



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
GN-29, Salt Lake, Sector-V
Kolkata-700091

Phone No (033) 40340307/319

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Procurement of Medical Equipment for 2 (two) new Govt. Medical College & Hospital
(Discipline-Physiology)

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-214/2022	Dated-24.05.2022
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(2nd call to Bid Reference No.: WBMSCL /NIT-138/2022 Dated –11.04.2022 for items at Sl.
2,3,4,5,10,11,12,13,14 in this present tender)

The following amendment has been made in the tender document,

Amendment – III

Please read the item at Sl. No. 12 of BOQ as Refrigerator instead of (Digital spectrophotometer)

Tender Inviting Authority: West Bengal Medical Services Corporation Limited

Name of Work: Procurement of Medical Equipment for New Medical Colleges and Hospitals (Physiology)

Contract No: WBMSCL/NIT-214/2022

Name of the Bidder/ Bidding Firm / Company :						
PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Item Description	Quantity	Units	BASIC RATE (excluding GST) In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	Double demonstration eye piece	1.000	No		0.00	INR Zero Only
2	Westergren's pipette for E.S.R. on stand(with space pipette)	1.000	No		0.00	INR Zero Only
3	Wintrobe's pipette for ESR and PCV with stand	1.000	No		0.00	INR Zero Only
4	Hemoglobin-meter Hellige (with spaces)	1.000	No		0.00	INR Zero Only
5	Blood Pressure Measuring Instrument	1.000	No		0.00	INR Zero Only
6	Stethoscopes, demonstration with multiple ear pieces	1.000	No		0.00	INR Zero Only
7	Polyrite	1.000	No		0.00	INR Zero Only
8	Spirometer (Students'/Simple/ Tesort's)	1.000	No		0.00	INR Zero Only
9	Gas analyser automatic for CO2, O2, N2	1.000	No		0.00	INR Zero Only
10	Bicycle Ergometer	1.000	No		0.00	INR Zero Only
11	Colorimeter, photoelectric	1.000	No		0.00	INR Zero Only
12	Refrigerator	1.000	No		0.00	INR Zero Only
13	Glassware	1.000	set		0.00	INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words			INR Zero Only			

Amendment – IV

(Page No. 29)

1. List of Consignee

Sl. No.	Name of the items (Discipline - Physiology)	Sarat Chandra Chattopadhyay GMCH- Uluberia	Jalpaiguri GMCH	Total Quantity (in nos.)
1	Double demonstration eye piece	3	3	6
2	Westergren's pipette for E.S.R. on stand(with space pipette)	20	20	40
3	Wintrobe's pipette for ESR and PCV with stand	20	20	40
4	Hemoglobin-meter Hellige (with spaces)	60	60	120
5	Blood Pressure Measuring Instrument	30	30	60
6	Stethoscopes, demonstration with multiple ear pieces	5	5	10
7	Polyrite	1	1	2
8	Spirometer (Students'/Simple/ Tesort's)	15	15	30
9	Gas analyser automatic for CO2, O2, N2	1	1	2

10	Bicycle Ergometer	1	1	2
11	Colorimeter, photoelectric	1	1	2
12	Refrigerator	1	1	2
13	glassware	10 each	10 each	20 sets

Amendment – V
(Page No. 30)
Revised Technical Specifications

Sl. No.	Name of the items (Discipline – Physiology)	Specification
1	Double demonstration eye piece	23 mm dia. eye piece, making it possible for two persons to see the same object at the same time. Should be fitted with a pointer. Instrument should be supplied with top class quality optical components. This instrument should have a Beam Splitting Prism to optical Glass Pointer. Should cover the entire field and should enable clear vision to the observer and sub observer. It should have 360° rotation. It should be held in the desired viewing position by a knurled headed pinch screw.
2	Westergren's pipette for E.S.R. on stand(with space pipette)	As per available standard & MCI guideline
3	Wintrobe's pipette for ESR and PCV with stand	As per available standard & MCI guideline
4	Hemoglobin-meter Hellige (with spaces)	Hemoglobin-meter Hellige with prismatic comparator glasses
5	Blood Pressure Measuring Instrument	Alcohol Sphygmomanometer
6	Stethoscopes, demonstration with multiple ear pieces	Should have double tube from diaphragm • Should be four eartips with single diaphragms • Should be able listen the lung and heart sounds • Chest piece - Ø45mm (adult), - Ø35mm (paediatric) • Should be light weight • Length should be 27" to 29" • Should have high quality sound transmission. • Preferable colour -black Should have tight and soft sealing ear tips •
7	Polyrite	<p>This instrument should record ECG, EMG, EEG, Respiration, Blood Pressure,,Heart sound(Phonocardio), GSR (Electrodermal activity), Plethysmograph, Temperature,Force, Volume, HRV Analysis.</p> <p>This instrument should have features like File compatibility with other applications like MS excel, Heart Rate variability analysis, Pulse analysis, ECG analysis, Respiration analysis, User definable experiment protocols, Online measurement of Heart Rate, Systolic, Diastolic, Mean Blood pressure, Data archiving on CD, Data comparison, User definable event marker</p> <p>Acquisition Box should have following specification:</p> <p>DC Amplifier: Capable to measure Force,Volume, Pressure (Invasive).</p> <p>GSR Amplifier: Capable to measure the skin conductance.</p> <p>Respiration Amplifier: Capable to measure chest respiration, Nasal Air Flow, Abdomen Respiration.</p> <p>Temperature Amplifier: Capable to measure surface & rectal (Internal) temperature.</p> <p>Air Flow Amplifier: Capable to measure Non-Invasive Blood Pressure.</p> <p>Isotonic Amplifier: Capable to measure muscle movement.</p> <p>Photoplethysmograph Amplifier: Capable to measure changes in infrared transmittance resulting from amount of blood flow.</p> <p>Phonocardiogram Amplifier: Capable to measure heart sound, which is useful in study of cardiac valve functioning & relationship between electrical & mechanical events of cardiac cycle.</p> <p>AC Amplifier: Capable to measure electrical activities of all AC</p>

