

TENDER FOR SUPPLY OF INSTRUMENT, EQUIPMENT,
RENOVATION & MODIFICATION OF DPHL (BSL II LAB.) AT DHH
BHAWANIPATNA FOR THE CDM&PHO KALAHANDI

Name of the District / Health Institution: CDM&PHO, KALAHANDI
(HEALTH & F.W. DEPT. ,GOVT. OF ODISHA)

Bid Reference No. CDM&PHO/KLD/ 4420 /2020-21

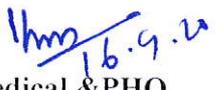
LAST DATE & TIME OF RECEIPT OF BID DOCUMENTS : 28-9-20 at 04.00 PM

DATE & TIME OF OPENING OF THE TENDER : 29-9-20 at 05.00 PM

PLACE OF OPENING OF BID DOCUMENTS
AND
ADDRESS FOR COMMUNICATION
&
RECEIPT OF BID DOCUMENTS

O/o Chief District Medical &PHO,
Kalahandi, Odisha, PIN-766001

Terms and Conditions – Page No. 02 to 03
Instrument & Equipment Name & Specification – Page No. 04 to 10


Chief District Medical &PHO
Kalahandi

**TERMS, CONDITIONS & SPECIFICATION FOR SUPPLY OF
INSTRUMENT, EQUIPMENT, RENOVATION & MODIFICATION OF
DPHL (BSL II LAB.) AT DHH BHAWANIPATNA FOR THE CDM&PHO
KALAHANDI**

1. The bidders will download the tender from the District Web Site: www.kalahandi.nic.in by Tender cost of Rs.5000/- (Rupees Five thousand only) and EMD Cost. Rs.12000/- (Rupees Twelve Thousand only) in shape of Demand Draft in favour of ADMO (Medical) Central Store, Kalahandi.
2. The tender paper will be rejected if the bidder changes any clause or Annexure of the bid documents downloaded from the website.
3. Sealed tenders will be received by date 28-9-20 up to 4.00 pm by the office of the CDM&PHO, Kalahandi for the purchase of Instrument, Equipment renovation & Modification of DPHL (BSL ii Lab.) At DHH Bhawanipatna. Any tender paper received after the due date and time will be rejected/returned to the sender unopened. The tender paper will be received through Speed Post/ Regd. Post Only.
4. The CDM&PHO shall have no responsibility for any delay / Omission on part of the bidder and reserves the right to reject any or all the tenders without assigning any reason thereof.
5. The bidder(s) are to submit their tenders in separate sealed covered envelopes for Technical Bid and Price Bid by superscribing Cover 'A' (Technical Bid) and Cover 'B' (Price Bid) & both the sealed covers should be put into a third outer cover which should be superscribed as "Tender for Supply of Instrument, Equipment Renovation & Modification of DPHL (BSL ii Lab.) At DHH Bhawanipatna for the year 2020-21" and Tender Reference No. CDM&PHO/ KLD/ 4420 / 2020-21 on dated 16-9-20.
6. The sealed tenders will be opened by the CDM&PHO, Kalahandi in the office chamber of the CDM&PHO, Kalahandi on Dated 29-9-20 at 05.00 pm. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.
7. The rate quoted by the bidder should be inclusive of all taxes (VAT/CST/ET/Frieght/ Insurance etc)
8. Conditional tenders are liable to be rejected .All Disputes are subjected to Hon`ble Court of Bhawanipatna, Kalahandi, Odisha.
9. If the successful bidder/ bidders fail to supply within the stipulated period i.e. 30 (Thirty) days from date of receipt of final proof from CDM&PHO, Kalahandi liquidated damage @ 0.5% of the tender value per week of delay shall be deducted from the final payment. Maximum delay time acceptable is 8 weeks. Hence, the maximum liquidated damage shall be up to 4% of purchase order. If the bidder fails to supply within the maximum delay time his order stands cancelled automatically.
10. The authority will not make any advance payment to the organization. The organization will have to carry out the entire job on its own and the amount will be paid only after satisfactory completion of the job and submission of bill in that regards.
11. The supply of items shall be made immediately according to volume after placing the supply order in the office of the CDM&PHO, Kalahandi and supplier shall submit the bill for payment at the approved rate in respect to quantity of items supplied. The transportation of items is sole responsibility of the supplier and must deliver the item on door delivery basis.

