

**THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED**  
( A Government of West Bengal Enterprise)  
CIN : U40104WB1985SGC039154

Registered & Corporate Office:  
**Bidyut Unnayan Bhaban,**  
**Block - LA,Plot No. 3/C,**  
**Sector-I I I,Salt Lake City,**  
**Kolkata – 700106**



**NOTICE INVITING “EXPRESSION OF INTEREST (EOI)”**

**FOR**

**" Setting up a Medical Unit along with Telemedicine Facilities and its operation and management at Pachhwara (North) Coal Mine of the WBPDC "**

**EOI NOTICE NO. WBPDC/CORP/M&C/EOI/2023-24/1641**  
**DATED.12.02.2024**

The West Bengal Power Development Corporation Ltd.(WBPDC) is intended to set up a Medical Unit along with Telemedicine Facilities and its operation and management at Pachhwara (North) Coal Mine of the WBPDC.

For this purpose, WBPDC invites Expression of Interest (EOI) from the interested, established and reputed business organizations/agencies/firms.

Interested parties are requested to refer the terms and conditions as laid down under “Information to the interested parties” of this notice and submit their EOI as per Annexure-I within **05/03/2024 at 15:00 hrs.**

The details may be submitted in through **wbtenders.gov.in** as per the format. It may be noted that submission of EOI does not in any way constitute any kind of commitment on the part of WBPDC.

EOI Inviting Authority : The General Manager(M&C) , Corporate ,  
The West Bengal Power Development Corp. Ltd. , Bidyut Unnayan Bhaban, Plot No. 3/C LA-Block,  
Sector-III, Bidhannagar,Kolkata-700 106 .

For more details necessary correspondences have to be made with :

**The Sr. Manager(PS), M&C, Corporate,**  
**West Bengal Power Development Corporation Limited,**  
**Bidyut Unnayan Bhaban, 6th Floor, 3/C, LA Block, Sector-III, Bidhan Nagar, Kolkata-700106.**  
**Contact No: +91: 033 -2339 3625 / 9830616477**  
**Email id: ichaudhuri@wbpdcl.co.in**

## **INFORMATION TO THE INTERESTED PARTIES**

### **1. Introduction**

The West Bengal Power Development Corporation Limited (hereinafter referred as WBPDC/ Employer/Owner/Purchaser which expression includes its successors and assigns) is a Govt. of West Bengal enterprise and the largest power generating utility in the state of West Bengal. It has an existing installed capacity of 4265 MW with 5 (five) power plants viz.

- i) Kolaghat Thermal Power Station ( 4 x 210 MW) ,
- ii) Bakreshwar Thermal Power Station (5 x 210 MW),
- iii) Sagardighi Thermal Power Project (2 x 300 MW+ 2 x 500 MW) ,
- iv) Bandel Thermal Power Station (1 x 60 MW+ 1 x 215 MW) and
- v) Santaldih Thermal Power Station (2 x 250 MW).

The following coal mines had been allotted to WBPDC by MoC ,GoI :

- i) Barjore Coal Mine
- ii) Barjora North Coal Mine
- iii) Gangaramchak & Gangaramchak-Bhadulia Coal Mine
- iv) Pachchwara North Coal Mine
- v) Tara (East & West) Coal Mine

### **2. Intent of the EOI**

- i. EOI is requested for Setting up a Medical Unit along with Telemedicine Facilities and its operation and management at Pachchwara (North) Coal Mine of the WBPDC . Interested party shall submit their proposal alongwith a list of all medical equipment and functionalities , detailed Healthcare Services to be rendered , required Medical and Non-Medical Personnel , detailed services under telemedicine . They will submit statutory documents , credentials , Audited Accounts alongwith Audit report for last three consecutive financial years with the EOI letter as per Annexure-A
- ii. After completion of the EOI process, tender on the respective job will be floated with specific eligibility criteria , scope and terms and conditions. Shortlisted firm/bidders of EOI process will be allowed to participate in the tender process subject to fulfillment of tender eligibility criteria.
- iii. Through tender process eligible bidder who quotes the lowest offered value will be selected as successful bidder for the respective job.
- iv. The WBPDC will issue "Service Contract" towards placement of Letter of Award" on the successful bidder for the respective job with specific terms & conditions and scope of work.
- v. The exact terms and conditions will be communicated later during the tender phase.