Sl. No.	Name of the items (Discipline – Physiology)	Specification
		<p>parameters like ECG, EEG and EGG from humans & animals.</p> <p>Recording specification</p> <p>Number Of Channels : 8</p> <p>Amplifier : AC/DC</p> <p>Aid Conversion : 14-bit A/D</p> <p>Sampling Rate : 256 Hz/ channel</p> <p>Sensitivity : 1 to 1500 μV/mm</p> <p>Low Pass Filter : 0.1, 0.3, 0.5, 1, 3, 5, 7 Hz</p> <p>High Pass Filter : 0.1, 0.3, 0.5, 2, 10, 15, 35, 70, 99Hz.</p> <p>Sweep Speed : 0.058 – 100 mm/sec.</p> <p>Notch Filter : 50 Hz</p> <p>Input Impedence : > 10 Mohm</p> <p>CMRR : > 80-85 db</p> <p>MINIMUM COMPUTER CONFIGURATION</p> <p>OS: Windows XP Pro/ Windows 7 Professional 32bit, Processor: Core2Duo or higher. RAM: 2GB or higher, 40 GB harddisk or higher. CD/DVD Optical Drive, Screen Resolution 1024x768 or higher</p> <p>HARDWARE & ACCESSORIES</p> <p>EKG disposable electrodes : 1pkt. (50 nos.)</p> <p>ECG Lead (3 lead Patient cable) : 1 nos.</p> <p>EEG electrode : 6 nos.</p> <p>3 Pin Junction Box : 1 nos.</p> <p>ECG jelly : 1 bottle</p> <p>EEG Conduct Paste : 1 jar.</p> <p>Fuse : 2 nos.</p> <p>Earthing cord : 1 nos.</p> <p>USB Cable : 1 nos.</p> <p>Power Cord : 1 nos.</p> <p>Spike protector : 1 nos.</p> <p>Micropore Tape : 1 nos.</p> <p>Software CD</p> <p>Instruction manual</p>
8	Spirometer (Students'/Simple/ Tesort's)	<ul style="list-style-type: none"> • 6 liter capacity for vital capacity • Used as a gas meter with chain/ plastic tread compensated counter balance to the float balance to cut its movement • Pulley calibrated to denote volume inlet & outlet tubes • Side cock for gases • Cock for draining off water strong construction
9	Gas analyser automatic for CO ₂ , O ₂ , N ₂	Gas analyser for 3 tests, CO ₂ , N ₂ and O ₂ (Air Gas / Respiratory Gas)
10	Bicycle Ergometer	<p>Accuracy & Ranges</p> <p>Work Load Range 7 to 750 W; 1000 W peak</p> <p>Work Load Accuracy: < 100 W \pm 3 W 100 to 500 W 3%; 500 to 1000 5%</p> <p>RPM Independent 30 - 150</p> <p>Comfort</p> <p>Q-factor: 180 mm</p> <p>Handlebar adjustment angle: 360°</p> <p>Adjustability range seat: 11.8" (300 mm)</p> <p>Minimum leg length user: 25.4" (645 mm)</p>

Sl. No.	Name of the items (Discipline – Physiology)	Specification
		Dimensions And Weights (L x W x H) 41.3" (105 cm) x 18.1" (46 cm) x 44.9" (114 cm) (desirable) Maximal subject weight: 160 kg Environmental Conditions During Use Temperatures: 14° - 40°C (57° - 140°F) Humidity: 30% - 90% at 25° - 40°C (77° - 104°F) non condensing Standards & Safety CE or US FDA certified
11	Colorimeter, photoelectric (Digital spectrophotometer)	Digital spectrophotometer UV- vis, wavelength 200 to 1000 nm (3 digit after decimal)
12	Refrigerator	Double door, frost free with capacity more than 200 litre
13	Glassware	Heat resistant, borosilicate glassware including beaker (100 ml), test tube (large standard size), centrifuge tube