WEST BENGAL MEDICAL SERVICES CORPORATION LIMITED
Through
United Nations Development Programme, New Delhi.

Invitation to Bid (ITB)

SUPPLY OF MEDICAL EQUIPMENT FOR CCUs AND HDUs OF THE GOVERNMENT OF WEST BENGAL

ITB: UNDP-WBMSC-09-2014

Amendment-II, dated 17 December, 2014

The following amendments are hereby made to the Bid document for the *Supply of MEDICAL EQUIPMENT FOR CCUs and HDUs of the Government of West Bengal*, with reference to above ITB:

Section 3a - Schedule of Requirements and Technical Specifications are hereby replaced as in Annexure below of this Amendment.
Section 7 – Price Schedule form is hereby replaced as in annexure below of this Amendment.

Please note that **Schedule No. 2 (Portable X-ray Machine) and Schedule No.4 (Microbial Culture Machine)** have been deleted.

The quantities of other schedules also stands modified (please see Annexure below).

All other terms and conditions of the bid document, except as amended herein above, remain unaltered.

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Annexure

Section 3a: Schedule of Requirements and Technical Specifications

List of Goods

Sch. No.	Description	Quantity	Bid Security
1	Biphasic External Defibrillator	42	INR 210,000 / USD 3500
3	Automated Cell Counter	43	INR 260,000 / USD 4200
5	Ventilator (Standard)	47	INR 10,00,000 / USD 16,000

Delivery, Installation, Training & Commissioning - Completion Schedule:

Delivery to consignee would be in a staggered manner as indicated below:-

Within 30 days of issue of award of contract delivery & installation should be completed in a phased manner as given in the table below.

The supplier will have to provide hands on training to the end user as and when required by WBMSCL / the end user for 2 year after the successful installation of equipment.

The successful bidder will have to set up service centre in West Bengal and submit proper document in support within 15 days of receipt of Award of Contract (AOC).

Note: *While installation at the designated site/location and commissioning will be the responsibility of the supplier, basic readiness of the site enabling such installation will be the responsibility of the consignee.*

Indicative timeline for equipment supply for CCUs and HDUs

Sl. No.	Indicative timeline	Biphasic External Defibrillator (Quantity)	Automated Cell Counter (Quantity)	Ventilator (Standard) (Quantity)
1	Feb-15	14	15	23
2	Apr-15	13	13	6
3	Jun-15	7	7	3
4	Jul-15	4	4	12
5	Aug-15	4	4	3
	Total Quantity	**42**	**43**	**47**

Consignee:- CCUs and HDUs of various District Hospitals and Sub Divisional Hospitals of Govt. of West Bengal. Complete consignee details will be provided at the time of Awarding of Contract.

Technical Specifications

Schedule - 1
Biphasic External Defibrillator

- Biphasic, Manual and AED with voice prompt, compact and light weight
- Energy selection 5J to 200J in steps
- Momentary energy selection access on front panel
- Should have adult and pediatric paddles integrated on same handle.
- Momentary charge key on front panel and on the apex hand.
- Monitor 8" or more should display selected and delivered energy
- Should have disarm facility
- Energy should be delivered within 30ms after the detected R wave in synchronization mode
- Charging time maximum 5 sec for 200J
- Should have battery backup (3 to 4 hrs) for 50 discharges of 200J
- Should have ECG inputs through paddles or 3 lead cables
- Should have display for selected ECG input source (I, II, III paddles)
- Lead off message should appear with alert tone.
- Amplitude gain of ECG waveform should be adjustable
- Should have display for heart rate
- Should have alarm for high and low HR.
- Should have an inbuilt thermal recorder-paper size 60 mm, paper speed 25mm/sec
- Should have enable/disable option for printer
- Should supply 2 bottle of jelly, 12 roll of thermal paper.
- Should supply three pairs of AED pads
- Should operate on mains 230V, 50Hz
- Optional:- External pacing facility. In case this facility exist bidder should quote separately for this optional item.

- **Environmental Factors**
  - The Unit shall be capable of being stored continuously in ambient temperature of 10 – 40^{o} C & relative humidity of 15-90%
  - Shall Meet IEC – 60601 – 1 -2:2001 (or Equivalent BIS) general requirements of safety for electromagnetic compatibility
  - Shall be capable of operating continuously in ambient temperature of 10-40^{o}C and relative humidity of 15-90%

- **Power Back-up**
  - Power input: 220-240V/50 Hz Single phase or 380-400 V AC50 Hz three phase fitted with appropriated Indian plugs & sockets.