### 3. Scope of work

- i. The Agency shall Set-up and operate a Telemedicine facility at Pachhwara (North) Coal Mines for promoting primary preventive healthcare amongst all local inhabitants and patients.
- ii. The contract period shall be 5 (five) years from the date of placement of LoA.
- iii. The Agency shall Procure and install all medical equipment and functionalities .
- iv. One month shall be provided for implementation and setting up of the Medical Unit along with telemedicine facilities. An additional 15 days shall be provided for commencement an operation of such facilities.
- v. The Agency shall Operate and maintain the Facility and provide such healthcare services, through the Facility.
- vi. The Medical Unit shall be operational throughout the month.
- vii. The Agency shall Engage doctors, nurses, other medical-staff and non-medical staff required for the management and operations at the Facility.
- viii. The Telemedicine facility shall have to be set up to provide OPD services.
- ix. Operational expenditure shall include the operational charges & housekeeping , medical & non-medical personnel charges , ambulance charges , path lab charges , x-ray charges , bio-medical waste disposal charges which are inclusive of any manpower charges.
- x. The Agency shall also make available the initial medicine stock and replenish the same as and when required.
- xi. The Agency shall also provide medicines to the patients based on the prescription of the medical experts deployed by them and also the Medical Officers of WBPDCCL, posted at Pachhwara (North) Coal Mines, at free of cost, to be extended to patients . Average count of patients is 900 patients per month.
- xii. Extra payment will be on pro-rata basic if the total patients per month exceed 900 nos.
- xiii. Any payment to the manpower engaged/ deployed by the Agency shall be in compliance with applicable statutory provisions and shall be the sole responsibility of the Agency.
- xiv. Arrangement for uninterrupted power supply (DG Set) and internet facility is to be made by the Agency.

- xv. The Agency shall procure all the licenses required in relation to operation of the Facility and the Healthcare Services being rendered and the services to be provided by the Facility .
- xvi. The Agency shall perform its obligations with high degree of skill, care, and judgment and in accordance with generally accepted professional standards and practices.
- xvii. Any medical negligence shall be dealt as per relevant statutory provisions.

**Annexure –II : Table –A ,B, C, D may be referred for preparation of Technical proposal.**

#### **4. Terms and conditions**

- i. The WBPDCCL reserves the right to close /cancel this Expression of Interest at any stage without assigning any reason whatsoever.
- ii. The submissions of the EOI document do not in any way commit or otherwise oblige the WBPDCCL to proceed with accepting the EOI.
- iii. Site Visit : Any bidder who requires to visit the site shall make his own arrangement for the same.
- iv. Each bidder is responsible and liable for all costs , expenses and liabilities incurred by it in connection with or incidental to the submission of EOI.

#### **5. Interested bidders are requested to log on to the website <https://wbtenders.gov.in> to submit their EOI.**

**Bidders willing to take part in the process of EOI are required to obtain Digital Signature Certificate (DSC) from any authorized Certifying Authority (CA) under CCA, Govt of India. (viz. nCode Solution, Safescrypt, e-Mudhra, TCS, MTNL, IDRBT ) or as mentioned in e-tendering portal of GOWB <https://wbtenders.gov.in>. DSC is given as a USB e-Token. After obtaining the Class II/III Digital Signature Certificate (DSC) from the approved CA they are required to register the Digital Signature Certificates through the registration system available in the website.**

**Interested bidders will have to download the tender documents from the website <https://wbtenders.gov.in> directly with the help of the e-Token provided. This is the only mode of collection of tender documents.**

*[ WBPDCCL may ask the interested parties to submit this EOI form supported by respective documentary evidence, duly filled , signed and sealed in original to the office of GM(M&C), Corporate, WBPDCCL ]*

