



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

Phone No (033) 40340308/319

E mail: procurement@wbmsc.gov.in / mp@wbmsc.gov.in

**Procurement of Medical Equipment for Medical College and Hospitals
(GROUP-5)**

(Submission of Bid through *online*)

Bid Reference No.: WBMSC/NIT- 218 /2018

Dated-12.10.2018

The following amendments have been made in the tender document,

AMENDMENT -II

SCHEDULE IV

TECHNICAL SPECIFICATION

HPLC MACHINE

Parameter / Feature	Threshold limit / Range
TIME REQUIRED FOR TESTING A SAMPLE IN MINUTES	5 OR LESS
SAMPLE HOLDING (SAMPLES/RACK)	10 OR MORE
DATA STORAGE (sample result, calibration, QC data. Chromatogram)	50,000 OR MORE
MUST HAVE SPECIFICATION	
Parameter /Feature	Yes / No
Fully automated system	
Bench top integrated system for HbA1c	

Based on High Performance Liquid Chromatography(HPLC)	
SAMPLE TYPE: Whole blood and pre-diluted blood	
PUMP TYPE: Syringe/piston pump with programmable buffer delivery	
ABILITY TO RUN SAMPLE FROM PRIMARY TUBE	
ABILITY TO RUN SAMPLE IN OUTSIDE DILUTION MODE	
SYSTEM FOR COMPLETE ELIMINATION OF LABILE GLYCOHEMOGLOBIN (Labile A1c) ensuring accurate HbA1c levels	
SYSTEM MUST BE FREE FROM INTERFERENCE FROM COMMON Hb VARIANTS INCLUDING HETEROZYGUS HbS, HbC, HbD, HbE	
ACCEPT MULTIPLE SAMPLE TUBES SIZE INCLUDING PRIMARY TUBES MICRO CAPILLARY TUBES	
SOFTWARE TO VIEW REAL TIME CHROMATOGRAMS OF SAMPLE ANALYSIS	
IN-BUILT BARCODE READER FOR SAMPLES IDENTIFICATION	
BI-DIRECTIONAL LIS FACILITY	
ON BOARD QC MONITORING WITH LEVEY-JENNINGS & STATISTICAL CALCULATIONS	
EXTERNAL USB PORT	
IN BUILT THERMAL PRINTER FOR PRINTING RESULTS	
SERVICE CENTRE IN OR AROUND KOLKATA AND ENGINEERING SUPPORT WITHIN 24 HOURS OF LODGING COMPLANT	
Reagents and/or consumables	
READY TO USE KIT WITH BUFFERS, COLUMNS, CALIBRATOR & SYRINGE VIALS	
NORMAL & ABNORMAL HbA1c CONTROL AVAILABLE / PROVIDED BY THE COMPANY	
PROVIDE REAGENTS FOR ONE YEAR IN 3 EQUAL INSTALMENTS WITH THE CALCULATION OF 100 TEST/MONTH (in staggered manner)	
Accessory	
THE SUPPLIER SHOULD PROVIDE ON LINE UPS (1KVA & WITH AT LEAST 1 HOUR BACK UP)	
Quality Standard and Safety Certification	
EUROPEAN CE IVD OR US FDA	
NGSP	



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AMENDMENT -III

SCHEDULE IV

HPLC MACHINE

BOQ has been replaced



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AMENDMENT -II

SCHEDULE V

TECHNICAL SPECIFICATION

(-) 20° FREEZER

PARAMETER/ FEATURE	THRESHOLD LIMIT / RANGE
HOLD OVER TIME IN AMBIENT TEMPERATURE IN HOURS	2 OR MORE
TEMPERATURE RANGE FOR MACHINE IN °C	(-) 20 TO (-) 15
ABILITY TO WORK IN AMBIENT ROOM TEMPERATURE IN °C	(10 TO 30) OR MORE
VOLUME IN LITRES	550 OR MORE
NO. OF ADJUSTABLE STEEL RACKS IN INNER CHAMBER	5 OR MORE

MUST HAVE SPECIFICATION	
PARAMETER/ FEATURE	YES/NO
TYPE: VERTICAL	
STAINLESS STEEL OUTER BODY	
INNER CHAMBER WITH STAINLESS STEEL FOR INSULATION TO MINIMIZE HEAT LOSS	
MICROPROCESSOR BASED TEMPERATURE CONTROL	
SOLID STATE DIGITAL INDICATOR CUM CONTROLLER WITH AUDIO VISUAL ALARM	
ALARM FOR: HIGH LOW TEMPERATURE, POWER FAILURE	
COUNTER BALANCED DOOR, INSIDE ACRYLIC DOORS TO AVOID TEMPERATURE LOSS	
CFC FREE GREEN GAS REFRIGERANT	
DIGITAL TEMPERATURE DISPLAY WITH 0.1°C GRADUATION	
SILICON OR POLYURETHENE FOAM INSULATION PANNEL FOR CASING AND DOOR	
Should be supplied with appropriate capacity servo voltage stabilizer for the entire system having capability of voltage range 130 to 260 volt	
QUALITY STANDARD & SAFETY CERTIFICATION	
EUROPEAN CE OR US FDA	