- **Standards, Safety & Training**
  - Should be US FDA approved product
  - Electrical safety conforms to standards for electrical safety IEC – 60601/IS-13450
  - Manufacturer should have ISO certification for quality standards

- Should have local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual
- Warranty for 2 years and provision of CMC for next 8 years
- User manual in English
- Service manual in English
- List of important spare parts and accessories with their part number and costing
- Certificate of calibration and inspection from factory
- List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual
- Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
- Must submit user list and performance report within last 3 years from major hospitals

Schedule - 3
Automated Cell Counter

- It should be 3 part differential hematology cell counter with throughput of 60 samples/hour with 18 parameters like WBC, Lymph#, Mon#, Gra#, Lym%, Mon%, Gra%, RBC, Hb, Hct, MCV, MCH, MCHC, RDW, PLT, MPV, PCT, PDW and should give histograms and grphs of RBC, PLT and WBC 3-Diff.

- The instrument should have a provision for paediatric sample analysis, analyzed at a lower volume of whole blood without using capillary it should use max specimen volume: 10µl – 50 µl for CBC + 3 Dif count and should have open tube.

- It should have two different chambers for WBC, RBC, HB, PLT.

- The system should use the proven and approved "Volumetric Metering" system of cell counting for WBC's, RBC's and PLT's for high precision of the results & stability of the calibration. WBC differential parameters such as Neut, Lym& Mixed Cells in absolute count will be preferred rather than total granulocytes.

- It should have liquid valves for precise volume & reliability.

- It should have stepper motor vacuum pump which should be noiseless running on compressor.

- It should not have any recurring cost of periodical replacement of clot filters.

- Large Touch screen display with ports for LIS, LAN, RS-232 and user friendly software

- It should be based on 2/3 compact reagents. It should have integrated barcode reader, frontal USB port, integrated Printer, security & traceability of quality control with 3 level to plot L J graphs and XB management, DATA management and should be able to upload or download control information, display of results.

- Reagent for 9000 tests (with staggered supply) or as per requirement should be provided along with the machine
- Quality control tools/Reagents for six @ 50 samples a day – 01 set or as per requirement
- Cost of reagents should be quoted for comparative evaluation.

- **Environmental Factors**
  - The Unit shall be capable of being stored continuously in ambient temperature of10 – 40^0C & relative humidity of 15 – 90%
  - Shall Meet IEC – 60601 – 1 – 2:2001 (or Equivalent BIS) general requirements of safety for electromagnetic compatibility
  - Shall be capable of operating continuously in ambient temperature of 10 – 40^0C and relative humidity of 15 – 90%.

- **Power Back-up**
  - Power input: 220-240V/50Hz Single phase or 380-400 V AC50 Hz three phase fitted with appropriated Indian plugs & sockets.

- **Standards, Safety & Training**
  - Should be US FDA or CE approved product
  - Electrical safety conforms to standards for electrical safety IEC – 60601/IS – 13450
  - Manufacturer should have ISO certification for quality standards
  - Should have local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual
  - Warranty for 2 years and provision of CMC for next 5 years
  - User manual in English
  - Service manual in English
  - List of important spare parts and accessories with their part number and costing
  - Certificate of calibration and inspection from factory
  - List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual
  - Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered

Must submit user list and performance report within last 5 years from major hospitals.

Schedule - 5
Ventilator -Standard

- To serve adult & pediatric age group patients.
- It should have integrated US FDA approved Compressor. The ventilator should be compressor driven.
- Provision for running with compressed air supply with separate air inlet port. In absence or low pressure of air supply, ventilator should be run by compressor.
- Hinged arm holder for holding
- In built Monitoring Screen
- Automatic Compliance & Leakage compensation for circuit and artificial airway

- **Following settings for all age groups**
  - Tidal volume – 50ml to 2000ml
  - Pressure (Insp) – 0 to 60cm H_2O
  - Respiratory Rate – upto 60 breaths per minute or more.
  - PEEP – 0 to 20 cm of H_2O (0 to upper limit of at least 20cm of H_2O)
  - FiO_2 21 to 100%
  - Pause time – 0-30% or equivalent time in seconds of breath cycle time
  - Pressure & Flow Trigger – Pressure Trigger 0-20 cm H_2O below PEEP; Trigger Flow 0.5 – 6 LPM
  - Inspiratory rise time – 0-20% of breath cycle time or equivalent in seconds
  - I:E ratio – Standard Range (1:1.5 – 1:3) with Provision for inverse ratio ventilation
  - Ti – 10-80% or equivalent time in seconds of breath cycle time
  - Peak Output Flow up to 140 LPM or more