**ANNEXURE –I**  
**SUBMISSION OF EOI FOR SETTING UP A MEDICAL UNIT ALONG WITH**  
**TELEMEDICINE FACILITIES AND ITS OPERATION AND MANAGEMENT AT**  
**PACHHWARA (NORTH) COAL MINE OF THE WBPDCCL**

(To be printed on the letter head of the interested party/agency and duly signed and stamped)

**To**  
**The General Manager (M&C) ,**  
**Corporate , WBPDCCL**

Dear Sir,

We are interested for the job of **Setting up a Medical Unit along with Telemedicine Facilities and its operation and management at Pachhwara (North) Coal Mine of the WBPDCCL .** We have gone through the terms and conditions and scope of the work as detailed in the notice of inviting the EOI.

The following are the details of our firm which are supported by documentary evidence:

|                                                                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------|--|
| Name of the Company /firm                                                                                          |  |
| Registered office address and contact details                                                                      |  |
| Name and designation of authorized signatory for this EOI                                                          |  |
| Address for communication of authorized signatory with contact details                                             |  |
| Details of business owned by the company/firm                                                                      |  |
| Organization details<br>CIN<br>GSTIN<br>PAN<br>PF Account No.<br>ESI code<br>Shareholding pattern<br>Other details |  |
| Average Annual Turnover of last three consecutive financial years                                                  |  |
| Credentials towards having experience on similar nature of job                                                     |  |

We are submitting our proposal along with indicative plan, budgetary offer for the job of Setting up a Medical Unit along with Telemedicine Facilities and its operation and management at Pachhwara (North) Coal Mine of the WBPDCCL.

We have enclosed the Audited Accounts alongwith Audit report for last three consecutive financial years alongwith company credentials.

**SEAL OF COMPANY**

**Name : .....Designation : .....**

Authorized Signature, Name & Designation

## Annexure –II

**TABLE -A**

**Medical Equipment and functionalities:**

| Particulars                                               | Quantity |
|-----------------------------------------------------------|----------|
| SEMI-AUTO ANALYSER                                        | 1        |
| HAEMATOLOGY CELL COUNTER                                  | 1        |
| ELECTRIC NEEDLE BURNER                                    | 1        |
| REVOLVING STOOL                                           | 3        |
| CENTRIFUGE (16 TUBE)                                      | 1        |
| PHOTOCHEM COLORIMETER (8 FILTER)                          | 1        |
| MICROSCOPE (DOUBLE)                                       | 1        |
| AUTOCLAVE (10 x 12) PORTABLE                              | 1        |
| ELECTRICAL DIGITAL BALANCE                                | 1        |
| REFRIGERATOR                                              | 1        |
| FURNITURE                                                 | 1        |
| DESKTOP COMPUTER WITH ALL ACCESSORIES                     | 2        |
| PRINTER                                                   | 2        |
| 1.5TON 3-STAR SPLIT AC                                    | 3        |
| 250 MA HF FIXED X-RAY MACHINE WITH LEAD GUARD             | 1        |
| CR SYSTEM WITH CASSETE                                    | 1        |
| X-RAY TABLE-FIXED, CHEST STAND                            | 1        |
| LEAD APRON WITH THYROID SHIELD                            | 3        |
| UPS 6KVA 1:1 WITH IGBT AND BUILT-IN ISOLATION TRANSFORMER | 1        |
| B-TYPE OXYGEN CYLINDER                                    | 2        |
| CYLINDER TROLLEY B-TYPE                                   | 1        |
| FOWLER BED                                                | 2        |
| BED SIDE LOCKER                                           | 2        |
| OVER BED TABLE                                            | 2        |
| INSTRUMENT TROLLEY                                        | 2        |
| DOUBLE FOOTSTEP                                           | 3        |
| EXAMINATION TABLE                                         | 1        |
| X-RAY VIEW BOX (SINGLE)                                   | 1        |
| LINEN TROLLEY                                             | 2        |
| WHEELCHAIR                                                | 2        |
| PATIENTS STATURE (NORMAL)                                 | 1        |
| PATIENTS STATURE (HEIGHT ADJUSTABLE)                      | 1        |
| IV STAND PORTABLE                                         | 2        |
| BP APPARATUS DIAL TYPE                                    | 1        |
| MANUAL STETHOSCOPE                                        | 1        |
| PLASTER CUTTING SET                                       | 1        |

