVE MAKER AND CURRENT GENERATOR MONITORING PROGRAM		**************************************
	The program is to monitor the status of the wave		
	maker and the current generator. By monitoring and		



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(Goods and Services)	Paguast for Ougstation (BEO)	Procurement Division	MIARIANO ARCOS STATE UNIVERSITY
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	engineering for at least 3-days			
	Provide short training course on coastal			
	On-site installation and briefing of the software			
	and expression of output.			
	model/software, method of modeling, execution			
	software, theoretical framework of the			
	CADMAS-SURF containing the installation of the			
3,159,860.00	Instruction/Training manual for the SWAN and	set	Н	2

	The model shall be based on freely available data	•		
	case study within the COASTER project study site.			
	The package should include installation and one			
	wave overtopping			
	transformation, CADMAS-SURF (wave force and			
	program which include SWAN (wave			
	Packaging and modeling of the wave analysis			
	Hydro-Wave-Morpho dynamics Software	·		
	Computer Software			

TOTAL ESTIMATED BUDGET: Php32,574,065.00

REMARKS/NOTE:

Business Name:
Signature over Printed Name

Business Name:	
Business Address:	Signature over Printed Name
Printed Name of the Owner:	
TIN:	Tel. No./Cellphone No./e-mail address
PhilGEPS Registration Number:	
Business Permit:	Date
Omnibus Sworn Statement:	
Annual Income Tax Return:	
Canvassed by:	



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TERMS AND CONDITIONS:

- Bidders shall provide correct and accurate information required in this form.
- Bidders may quote for any or all of the items.
- ω Bidders shall submit a copy of the following documents along with the Quotation:
- a. Mayor's/Business Permit
- Ö Notarized Omnibus Sworn Statement (if ABC is more than P 50,000.00)
- Income/Business Tax Return (if ABC is more than P 500,000.00)
- 4. taxes, duties and/or levies payable. Price quotation/s, to be denominated in Philippine peso, shall include all
- o ω Quotations exceeding the Approved Budget for the Contract shall be rejected.
- the minimum technical specifications and other terms and conditions stated Award of contract shall be made to the lowest quotation which complies with
- 7. signed or initialed by you or any of your duly authorized representative/s. Any interlineations, erasures or overwriting shall be valid only if they are
- œ The item/s shall be delivered according to the requirements specified in the Technical Specifications.
- 9 The University has the right to inspect and/or test the goods to confirm their conformity to the technical specifications.
- 10. Liquidated damages equivalent to one tenth of one percent (0.1%) of the imposed per day of delay. value of the goods not delivered within the prescribed delivery period shall be

Received	Received	₹eceived