- **Monitoring of the following parameters**
  - Airway Pressure (Peak, Plateau & Mean)
  - Tidal Volume (Mandatory :- Inspiratory and Expiratory, Desirable :- Spontaneous)
  - Minute Volume (Inspiratory & Expiratory and Spontaneous)
  - Total Frequency of breaths & I:E ration
  - Alarms for all measured & monitored parameters

- **Modes of Ventilation**
  - Volume Cycled Ventilation
    - Assist / Controlled/SIMV
  - Pressure Controlled
    - Assist/Controlled/SIMV
  - CPAP/PSV

- **Apnea / Back-up ventilation :- Volume and pressure controlled in user friendly manner**
- Audio – Visual Alarm for
  - Airway Pressure
  - High continuous Pressure
  - FiO_2
  - Expired minute volume

- Apnea
- End expiratory pressure
- Respiratory rate
- Gas Failure
- Battery

- Preferably Automatic Patient Detection facility
- Battery Back-up for minimum 1 hour (including compressor)

- **System Configuration Accessories, Spares & Consumables**
  - ICU Ventilator – 1
  - Adult &Paediatric Reusable silicon breathing circuit – 02 each
  - Life expectancy of silicon circuit should be at least one year (both during warranty period & CMC period).
  - Humidifier – 01

- **Environmental Factor**
  - The Unit shall be capable of being stored continuously in ambient temperature of 0 – 50^0C & relative humidity of 15 – 90%
  - Shall Meet IEC – 60601 – 1 – 2:2001 (or Equivalent BIS) general requirements of safety for electromagnetic compatibility
  - Shall be capable of operating continuously in ambient temperature of 10 – 40^0C and relative humidity of 15 – 90%
  - All sensors and ventilatory circuit with its parts should be non-consumable and should be provided free of cost during warranty and CMC.

- **Power Supply**
  - Power input should be 220 – 240 V AC, 50Hz
  - Resettable over current breaker shall be fitted for protection
  - Suitable online UPS with commensurate capacity for all ventilators including compressor supplied in each CCU with maintenance free batteries for minimum one hour back-up should be supplied.

- **Standards, safety and training**
  - Should be US FDA and CE approved
  - Certified to be compliant with ISO-7767 (or equivalent) for Oxygen monitoring
  - Demonstration of quoted equipment model is a must
  - The successful bidder will have to set up its own service centre in West Bengal and submit proper documents in support within 15 days of receipt of Award of Contract (AOC).The manufacturer will also have to set up their regional office in West Bengal.
  - The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual
  - **Warranty for 2 years and CMC for 8 years.**

- **Documentation**
  - Certificate of calibration and inspection from factory
  - List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual
  - User manual in English
  - Service manual in English

- Log Book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company engineer should be clearly spelt out
- List of important spare parts and accessories with their part number and costing
- Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered

- Must submit user list and report within last 5 years from major hospitals

NOTE :

1) Reusable consumables should last during the warranty period.
2) In case any additional reusable consumables are required during the warranty period those will be supplied free of charge by the supplier.
3) The life expectancy of the reusable consumable is expected to be of at least one year from the date of purchase of the same. The reusable consumables will be procured at the prices accepted as per the contract.
4) Any reference to brand / product, in case it occurs anywhere in the technical specification is purely for indicative/illustrative purposes and should be read as including its equivalent.
5) The product quality requirement in this ICB will be CE ("ConformitéEuropéene") and US FDA.
6) Unless specified otherwise in the Technical Specifications, all offers should include UPS unit or battery backup of at least one hour, as the case may be, with each equipment.
7) Offered product catalogue to be attached in original (2 in nos.) with each bid.
8) Attach valid quality certification document(s); no self-certifications admissible.
9) Quality Management System in conformity with ISO 9001:2008 where specified;
10) Product quality standard (CE and US FDA) to be supported by authentic documents; Warranty, its scope and service facilities to be clearly indicated in the documents.
11) One CD/DVD of demonstration video to be submitted along with the bid.
12) One CD/DVD of demonstration video must be supplied with the equipment for end users.

Section 7: Price Schedule Form[1]

The Bidder is required to prepare the Price Schedule as indicated in the Instruction to Bidders. The Bidders are requested to provide the **cost of the goods**(***inclusive of all tax/duty, excluding entry tax***) for each Schedule quoted in the following format.

