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CORRIGENDUM-II

**Tender for rate contract and supply of Medical Devices/Consumables required for RTPCR
Lab installed at different Govt. Health Institutions of Bihar**

Notice Inviting Tender Ref No.: -BMSIC/MEDICAL DEVICES/CONSUMABLES/24-11

Dated: - 16-10-2024

(Only through E- Tender on website: -www.eproc2.bihar.gov.in)

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) invites E-Bids from the interested parties for “**Tender for rate contract and supply of Medical Devices/Consumables required for RTPCR Lab installed at different Govt. Health Institutions of Bihar**”, vide Notice Inviting Tender No.- **BMSIC/MEDICAL DEVICES/CONSUMABLES/24-11**. Detailed tender document containing eligibility criteria, selection mechanism, other terms and conditions are available on the website www.eproc2.bihar.gov.in.

After considering the suggestion/queries received from the prospective bidders & after due deliberation on all aspects, certain amendments have been made in the Annexure A of Annexure-I of the standard bid document in this Corrigendum-I.

**Sd/-
DGM (Drugs)
BMSICL**

Annexure-A

[1] SPECIFICATION OF CRYOVIALS

1. Polypropylene Colourless sterile tubes to store human or animal cell
2. Temperatures as low as -190°C to -196°C.
3. It should be RNase or Dnase free.
4. ISO certified.

[2] SPECIFICATION OF CRYOBOX

1. Box for storage of cryovials at -80°C
2. Solid polypropylene base with Clear polycarbonate cover for easy identification.
3. Temperature Range: -Withstand cryogenic storage conditions from -135 to 100 C Alphanumeric grid for easy sample identification
4. Withstand sterilization by autoclave, gas and disinfectant
5. Manufacturer should be ISO certified.

[3] SPECIFICATION OF SEROLOGICAL PIPETTE CONTROLLER (PIPETTE AID) 0.5-10µL

1. Suitable smooth setting of pumping efficiency with high aspirating speed (20-25 ml in 5 second).
2. One finger control for flow and blow out. Single hand operation, must have delivery mode (Gravity delivery blowout) and adjustable motor speed range with thumb.
3. Cordless work for minimum upto 5 hours. LED light battery indicator that alert before 2 hours. Short charging time for battery to full capacity and at least 8-10 hours working capacity.
4. Continuing directly after recharging. Autoclavable pipette adaptors and filter holders.
5. Space saving wall holder and calibration certificates from CE/ISO certified agencies.

[4] SPECIFICATION OF SEROLOGICAL PIPETTE CONTROLLER (PIPETTE AID) 10-20µl

1. Suitable smooth setting of pumping efficiency with high aspirating speed (20-25 ml in 5 second).
2. One finger control for flow and blow out. Single hand operation, must have delivery mode (Gravity delivery blowout) and adjustable motor speed range with thumb.
3. Cordless work for minimum upto 5 hours. LED light battery indicator that alert before 2 hours. Short charging time for battery to full capacity and at least 8-10 hours working capacity.
4. Continuing directly after recharging. Autoclavable pipette adaptors and filter holders.
5. Space saving wall holder and calibration certificates from CE/ISO certified agencies.

[5] SPECIFICATION OF SEROLOGICAL PIPETTE CONTROLLER (PIPETTE AID) 20-200µl

1. Suitable smooth setting of pumping efficiency with high aspirating speed (20-25 ml in 5 second).
2. One finger control for flow and blow out. Single hand operation, must have delivery mode (Gravity delivery blowout) and adjustable motor speed range with thumb.
3. Cordless work for minimum upto 5 hours. LED light battery indicator that alert before 2 hours. Short charging time for battery to full capacity and at least 8-10 hours working capacity.
4. Continuing directly after recharging. Autoclavable pipette adaptors and filter holders.
5. Space saving wall holder and calibration certificates from CE/ISO certified agencies.

[6] SPECIFICATION OF SEROLOGICAL PIPETTE CONTROLLER (PIPETTE AID) 100-1000µl

1. Suitable smooth setting of pumping efficiency with high aspirating speed (20-25 ml in 5 second).
2. One finger control for flow and blow out. Single hand operation, must have delivery mode (Gravity delivery blowout) and adjustable motor speed range with thumb.
3. Cordless work for minimum upto 5 hours. LED light battery indicator that alert before 2 hours. Short charging time for battery to full capacity and at least 8-10 hours working capacity.
4. Continuing directly after recharging. Autoclavable pipette adaptors and filter holders.
5. Space saving wall holder and calibration certificates from CE/ISO certified agencies.