**TABLE B**  
**Health-care Services**

1. PRE-NATAL AND ANTE NATAL CARE (EXCEPTING DELIVERY) INCLUDING VACCINE
2. NEO-NATAL AND INFANT HEALTH
3. TREATMENT OF CHILDHOOD DISEASES INCLUDING ADOLESCENT HEALTHCARE
4. MANAGEMENT OF COMMUNICABLE DISEASES AND GENERAL OUTPATIENT CARE FOR SIMPLE ILLNESS AND MINOR AILMENTS.
5. PREVENTION, SCREENING AND MANAGEMENT OF NON-COMMUNICABLE DISEASE
6. FIRST AID FOR TRAUMA AND BURNS
7. REFERRAL SERVICES (AS PER PRE-DEFINED PROTOCOLS)
8. ANY OTHER SERVICE FOR THE BENEFIT OF THE LOCAL POPULATION AS MUTUALLY AGREED BY THE PARTIES
9. AMBULANCE SERVICES
10. GENERAL CHECK-UP
11. BASIC TREATMENT FACILITY FOR FOLLOWING DISEASES:
  - PNEUMOCONIOSIS
  - SILICOSIS
  - ORTHOPAEDIC
  - NOISE INDUCED HEARING LOSS
12. OCCUPATIONAL HEALTH CARE
13. GYNAECOLOGICAL

**TABLE C**  
**Medical and Non-Medical Personnel:**

1. RESIDENT MEDICAL OFFICER - 1
2. AYUSH DOCTOR CUM EPIDEMIOLOGIST- 1
3. RADIOLOGY TECHNICIAN -1
4. PHARMACIST -1
5. LAB TECHNICIAN -1
6. LAB ASSISTANT -1
7. NURSE CUM MIDWIFE -3
8. GENERAL ATTENDANT FOR SWEEPING AND CLEANING -1

## TABLE D

### **Scope of Work for Telemedicine Facilities**

The Telemedicine facility shall have to be set up to provide OPD services. The resident Medical Officers may attend to G.P. OPD cases while cases requiring specialist doctors may be addressed through telemedicine unit. Primary Healthcare OPD services shall include Doctors (G.P. and Specialists) consultation, diagnostic tests(including Blood Electrolytes), , examination, investigation and medication. It is intended to ensure that a patient will avail the above services all in one go. The overall scope of work for the selected bidder will consist of designing, development, supply, installation, implementation, operationalization, commissioning & maintenance of end-to-end Telemedicine services capable of delivering Primary healthcare OPD services, at the Medical Unit of Pachhwara (North) Coal Mines under WBPDCCL.

Responsibility of the selected Bidder:

The selected bidder shall be responsible for:

(A) Deployment of Hardware:

Integrated Telemedicine Terminal with real time video conferencing, clinical decision support system, e-Prescription, Electronic Medical Records with Medical Device Data Integration and monitoring and analytics. The functionalities should include the following, with details given in the table below:

- a) Biochemistry analyzer
- b) X-Ray Scanner,
- c) ECG 12 channel,
- d) Fetal Doppler,
- e) Stethoscope (Digital),
- f) USB Digital Endoscope (Otoscope),
- g) Dermatoscope,
- h) Digital Thermometer,
- i) BP Apparatus Dial Type,
- j) Stethoscopes Manual,
- k) Fingertip pulse oximeter,
- l) Miscellaneous Medical instruments: Nebulizer, weight-machine, Baby Weighting Scale, Height scale, Needle cutter, Mini sterilizer, centrifuge machine, forceps, scissors, trays, scalpel, oxygen concentrator, refrigerator.
- m) Medical Furniture: Examination table, Double footstep, Bed side screen, Patients waiting chair, Doctor stand chair, Revolving stool.
- n) Power Solution: inverter, battery