SCH. No. (a)	BRIEF DESCRIPTION OF GOODS (b)	QTY. (c)	MAKE/MODEL NO. &COUNTRY OF ORIGIN (d)	CURRENCY (e)	UNIT PRICE DDP (Incoterm 2010) FINAL DESTINATION (all inclusive) (f)	TOTAL PRICE DDP (Incoterm 2010) FINAL DESTINATION (all inclusive) (g) = (c) x (f)
1	**Biphasic External Defibrillator**	**42**				
	CMC Charges for Year1 after completion of 2 years of warranty	**42**				
	CMC Charges for Year2 after completion of 2 years of warranty	**42**				
	CMC Charges for Year3 after completion of 2 years of warranty	**42**				
	CMC Charges for Year4 after completion of 2 years of warranty	**42**				
	CMC Charges for Year5 after completion of 2 years of warranty	**42**				
	CMC Charges for Year6 after completion of 2 years of warranty	**42**				
	CMC Charges for Year7 after completion of 2 years of warranty	**42**				
	CMC Charges for Year8 after completion of 2 years of warranty	**42**				
3	**Automated Cell Counter**	**43**				
	CMC Charges for Year1 after completion of 2 years of warranty	**43**				
	CMC Charges for Year2 after completion of 2 years of warranty	**43**				
	CMC Charges for Year3 after completion of 2 years of warranty	**43**				

[1]*No deletion or modification may be made in this form. Any such 1deletion or modification may lead to the rejection of the Bid.*

	CMC Charges for Year4 after completion of 2 years of warranty	**43**				
	CMC Charges for Year5 after completion of 2 years of warranty	**43**				
5	**Ventilator (Standard)**	**47**				
	CMC Charges for Year1 after completion of 2 years of warranty	47				
	CMC Charges for Year2 after completion of 2 years of warranty	47				
	CMC Charges for Year3 after completion of 2 years of warranty	47				
	CMC Charges for Year4 after completion of 2 years of warranty	47				
	CMC Charges for Year5 after completion of 2 years of warranty	47				
	CMC Charges for Year6 after completion of 2 years of warranty	47				
	CMC Charges for Year7 after completion of 2 years of warranty	47				
	CMC Charges for Year8 after completion of 2 years of warranty	47				

*** DDP Price final destination shall include all the cost incidental to delivery at final destination including all duties & taxes to be paid.**

*** DDP Price of the above equipment shall include Supply and Installation, Commissioning and warranty for Equipment.**

**** There shall be no exemption from any applicable tax or duty;**

***** Entry tax @ 1% of cost of goods is applicable which will be reimbursed.**

NOTE :The following points with regard to consumables should be noted while bidding for the schedule:-

1. Reusable consumables should last during the warranty period.
2. In case any additional reusable consumables are required during the warranty period those will be supplied free of charge by the supplier.
3. The life expectancy of the reusable consumable is expected to be of at least one year from the date of purchase of the same. The reusable consumables will be procured at the prices accepted as per the contract.
4. The price excluding CMC quoted in one schedule should be in one currency only.
5. If CMC column is left blank, then it will be assumed that the CMC is free of cost.

BIDDER'S DISCOUNT FOR ACCELERATED PAYMENT

____% of total firm price for each calendar day less than thirty (30) days

BIDDER'S SIGNATURE AND CONFIRMATION OF THE ITB

PROVIDED THAT A PURCHASE ORDER IS ISSUED BY UNDP**WITHIN THE REQUIRED BID VALIDITY PERIOD** , THE UNDERSIGNED HEREBY COMMITS, SUBJECT TO THE TERMS OF SUCH PURCHASE ORDER, TO FURNISH ANY OR ALL ITEMS AT THE PRICES OFFERED AND TO DELIVER SAME TO THE DESIGNATED POINT(S) WITHIN THE DELIVERY TIME STATED IN SCHEDULE OF REQUIREMENT.

Exact name and address of company COMPANY NAME_____ ADDRESS_____ _____ PHONE NO._____FAX NO. _____ EMAIL ADDRESS OF CONTACT PERSON_____ OTHER EMAIL ADDRESSES_____	_____ **AUTHORIZED SIGNATURE** **DATE** _____ NAME OF AUTHORIZED SIGNATORY (TYPE OR PRINT) _____ FUNCTIONAL TITLE OF SIGNATORY **WEB SITE**_____