



Republic of the Philippines
DEPARTMENT OF HEALTH
PHILIPPINE CHILDREN'S MEDICAL CENTER

Quezon Avenue, Quezon City 1100
website: www.pcmc.gov.ph email: officeofthedirector@pcmc.gov.ph
Trunkline: 588-9900 DirectLine: 924-0836 Fax No: 924-0840

BID BULLETIN NO. BB-2021-059

Date : September 8, 2021
TO : ALL PROSPECTIVE BIDDERS
FROM : BIDS AND AWARDS COMMITTEE
SUBJECT : AMENDMENT AS STATED
Name of Project : Supply, Delivery, Installation of Electrical Line, Line Filters, Signal to Noise Filters of Portable 6-Channel EMG-NCV System with Auditory Evoked Potential, Visual Evoked Potential and Somato-Sensory Evoked Potential under Invitation to Bid No. IB-2021-109
ABC = Php 4,345,000.00

This Bid Bulletin No. **BB-2021-059** outlines the amendments in the bidding documents for above projects as follows:

Under Section VII. Technical Specifications

	FROM		TO
A. Specifications:		A. Specifications:	
1. Base Unit		1. Base Unit	
1.2.1 Trigger input	4 TTL compatible, rising and falling edge	1.2.1 Trigger input	4 TTL compatible, rising and falling edge <u>or with trigger input connector</u>
1.2.2 Trigger Output	4 TTL compatible, multiple pulse durations, positive or negative polarity	1.2.2 Trigger Output	4 TTL compatible, multiple pulse durations, positive or negative polarity <u>or with trigger output connector</u>
1.3 Speakers	Built-in, dual 2" high power, front facing, 4 Ohm, 7 watt, with software equalizer	1.3 Speakers	Built-in, Dual or Mono speaker, front facing or external types of speakers
1.4 Footswitch	USB, single pedal	1.4 Footswitch	USB, single, double or triple pedals
1.9 Disconnect/Reconnect	Automatic recovery after connection is lost or power stored	1.9 Disconnect/Reconnect	Automatic recovery after connection is lost or power stored or Autosave of the previous test
3. Available software applications:		3. Available software applications:	
3.1 EMG (Electromyography) - free run and capture mode		3.1 EMG (Electromyography) - free run and capture mode or save	
4. Amplifier		4. Amplifier	
4.6 Impedance measurement: Active, Reference, Ground inputs 20Hz signal, 100 to 1000 Kohm		4.6 Impedance measurement: Active, Reference, Ground inputs 5 omh to 500 Kohm or higher Built-in impedance meter	
4.7 CMRR at 60Hz: Non-switched channels>110dB Switched channels>90dB		4.7 CMMR range from 50 to 60Hz	
4.8 Bandwidth: 0.016-1000000 Hz		4.8 Bandwidth: 0.016-5000 Hz or higher	

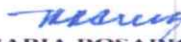
BID BULLETIN NO. BB-2021-059

	FROM		TO
	4.9 Noise: <0.5 uV RMS		4.9 Noise: <0.5 or <0.6 uV RMS
	4.10 Calibration Signals: 50, 100, and 10,000 microvolts (uV) Square wave generator at 100 or 1000 Hz amplitude and frequency user definable		4.10 Calibration Signals: 50, 100, and 10,000 microvolts (uV) Square wave generator at 100 or 1000 Hz amplitude and frequency user definable or the system is pre-calibrated
	4.12 Filters:		4.12 Filters:
	4.12.1 High frequency filter: 2 pole (12 dB/octave) 0.016-100000 Hz in 1Hz steps		4.12.1 High frequency filter: 10Hz to 10KHz or higher
	4.12.2 Low frequency filter: 1 pole (6dB/octave) 0.01, 0.1, 0.5 and 1Hz-100kHz in 1Hz step		4.12.2 Low frequency filter: 0.01Hz to 5Khz (+-20%) or higher
	4.14 Time Base/sweep speed: 0.1 msec/division to 1000 msec/division in 14-23 steps		4.14 Time Base/sweep speed: 0.1 msec/division to 1000 msec/division 1-200 steps
	5. Averager		5. Averager
	5.1 Number of averages per channel: 1 to 10,000		5.1 Number of averages per channel: 0 to 10,000
	5.3 Artifacts Reject; Rejects signal from 30 to 95% of full scale on and off for all channels		5.3 Artifacts Reject; Rejects signal from 30 to 95% of full scale on and off for all channels or +/-1 to +/-5 div, off
	5.6 Pulse types: Single, Pair, Train, Dual train, Triple		5.6 Pulse types: Single or Train
	5.7 Train Count: Unlimited		5.7 Train Count: 2-2000 or higher
	6. Auditory Stimulation		6. Auditory Stimulation
	6.1 Stimulus type: Click, Tones left, right, bilateral, single or train		6.1 Stimulus type: Click, Tones left, right, bilateral
	6.1.1 Click duration: 50-1000 msec in 50 msec steps		6.1.1 Click duration: range from 0.1 to 1000 msec
	6.1.2 Tone Frequency: 0.250 to 8KHz		6.1.2 Tone Frequency: range from 0.250 to 8Khz
	6.2 Stimulus Rate: 0.01 Hz to 90Hz		6.2 Stimulus Rate: range from 0.01Hz to 100Hz
	6.5 Noise :0-100 dB nHL		6.5 Noise :range from -10 to 100 dB nHL
	6.7 Masking Noise Broadband white noise		6.7 Broadband white noise or Contralateral white noise or at least
	7. Visual Stimulator		7. Visual Stimulator
	7.1 Stimulus mode: Pattern, Reversal, Horizontal and Vertical Bars, Pattern Flash LED stimulator left, right, bilateral, single or train		7.1 Stimulus mode: Pattern, Reversal, Horizontal and Vertical Bars, Pattern Flash LED stimulator, left, right
5	Electrical Stimulator 1.6 Stimulus/Pulse Rate: 0.1 - 1000Hz	5	Electrical Stimulator 1.6 Stimulus/Pulse Rate: 0.1 - 100Hz or higher

BID BULLETIN NO. BB-2021-059

FROM		TO	
C.	Consumables per unit	C.	Consumables per unit
1	EMG/NCS Starter Kit At least 2 ground electrodes, at least includes 150 cm cable length, reusable	1	EMG/NCS Starter Kit At least 2 ground electrodes, at least includes 120 to 150cm cable length, reusable
	At least 2 pairs of ring electrodes, at least 150 cm cable length, reusable		At least 2 pairs of ring electrodes, at least 120 cm to 150 cm cable length, reusable
	At least 2-3 pairs of disc electrodes, at least 150 cm cable length, reusable		At least 2-3 pairs of disc electrodes, at least 120 cm to 150 cm cable length, reusable
	At least 2 pairs of flat/bar electrodes, at least 150 cm cable length, reusable		At least 2 pairs of flat/bar electrodes, at least 120 cm to 150 cm cable length, reusable
2	SFEMG Starter Kit SF needle and sharpener, reusable	2	SFEMG Starter Kit 2 reusable SF needle and reusable sharpener or their equivalent as 100 disposable SF EMG needles without sharpener

For information and guidance of all concerned.


MARIA ROSARIO S. CRUZ, MD
 Chairperson, Bids and Awards Committee