| Details of Equipment, Instruments, Furniture & Fixtures to be provided |                                                                                                                                                                                                                                                                   |      |                                                                                                                                                                                                                                                                                    |             |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Item No.                                                               | Description of works                                                                                                                                                                                                                                              | Unit | Specifications (or equivalent)                                                                                                                                                                                                                                                     | QtyPer Unit |
| 1.10                                                                   | Video Conferencing Terminal                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                    |             |
| 1.11                                                                   | Integrated Telemedicine Solution with real time video conferencing, clinical decision support system, e-Prescription, Electronic Medical Records with Medical Device Data Integration and monitoring and analytics, user friendly housing with built in 1 KVA UPS | Pcs  | A rugged low maintenance user friendly durable, mobile, secured cabinet designed to improve delivery efficiency and to protect sensitive & delicate equipment from the harsh environment. Software License to be provided for the project period                                   | 1           |
| 1.12                                                                   | Compact Processing Unit                                                                                                                                                                                                                                           | Pcs  | Intel Core i3 Processor 7th generation, 4GB DDR3 RAM/ 500GB DATA HDD/ 18.5 inch monitor/ Keyboard and Mouse                                                                                                                                                                        | 1           |
| 1.13                                                                   | Web camera                                                                                                                                                                                                                                                        | Pcs  | HD 720p/30 fps video calls with diagonal 55° field of view and auto light correction                                                                                                                                                                                               | 1           |
| 1.14                                                                   | Headphone with microphone                                                                                                                                                                                                                                         | Pcs  | Wired over-ear stereo headset with mic                                                                                                                                                                                                                                             | 1           |
| 1.15                                                                   | Printer                                                                                                                                                                                                                                                           | Pcs  | B/W, A-4 Laser printer                                                                                                                                                                                                                                                             | 1           |
| 1.16                                                                   | Mouse                                                                                                                                                                                                                                                             | Pcs  | Optical mouse                                                                                                                                                                                                                                                                      | 1           |
| 1.17                                                                   | USB Hub                                                                                                                                                                                                                                                           | Pcs  | High speed 7 port 2.0 Hub (3 powered USB PORT)                                                                                                                                                                                                                                     | 2           |
| 1.18                                                                   | X-Ray/ CT Film Scanner/ Document Scanner & Uploader or equivalent                                                                                                                                                                                                 | Pcs  | Autofocus 16 MP, Manual & software zooming control programmable. USB 2.0 cable power, backlit scanner plate. Scanning speed less than 1 sec. Upto A-3 size film/paper                                                                                                              | 2           |
| 1.19                                                                   | Digital Stethoscope                                                                                                                                                                                                                                               | Pcs  | Dual frequency, battery operated                                                                                                                                                                                                                                                   | 1           |
| 1.20                                                                   | Digital ECG                                                                                                                                                                                                                                                       | Pcs  | 12-channel, 12-wave forms, Leads- I, II, III, aVr, aVL, aVF, V1 - V6. Heart rate range 20 to 250 BPM. HR accuracy +2 bpm. Frequency range .67 to 150 Hz, CMRR -105db. ADC Sampling rate - 500 samples per sec.                                                                     | 1           |
| 1.21                                                                   | Digital Otoscope                                                                                                                                                                                                                                                  | Pcs  | USB 2.0 Powered, six adjustable LED lights, 5.0 mm circumference                                                                                                                                                                                                                   | 1           |
| 1.22                                                                   | Digital Derma scope                                                                                                                                                                                                                                               | Pcs  | 500X magnification, eight adjustable LED lights, USB 2.0 powered                                                                                                                                                                                                                   | 1           |
| 1.23                                                                   | Digital Fetal Doppler                                                                                                                                                                                                                                             | Pcs  | Sensitivity $\geq 90$ dB, measurement range - 50 to 210 bpm, accuracy $\pm 1$ bpm, speaker power 1 watt, (battery not included with Fetal Doppler, need to buy 2 pcs AA batteries each 1.5V). Working mode continuous. Ultrasound output power- 10mW/cm sq. Frequency- 2.5 - 3 MHz | 1           |
| 1.24                                                                   | Digital Thermometer                                                                                                                                                                                                                                               | Pcs  | Digital – non-contact type                                                                                                                                                                                                                                                         | 1           |
| 1.25                                                                   | BP apparatus dial type                                                                                                                                                                                                                                            | Pcs  | Minimum Pressure Measurement Range 20 mmHg, Maximum Pressure Measurement Range 300 mmHg, Pressure Measurement Accuracy $\pm 2$ mmHg                                                                                                                                                | 1           |
| 1.26                                                                   | Fingertip pulse oximeter                                                                                                                                                                                                                                          | Pcs  | Adult and Pediatric patients SpO2 Measurement range 70% - 100% Resolution 1% Measurement accuracy 70% - 100%: $\pm 3\%$ .                                                                                                                                                          | 1           |
| 1.27                                                                   | Hemoglobin meter                                                                                                                                                                                                                                                  | Pcs  | Handheld digital Hemoglobin testing device                                                                                                                                                                                                                                         | 1           |
| 1.28                                                                   | Blood sugar monitor                                                                                                                                                                                                                                               | Pcs  | Standard                                                                                                                                                                                                                                                                           | 1           |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                                                                                                                                                                                |   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 1.29 | <p>Automatic Bio-Chemistry Analyzer</p> <ul style="list-style-type: none"> <li>- fully integrated with telemedicine suite (Reports from the machine gets directly uploaded to the Doctors interface and EMR)</li> </ul> <p>Following POCT Biochemistry test which required to be done from the center –</p> <ul style="list-style-type: none"> <li>- Alanine Aminotransferase / SGPT(ALT)</li> <li>- Albumin (ALB)</li> <li>- Alkaline phosphatase (ALP)</li> <li>- Amylase (AMY)</li> <li>- Aspartate Aminotransferase/SGOT (AST)</li> <li>- Carbon dioxide (CO2)</li> <li>- Creatinine (CREA)</li> <li>- Globulin (GLOB)</li> <li>- Glucose (GLU)</li> <li>- Total Bilirubin (TBIL)</li> <li>- Total Protein (TP)</li> <li>- Triglyceride (TG)</li> <li>- Urea (Urea)</li> <li>- Uric Acid (UA)</li> <li>- Chloride (Cl)</li> <li>- Potassium (K)</li> <li>- Sodium (Na)</li> <li>- Direct Bilirubin (DBIL)</li> <li>- Indirect Bilirubin (IBIL)</li> <li>- HDL</li> <li>- LDL</li> <li>Cholesterol (CHOL)</li> </ul> | Pcs | <p>POCT maintenance free equipment with solid chemistry discsmeasuring multiple parameters.</p> <p>Tests includes complete LFT, KFT, Blood Electrolyte, Cardiac Enzyme and Emergency tests</p> | 1 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|