12. In case of failure on the part of the approved supplier to supply of the above mentioned items as per supply order with stipulated period, the CDM&PHO, Kalahandi shall be at liberty to purchase above mentioned items from other sources and the approved supplier shall be liable to pay the excess amount which this office have to incur being the different of actual amount of purchase minus the amount as per approved rates and difference aforesaid shall be recoverable and adjustable against the security deposit amount.

13. Under no circumstances shall the organization appoint any sub contractor or sublease the contract. If it is found that the organization has violated these conditions the contract will be terminated forthwith without any notice and security deposited by the organization shall be forfeited.

14. Rates quoted against this tender notice shall remain valid up to 12 months after award of contract. No request of increase in rates, if any, will be allowed or entertained during this period.

15. Bidders should submit the photocopy of valid GST Registration Certificate & PAN Card.

16. Bidders should one year audit report audited by any Chartered accountant and his turn over must be 50 lakh or above

17. Receiving & Opening of Tender may be changed if required by the under Signed, it will be intimated.

18.9.20

Chief District Medical Officer & PHO
Kalahandi

INSTRUMENT & EQUIPMENT NAME & SPECIFICATION

1. Nucleic Acid Extractor :-

Specification :-

1. Sample Capacity - 1~96
2. Process volume - 200~600 μ l
3. Consumables - 96 Deep well plate + 96 magnetic rod's tip
4. Working principle - Magnetic beads method
5. Purification accuracy - 100 copy sample positive rate > 95%
6. Stability - CV<5%
7. Lysis temp - Ambient temperature ~120⁰ C
8. Elution temp - Ambient temperature ~120⁰ C
9. Mixing - Mixing ways can be editable
10. Operation interface - 7-inch touch screen, 3 shortcut buttons and mouse is available
11. Built-in protocol - 8 groups of preset protocols, 100 groups of protocols can be stored
12. Protocol management - New, Edit, Delete, Save as Template, Create.
13. Expansion interface - Standard USB, Ethernet port and RS 232 available
14. Lighting - Yes
15. Sterilization - UV light
16. Exhaust way - By Fan
17. Data storage - Available, with built-in SD card
18. Max. input power - 300W
19. Dimension - 560mm \times 620mm \times 500mm
20. Weight - 54Kg

2. Cooling Centrifuge

Specification :-

1. Extremely quiet operation (Brushless DC motor).
2. Very low noise level: 56dB at Max. RPM.
3. High performance - Max. 17,000rpm (rcf : 27,237xg).
4. Temp Range – (-20 C to 40 C)
5. RPM / RCF conversation mode.
6. Rotor Identification Automatically.
7. CE marked.

8. Simplest Control by Jog-Shuttle Switch - Patented user interface.
9. Digital Timer Function with Continuous running mode (99hr 59min).
10. High Performance Microprocessor-based control.
11. Precise Digital Feedback control of Speed.
12. Jog Shuttle Switch (Turn + Push).
13. Digital Back Light LCD, with Power bar graph.
14. Capacity: 1.5ml(2.0ml)×30 Tubes, 8X8 PCR Strip.
15. Short Acceleration and Braking times.

3. Plate Centrifuge :-

Specification :-

1. Voltage - 220-230 V
2. Frequency - 50-60 Hz
3. Max Speed - 2550 rpm/600 xg
4. Rotor Capacity - 2 x 2 PCR Plates
 - 2 x Microtiter plates
 - 24 x 0.2 mL PCR Strips
5. Deceleration - 4 seconds
6. Dimensions - 230 x 260 x 197 mm
7. Weight - 4.0 kg
8. Permissible Ambient Temperature - 4 to +40°C
9. Permissible Relative Humidity - 80%