[7] SPECIFICATION OF FORCEPS

1. Must be made of Graded stainless steel conforming to IS 410 & 420
2. ISO 7151 Certified

[8] SPECIFICATION OF DISCARDING JARS

1. Plastic Container Made of HDPE – SPI Resin ID code 2 with Biohazard Sign
2. Puncture, Leak & Tamper Proof
3. Conform to ASTM Standard D1922 and D1909 or IS 14995 :2001
4. Able to Withstand 135°C
5. Size- 5 litre

[9] SPECIFICATION OF BIOMEDICAL WASTE DISPOSAL (BMW) BAGS

1. Plastic Bags of HDPL, LLPE, DP (Biohazard, ISO Certificate & Hospital Name should be Printed) should be biodegradable not reused plastic, bags should be superior quality of thickness of 50 micron or more thickness, non-chlorinated plastic with ties for sealing.
2. Toxicity Test Certification approved by FDA.
3. Bags should be Autoclavable & Puncture proof.
4. Should not emit thick Black smoke in incinerator.
5. Should burn without leaving traces into ashes.
6. Produced by IS/ISO certified under 17088-2008 test complies Indian Standard.
7. Aerobic Biodegradation in presence of Municipal Sewage Sludge Certification.
8. Anaerobic Biodegradation land fill conditions & All climate Condition certification.
9. The firm should be registered under Pollution Control Board as biodegradable Manufacturer.
10. Sizes :- 14 x 18 inches/ 18 x 22 inches
11. Colour : Red, Black and Yellow.

[10] SPECIFICATION OF BIOMEDICAL WASTE DISPOSAL (BMW) BINS

1. Plastic bins LLDPE made from virgin polymer material. Thickness of bins shall be minimum 3mm (+/-0.2mm).
2. Foot operated lid and handle for lifting. Lid mechanism shall be of SS material only.
3. Able to Withstand 135°C
4. LLDPE bucket of Circular top with holding lid support stopper
5. Sizes: 10 litre/20litre
6. SS parts shall be smooth finished. Proper rubber studs shall be provided on the paddle and both ends of 20mm SS Square hollow pipe.
7. Lid of the bin shall be foot operated and SS bottom rod of foot operated mechanism
8. Bin shall be printed as per requirement of Bio Medical Waste Management Committee.
9. Dimensional accuracy ready to use.
10. Produced by an ISO 9001:2015 & 14001:2015 Certified unit.
11. Manufacturer should be CE certified
12. Demonstration of product during technical bid.

[11] SPECIFICATION OF ICEBOXES WITH GEL PACKS

1. The cool box should be durable construction, compact design and made from FDA approved grades of polyethylene material from food grade virgin double walled body with all round EPS/PUF filled insulation, inbuilt handle, heavy base, BIS marked. Excellent insulation maintains uniform temperature for storage & transportation.
2. Ice Box manufacturer conforming to BIS/ISO 9001:2015 or exporter of EPS/PUF insulated Ice Box having Coolant Packs (Ice – Gel-Packs).

3. Tight fittings to keep ice melting rate in line with the best in the world with rubber clamps for locking lid [to prevent corrosion].
4. Tapered inner bottom for maximum drainage with drainage plugs at bottom is preferable.
5. Lid with suitable gasket for better temperature retention.

[12] SPECIFICATION OF TUBE RACK (FOR 15 ML TUBES)

1. Easy storage and access of test tubes in vertical position for 18/48/72 tubes
2. Made of virgin polypropylene
3. Should be unbreakable, autoclavable and able to withstand subfreezing temperatures
4. Able to protect test tubes from minor shocks and damage during transportation.

[13] SPECIFICATION OF TUBE RACK (FOR 20 ML TUBES)

1. Easy storage and access of test tubes in vertical position for 18/48/72 tubes
2. Made of virgin polypropylene
3. Should be unbreakable, autoclavable and able to withstand subfreezing temperatures
4. Able to protect test tubes from minor shocks and damage during transportation.

[14] SPECIFICATION OF SPECIFICATION OF MARKER PEN

- 1) Permanent marker pen.
- 2) Colour : Black/blue
- 3) Precise, narrowed tip for extreme control (0.3 to 0.5mm)
- 4) Permanent on most surfaces, fade and water resistant.
- 5) Quick-drying ink with non-toxic formula
- 6) ISO Certified

[15] SPECIFICATION OF CELLO TAPE

1. High quality strong adhesive.
2. 40 microns transparent film
3. easily tearable by hands
4. 1/2 inch width size of tape
5. ISO Certified
6. Length : 60 meters

[16] SPECIFICATION OF PRINTER WITH LABEL MARKERS (FOR LABEL PRINT OUTS)