| All the equipment / functionality must be integrated into one telemedicine solution |                      |     |                                                                                                                 |     |
|-------------------------------------------------------------------------------------|----------------------|-----|-----------------------------------------------------------------------------------------------------------------|-----|
| 2.10                                                                                | Medical equipment    |     |                                                                                                                 |     |
| 2.11                                                                                | Nebulizer            | Pcs | Compressor nebulizer - power operated 220-volt 50 Hz Max pressure 46 PSI, flow rate 6 lpm @ 10 PSIG             | 1   |
| 2.12                                                                                | Stethoscope (Manual) | Pcs | Dual head with stainless steel chest piece high sensitivity, floating diaphragm, soft ear pieces                | 1   |
| 2.13                                                                                | Centrifuge           | Pcs | Mini centrifuge: Capacity 8 x 15ml                                                                              | 1   |
| 2.14                                                                                | Weight Machine       | Pcs | Analog weighing scale                                                                                           | 1   |
| 2.15                                                                                | Height Measure       | Pcs | Stature meter (roll up model)                                                                                   | 1   |
| 2.16                                                                                | Baby Weighting Scale | Pcs | Analogue with height measurement                                                                                | 1   |
| 2.17                                                                                | Needle Cutter        | Pcs | Electrical syringe & needle destroyer                                                                           | 1   |
| 2.18                                                                                | Mini Sterilizer      | Pcs | Electric instrument sterilizer 16" X 6" X4" -SS-304                                                             | 1   |
| 2.19                                                                                | Inverter & battery   | Set | 2KVA inverter with 2 nos 12V 150AH AMP battery backup (min 4hrs)                                                | 1   |
| 2.20                                                                                | Refrigerator         | Pcs | 47 ltr. Refrigerator temp range 2-8 degree                                                                      | 1   |
| 2.21                                                                                | Oxygen concentrator  |     | 5 Liter Medical Grade Machine with 90% Saturation at 5 Liter Output. Flow rate 1-5L/min adjustable And Variable | 1   |
| 3.10                                                                                | Pathology            |     |                                                                                                                 |     |
| 3.11                                                                                | Pipette              | Pcs | Variable 10-100 ml                                                                                              | 1   |
| 3.12                                                                                | Vacutainers          | Pcs | Standard                                                                                                        | 200 |