4. Non-refrigerated Centrifuge :-

Specification :-

1. Voltage - 220-240 V
2. Frequency - 50-60 Hz
3. Current - 3 A
4. Max Speed - 15000 rpm (200-15000 rpm) with increment of 10 rpm
5. Max. RCF - 21,380 xg with increment of 10 xg
6. Speed Accuracy - ±20 rpm
7. Rotor Capacity - 5 mL x 18 places.
 - 0.2 mL/0.5 mL/ 1.5 mL/2 mL x 24 places.
 - 0.5 mL x 36 places PCR 8 x 4 place

- 8. Run Time - 30 sec-99 min-HOLD (Continuous operation)
- 9. Driving Motor - Brushless DC motor
- 10. Safety Devices - Dual door interlock
 - Over-speed detection
 - Over temperature detection
- 11. Automatic internal diagnosis
- 12. Noise Level - ≤ 54 Db
- 13. Additional Features - Speed/RCF switch
 - Short-time run function
 - Sound-alert function
- 14. Acceleration /Braking time - 25 sec for both Acceleration and Braking
- 15. Dimensions - 388 x 580 x 324 mm
- 16. Weight - 30 kg
- 17. Permissible Ambient Temperature - 4 to 40° C
- 18. Permissible Relative Humidity - 80%

5. Micropipette Set

Specification :-

- 1. Rugged construction
- 2. Extremely smooth piston movement
- 3. Autoclavable Tip Ejector and Tip Holder
- 4. Easy to maintain
- 5. Individual factory calibration certificate with each PIPETTE.

6. Biosafety cabinet class 2A :-

Specification :-

- 1. 3 Protection Operator, sample and environment air flow system. 70 % air recirculation, 30% air exhaust.
- 2. Time Reverse function.
- 3. Hepa Filter Life
- 4. Automatic air speed adjustable with filter block.
- 5. Interlock function with UV lamp and front window UV lamp with blower .
- 6. Stand fitted with caster wheel for easy movability.

7. Parameter: Internal size WxDxH- 4x2x2
8. Prefilter – washable 99% down to 5 micron.
9. Hepa filter- class 5, 1 Hepa 99.99% efficiency at 0.3micron.
10. Control system manual.
11. LED Display with UV lamp working time , filter life & system working time.
12. Exhaust duck dynamically balanced with 0.25 Hp electric motor mounted on vibration pad.
13. Working zone S.S 304 outer body M.S. Power supply 220-240 VAC , 50 Hz

7. Vortexer :-

Specification :-

1. Voltage - 220-240V
2. Frequency - 50-60Hz
3. Speed Range - 0 – 2500 rpm
4. Shaking Movement - Orbital
5. Outer Diameter - 4mm
6. Speed Display - Analog Type
7. Run Type - Continuous/Touch operation
8. Dimensions - 127x130x160 mm
9. Weight - 3.5 kg
10. Power - 60W
11. Permissible ambient Temperature - 5-40° C
12. Permissible relative humidity - 80%
13. Protection Class - IP21

8. Spinner :-

Specification :-

1. Voltage - 220 – 240 V
2. Frequency - 50 - 60 Hz
3. Current - 3A
4. Max Speed - 15000 rpm (500-15000 rpm) with increment of 100 rpm
5. Max. RCF - 15100xg with increment of 100xg
6. Speed Accuracy - ± 20 rpm
7. Rotor Capacity - 0.2ml, 0.5ml, 1.5 ml & 2ml x 12 places
8. Run Time - 30sec-99min-HOLD (Continuous operation)

9. Driving Motor - Brushless DC motor
10. Safety Devices - Dual door interlock Over-speed detection Over temperature detection
Automatic internal diagnosis
11. Noise level - ≤ 54 dB
12. Additional Features - Speed/RCF switch Short-time run function Sound-alert function
13. Acceleration / Breaking time - 11 sec for Acceleration & 9 sec for Breaking
14. Dimensions - 255 x 245 x 140 mm
15. Weight - 6 kg
16. Permissible ambient temperature - 4 to 40°C
17. Permissible relative humidity - 80%