1. As per approved License

[17] SPECIFICATION OF MICROCENTRIFUGE TUBES (EPPENDORF TUBES) 1.7 ML

1. Clear and transparent tubes
2. FDA approved virgin polypropylene eliminating any trace of heavy metals
3. Leak proof seal for prevention against accidental spillage
4. Withstands temperatures from -80° to +121° C
5. Clear and large graduation on tube body
6. Choice of selecting low retention tube to increase recovery of the sample
7. Compatible with all standard and high capacity centrifuge rotors
8. Non cytotoxic & biologically inert
9. Options for regular white tube, assorted color tube and in amber color for light sensitive reagents

[18] SPECIFICATION OF MICROCENTRIFUGE TUBES RACK (EPPENDORF RACK)

1. Used for holding microtubes of 1.7ml capacity
2. Made of polypropylene, autoclavable
3. Withstand temperatures from 0° C to 135°C
4. Withstand sterilization by gas, autoclaving and disinfectant
5. Rigid container with mesh type gaps for holding 84 cryovials of 1.7ml capacity
6. ISO Certified

[19] SPECIFICATION OF MICROPIPETTE (100 µL -1000 µL)

1. Accuracy of 0.5%, CV 0.2%
2. Fully autoclavable
3. With calibration and accuracy certificate
4. ISO Certified
5. Easy to handle, grip and dispense and aspirate fluids.
6. Should not cause repeated stress injury to the user.

[20] SPECIFICATION OF FILTER BARRIER TIPS (200 µL)

1. Compatible with international standard pipettes attachable by firm grip.
2. Available in packs of 1000 tips
3. Non sticky in nature with Smooth internal surface
4. Tips should be sharp and pointed
5. Should be Less than 0.5% wastage due to any manufacturing defects
6. Should not be made of reused plastic
7. Manufacturer should be ISO certified

[21] SPECIFICATION OF FILTER BARRIER TIPS (1000 µL)

1. Compatible with international standard pipettes attachable by firm grip.
2. Available in packs of 1000 tips
3. Non sticky in nature with Smooth internal surface
4. Tips should be sharp and pointed
5. Should be Less than 0.5% wastage due to any manufacturing defects
6. Should not be made of reused plastic
7. Manufacturer should be ISO certified

[22] SPECIFICATION OF TISSUE ROLL

1. Tissue Roll white colour plain Paper of 1-2 mm thickness of GSM 50-80.
2. ISO 12625-1:2011 certified

[23] SPECIFICATION OF PCR TUBES/PCR PLATES (200 µL)

1. 96 wells, raised rims for effective sealing, individually wrapped, D Nase, R Nase, Pyrogen free.

[24] SPECIFICATION OF PCR PLATES ADHESIVE SEALS & PLATE SEALER

1. Peel adhesive should withstand Temp range -20°C to 120°
2. Should be Colour clear.

[25] SPECIFICATION OF MICROPIPETTE (0.5 µl -10 µl)

1. Accuracy of 0.5%, CV 0.2%
2. Fully autoclavable
3. With calibration and accuracy certificate
4. ISO Certified
5. Easy to handle, grip and dispense and aspirate fluids.
6. Should not cause repeated stress injury to the user.

[26] SPECIFICATION OF MICROPIPETTE (2 µl -20 µl)

1. Accuracy of 0.5%, CV 0.2%
2. Fully autoclavable
3. With calibration and accuracy certificate
4. ISO Certified
5. Easy to handle, grip and dispense and aspirate fluids.
6. Should not cause repeated stress injury to the user.

[27] SPECIFICATION OF MICROPIPETTE (20 µl -200 µl)

1. Accuracy of 0.5%, CV 0.2%
2. Fully autoclavable
3. With calibration and accuracy certificate
4. ISO Certified
5. Easy to handle, grip and dispense and aspirate fluids.
6. Should not cause repeated stress injury to the user.

[28] SPECIFICATION OF FILTER BARRIER TIPS (10 µL)

1. Compatible with international standard pipettes attachable by firm grip.
2. Available in packs of 1000 tips
3. Non sticky in nature with Smooth internal surface
4. Tips should be sharp and pointed
5. Should be Less than 0.5% wastage due to any manufacturing defects
6. Should not be made of reused plastic
7. Manufacturer should be ISO certified

[29] SPECIFICATION OF FILTER BARRIER TIPS (20 µL)

1. Compatible with international standard pipettes attachable by firm grip.
2. Available in packs of 1000 tips
3. Non sticky in nature with Smooth internal surface
4. Tips should be sharp and pointed
5. Should be Less than 0.5% wastage due to any manufacturing defects
6. Should not be made of reused plastic
7. ISO certified

[30] SPECIFICATION OF NULEASE (RNASE) FREE WATER FOR PCR

1. Clear and Colourless water.
2. Should be RNase & DNase free.
3. Should be in a pack of 100 ml
4. ISO/GMP certified

[31] SPECIFICATION OF RNASE P

1. As per approved License

**Sd/-
DGM (Drugs)
BMSICL**