For avoidance of doubt, it is hereby clarified that the integrated terminal mentioned in above table means a terminal comprising all the functionalities specified therein in a single enclosure/unit which should then be integrated to the software with CDSS system to be provided and as described below.

(B) Software:

- 1) Deployment of telemedicine (video) software with Clinical Decision Support System (CDSS). Medical Records should comply with Electronic Health Records (EHR). CDSS is to be used both at Doctor's end and at patient end. Requirement of CDSS is mandatory and any bidder without this offering as the part of Telemedicine Solution will not be considered. WBPDCCL will monitor the review and frequency of updating of CDSS content deployed by service provider.
- 2) The Telemedicine Solution shall be built with open-source technology and capable of API integration with other portals, if required.
- 3) The system shall support multiple concurrent user transactions.
- 4) The system shall be capable of handling text, image, structured document, and data among others.

The software/ Platform shall include the following functionalities:

- a) Diagnosis: Capability for differential diagnosis covering at least 500 diseases, 5000 symptoms.

- b) Treatment Protocol: Should cover at least 400 investigations and Treatment protocols covering most diseases with reference ranges, interpretations & cross linkages.
- c) Pharmacopeia: Should cover at least 50,000 brands covering over 6500 formulations extensively
- d) Electronic Health Record: Accessibility of medical record of the patient anywhere.
- e) Data Security: Medical records must be encrypted and secured with at least 128-bit SSL.
- f) Dashboard: suitable dashboard and MIS for monitoring.

(C) Support: The selected bidder shall be responsible for support towards:

- a) System operationalization
- b) Regular service for ensuring seamless performance. The bidder shall maintain/ upgrade/ update etc. the backend telemedicine platform and the software at the backend, doctors' end, dispensary end etc.
- c) Consumables of Bio-chemistry analyzer (including dry-chemistry disc).

(D) Training and Capacity building:

The selected bidder shall undertake training of operators and periodic capacity building.

Responsibility of WBPDCCL:

- a) A secured room of approximate area of 100 (minimum 10x 10 or 9x11) Sq. feet with access road, electricity & water supply shall be provided at the concerned Medical Unit.
- b) Internet Broadband connectivity
- c) To carry on awareness activities within the catchment area.

Responsibility of the Agency:

- a) To provide the telemedicine assets as mentioned above.
- b) To provide doctors (G.P. & Specialist) to conduct online consultations with patients.
- c) Recruit trained nurse for operation of the center.
- d) To operate the center and provide necessary supervision to the day-to-day operations.
- e) To provide technology platform and manage the backend to ensure seamless performance.
- f) Provide necessary generic medicines and medical consumables.
- g) Provide remote supervision and monitoring tools and all other necessary supports.

**Note: Lifesaving and emergency injections such as adrenaline, atropine, pantoprazole, ondansetron, anti-allergic, steroid, phenytoin, lorazepam ,iv fluid etc. should be included in the 'List of Medicines'.**