9. -20⁰C Deep Freezer :-

Specification :-

1. Capacity: 300Liters.
2. Temperature Range: up to -20 degree C.

10. -70⁰C Deep Freezer :-

Specification :-

1. Temp. Control - Micro Processor
2. Display - LED / LCD
3. Capacity in ltrs - 200
4. No. of Drawers - 3
5. Internal Body material - Stainless Steel AISI 304 GRADES
6. External Body Material - Powder Coated CRCA Steel
7. Power Failure Alarm - Audio Visual Alarm
8. Recommended time voltage correction - 6 KVA Servo Stabilizer
9. Electrical - 220- 240V , 50 Hz, Single Phase
10. Insulation - 120 mm minimum , CFC Free, Polyurthane Foam
11. Chart Recorder - Seven days Circular Chart Recorder

11. Laminar Air Flow :-

Specification :-

1. Work area cleanliness ISO 5Class 100orbetter.
2. Work chamber size W x D x H: 90 x 60 x 60 cm ± 1 cm tolerance.

3. External size W x D x H: 100 x 80 x 205 cm ± 3 cm tolerance.
4. Worktable made of 1.5 mm thick SS 304 sheet. No Deviation
5. Inner chamber made of SS 304. No Deviation
6. Outer body made of MS duly powder coated. No Deviation
7. SS 304 Arm Rest. No Deviation
8. Inner work area side walls and back walls made of single piece SS sheet with rounded corners to reduce contamination spot and for easy cleaning.
9. LED light for Illumination and UV germicidal light for disinfection.
10. Pre Filter 10micron and HEPA filter of 0.3 micron.
11. HEPA filter range up to 10 mm to 35 mm WC. No Deviation
12. Sash opening height indication upto 12" from table.
13. Gauge to monitor r pressured rop inside the unit.
14. ISO 9001, and CE certified. Test Certificate and document to be submitted at time of delivery - flow velocity, particle count test calibration report of gauge and operation

12. PCR Work Station :-

Specification :-

1. Voltage - 220-240V
2. Frequency - 50-60Hz
3. HEPA Filters - 2 Nos (10X10 cm)
4. Fluorescent Tube - 2 Nos
5. UV Tubes - 1 Nos
6. Pipet Holder - 1 Nos for standing 5 Micropipettes
7. Switches - At Side
8. Socket Inside - Yes; For Running Mini Equipment
9. Sliding Door - Yes, From Front Side
10. Cabinet - MS Powder coated with Stainless Steel working top
11. Working Area (L X H X D) - 600 X 500 X 450 mm

13. Water Bath :-

Specification :-

1. Dimension & Weight - Approx 35 Kg
2. Electricity - 220V/50Hz
3. Capacity of Water bath - 150 Liter
4. Temperature adjustable - 37⁰C -99⁰C

5. Temperature Accuracy - +/-0.10C
6. Digital P.I.D Microprocessor based Temperature control available
7. Stainless Steel electric heating coil as heating source
8. Timer range - 0 to 99
9. Digital Temperature Display available with our machine
10. One Stirrer with speed control will be provided with Water Bath
11. Safety Measure : Over Heat and water level control
12. One tap will be available with water Bath for easy draining the used water
13. Outer body made of MS with powder coated paint
14. Inner chamber made of SS304 which is mirror polished
15. Lid made of Metal
16. Insulation of Glass wool provided for unwanted temperature loss
17. One extra Stainless Steel Heating coil will be provided
18. Warranty for our Water Bath with Thermostatic control Three Years . Mishandling breakage, Fire accident, High Voltage input does not cover warranty.
19. Color and Model can be changed without prior

14. Auto Clave :-

Specification :-

1. Vertical autoclave wing nut stainless steel, autoclaves and sterilizers stainless steel body. Ring made Of aluminum casting. Lid made of aluminum casting with s.s. Plate.
2. Used for sterilization of surgical instruments and dressings
3. Electric autoclave fitted with heating element of 2 kw single phase 220 v / 50ã; hz
1. Rubber gasket. Max. Pressure 15 psi.
4. Equipment is 78 litre.
5. Equipped with safety pressure release, weight, and steam release/control valve.
6. Highly strong and durable vacuum and steam release valves.
7. Digital temperature controller for displaying the temperature.
8. Highly strong and durable vacuum and steam release valves.
9. Weight type safety valve and pressure regulating device for better safety and functioning.
10. Well designed epoxy coated outer stand.


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