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SCHEDULE VI

TECHNICAL SPECIFICATION

(-) 80° FREEZER

PARAMETER/ FEATURE	THRESHOLD LIMIT / RANGE
HOLD OVER TIME IN AMBIENT TEMPERATURE IN HOURS	2 OR MORE
TEMPERATURE RANGE FOR MACHINE IN °C	(-) 50 TO (-) 80
ABILITY TO WORK IN AMBIENT ROOM TEMPERATURE IN °C	(10 TO 30) OR MORE
VOLUME IN LITRES	400 OR MORE
NO. OF ADJUSTABLE STEEL RACKS IN INNER CHAMBER	5 OR MORE

THICKNESS OF POWDER COATED CRCA STEEL SHEET OF OUTER BODY IN MM	1
MUST HAVE SPECIFICATION	
PARAMETER/ FEATURE	YES/NO
TYPE: VERTICAL	
STAINLESS STEEL OUTER BODY	
INNER CHAMBER WITH STAINLESS STEEL FOR INSULATION TO MINIMIZE HEAT LOSS	
MICROPROCESSOR BASED TEMPERATURE CONTROL	
SOLID STATE DIGITAL INDICATOR CUM CONTROLLER WITH AUDIO VISUAL ALARM	
ALARM FOR: HIGH LOW TEMPERATURE, POWER FAILURE	
COUNTER BALANCED DOOR, INSIDE ACRYLIC DOORS TO AVOID TEMPERATURE LOSS	
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SCHEDULE VII

TECHNICAL SPECIFICATION

PHACOIMULSIFICATION SYSTEM

PARAMETER / FEATURE	THRESHOLD LIMIT / RANGE
VACCUM IN MM Hg	500 OR MORE
ASPIRATION RATE IN CC/MINUTE	40 OR MORE
HAND PIECE WITH QUATZ CRYSTALS NUMBER	4 TO 6
FREQUENCY IN KHZ OF HAND PIECE	28-40 OR MORE
CUTS PER MINUTE (ANTERIOR VITRECTOMY)	1000 OR MORE
MEMORY SETTINGS	10 OR MORE
MUST HAVE SPECIFICATION	
PERISTALIC DIGITAL PUMP	
CLOSED FLUIDIC SYSTEM	

HAND PIECE TO BE COMPATIBLE WITH BOTH STRAIGHT & BENT TIPS, NON LINEAR/ NON CONVENTIONEL ULTRASOUND MODE OF DELIVERY	
MODE: LINEAR, BURST, PLUSE, OCCLUSION	
VACCUME & ASPIRATION CONTROL LINEAR AND PANNEL	
REFLUX GRAVITY FED & CONTROLLED BY FOOT PEDAL	
FLUID VENTING SYSTEM	
MANNUAL i/v POLE	
HAND PIECES COMPATIBLE WITH BOTH STRAIGHT & BENT TIPS	
HAND PIECES NON-CONVENTIONAL ULTRASOUND MODE OF DELIVERY	
AUTOCLAVABLE REUSABLE TUBING/ DISPOSABLE TUBING	
PNEUMATIC VITRECTOMY CUTTER	
INTEGRATED/EXTERNAL AIR COMPRESSOR	
HANDPIECES & FORCEP AND IRRIGATION ASPIRATION HANDPIECES BIMANUAL FROM MANUFACTURER; DIATHERMY MAY OR MAY NOT BE FROM MANUFACTURER BUT SHOULD BE US FDA OR EUROPEAN CE APPROVED	
COLOUR LCD/LED DISPLAY	
LINEAR CONTROL ON FOOT PEDAL	
PHACO HAND PIECE: 1 NO	
TIP: 4 NOS	
SLEEVES: 4NOS	
TEST CHAMBERS: 4 NOS	
AUTOCLAVE TUBING/ DISPOSABLE TUBING: 2 / 50 NOS	
VITRECTOMY PROBE: 5NOS	
DIATHERMY HAND PIECE WITH FORCEPS : 1 NO	
I/A BIMANUAL: 1 NO	
AUTOCLAVE BOX: 1 NO	
CONSOLE: 1 NO	
FOOT PEDAL: 1NO	
ORIGINAL STAND FROM MANUFACTURER: 1NO	
UPS: 1 NO	
QUALITY STANDARD & SAFETY CERTIFICATION	

EUROPEAN CE OR US FDA	
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SCHEDULE VIII

TECHNICAL SPECIFICATION

COAGULATION ANALYSER

Parameter /Feature	THRESHOLD LIMIT/RANGE
NUMBER OF CHANNELS	4 OR MORE
NUMBER OF USB PORTS	1 OR MORE
NUMBER OF SAMPLES CAN BE RUN AT A TIME	4 OR MORE
MUST HAVE SPECIFICATION	
Parameter/Feature	Yes/No
SYSTEM IS SEMI AUTOMATIC	
BASED ON OPTICAL/ MECHANICAL PRINCIPLE	
COMPLETE SYSTEM WITH PRINTER OR PRINTER CONNECTIVITY	

LCD/ LED Display	
Should perform the tests like PT, a-PTT, fibrinogen, thrombin time, factors II, V, VII, VIII, IX ,X, XI, XII, XIII, Protein C, Protein S, ATIII, LA, D-Dimer	
SYSTEM SHOULD HAVE L-J FACILITY	
RS232 PORT	
LIS COMPATIBILITY	
REAGENTS ARE COMPANY/BRAND SPECIFIC	
QUALITY STANDARD & SAFETY CERTIFICATION	
EUROPEAN CE IVD OR US FDA	