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Agartala, dated

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Ref No.: F.No.02(Sub-II).AGMC/MICRO/MDRTB/2021

Sub: Invitation for submitting quotations for Chemicals, Glass goods and Plastic wares
Department of Microbiology, AGMC.

Sir,

Tenders in sealed cover with quoted price are hereby invited by the Principal Investigator, DBT Funded Project, Department of Microbiology, AGMC, Agartala, Tripura, from reputed manufacturers /Authorized distributors for Supplying of below mentioned items in Microbiology Department. Last date of tender submission is 02.11.2023 upto 4.00 pm.

Note: Supplier must have Trade license, PTC, and GST certificates.

Requirements

Sl. No	Name of Items	Technical Specification	Quantity
Group 1 - Chemicals, drugs, and disinfectants			
1.	Phenol crystals (Carbolic Acid)	Chemical name: Phenol, Chemical formula: C ₆ H ₅ OH, Mol. Wt: 94.11, Melting point: 40°C+2, purity: 99.5%	500 gm
2.	Sulphuric Acid	Chemical formula: H ₂ SO ₄ , Mol. Wt: 98.08, Specific Gravity 1.84 Minimum Assay: 98%	500 ml
3.	Sodium Hypochlorite	Chemical formula: NaClO, Concentration not less than 4%, Packaging -5 Liter/pack	5L
4.	Methylene Blue	Chemical name: Methylthionine chloride, Chemical formula: C ₁₆ H ₁₈ ClN ₃ S, Mol. Wt: 319.9, Dye Content: Approx. 82% (dye content must be mentioned)	25 gm
5.	Potassium Dichromate	Chemical formula: K ₂ Cr ₂ O ₇ , Mol. Wt: 294.2, Minimum assay: 99.5%	500 gm
6.	Basic fuchsin	Chemical name: Pararosaniline hydrochloride, Chemical formula: C ₂₀ H ₂₀ ClN ₃ , Mol. Wt: 337.86, Dye Content: Approx. 85%-88% (dye content must be mentioned), Colour: Metallic Green.	25 gm
7.	Sodium Hydroxide	Chemical formula: NaOH Mol. Wt: 40g/mol, Minimum Assay: 98%	500 gm
8.	Tri sodium citrate	Chemical name: Trisodium citrate dihydrate, AR Na ₃ C ₆ H ₅ O ₇ .2H ₂ O, Mol. Wt (FW): 294.10, Purity:	500 gm

		99%	
9.	Disodium hydrogen phosphate	Chemical formula: Na ₂ HPO ₄ , For buffer; anhydrous; Mol. Wt.: 141.96	500 gm
10	Potassium dihydrogen phosphate (anhydrous)	Chemical name: Potassium Di Hydrogen ortho Phosphate, Chemical formula: KH ₂ PO ₄ , Mol. Wt: 136.1, Minimum Assay 99%	500 gm
11	N-acetyl-L cystein	Chemical formula: C ₅ H ₉ NO ₃ S, Mol Wt: 163.2, Purity≥99%	25 gm
12	Magnesium sulphate	Chemical formula-MgSO ₄ .7H ₂ O; Mol Wt. 246.48; purity:99.5%,A.R. Grade	500 gm
13	Magnesium citrate (Tribasic)	Chemical formula-C ₁₂ H ₁₀ Mg ₃ O ₁₄ .9H ₂ O, Mol Wt: 613.28	100 gm
14	Asparagine	Chemical name-L-Asparagine monohydrate; Chemical formula-C ₄ H ₈ N ₂ .H ₂ O, Mol Wt:150.14	100 gm
15	Malachite Green	Chemical name: Malachite green Hydro Chloride, Chemical formula: C ₂₃ H ₂₅ ClN ₂ , Mol. Wt.-364.9, Colour: Green, Dye content: 80%+9% Solubility: both in water & alcohol, Stability: More than oneyear.	05 gm
16	Glycerol	Chemical formula: CH ₂ OHCHOHCH ₂ OH Mol Wt: 92.1; purity 99.5%, Reagent grade	100 ml
17	Sodium chloride	Chemical name: Sodium chloride, chemical formula : NaCl, Mol. Wt.: 58.44, Minimum assay:99.9%	500 gm
18	Brain Heart Infusion Agar	Dehydrated powder containing beef or pig heart as well as calf brain, a source of amino acids (often either digested gelatin or other animal tissue), salt, disodium phosphate as a buffer, and glucose as a source of sugar.	500 gm
19	Auramine O	Chemical formula-C ₁₇ H ₂₂ ClN ₃ , Mol Wt: 303.84	100 gm
20	Zinc Dust	Zinc dust, <10 μm, ≥98% purity, Mol. Wt.: 65.39	500 gm
21	Hydrochloric Acid	Chemical name- Concentrated Hydrochloric Acid, Chemical formula- HCl, Mol Wt:36.46, Specific Gravity 1.18	500 ml
Group 2 - Personal Protective Equipment (PPE)			
22.	Nitrile Gloves (Size-Small)	Powder-free, latex-free disposable gloves;size small, resistant to chemical risks and resistant to ethidium bromide or auramine staining; >0.3 mm thick appropriate for the laboratory staff (pack of 100 gloves per box)	1 packet
23.	Nitrile Gloves (Size-Medium)	Powder-free, latex-free disposable gloves; size medium, resistant to chemical risks and resistant to ethidium bromide or auramine staining; >0.3 mm thick; appropriate for the laboratory staff (pack of 100 gloves per box)	1 packet

24.	Nitrile Gloves (Size- Large)	Powder-free, latex-free disposable gloves; size large, resistant to chemical risks and resistant to ethidium bromide or auramine staining; >0.3 mm thick appropriate for the laboratory staff (pack of 100 gloves per box)	1 packet
25.	Respirators (N95 mask)	ISI marked respirators, universal size, less than 0.22 uM, individually packaged (preferably in boxes of 10 pieces each)	10 pieces
Group 3a - Pipettes Tips for phenotypic use			
26.	1-200 µl pipette tips	Sterile; made of PE; with filters; 96 tips per pack	1 packet
27.	20-200 µl pipette tips	Sterile, made of PE; with filters; 96 tips per pack	1 packet
28.	100-1000 µl pipette tips	Sterile, made of PE; with filters; 96 tips per pack	1 packet
29.	100-1000 µl pipette tips (Long tip)	Sterile, made of PE; with filters; long tip (+ 120 mm), 96 tips per pack	1 packet
Group 3b- Pipette Tips for molecular lab use			
30.	1-10 µl pipette tips	Sterile and free from DNase and RNase; made of PE; with compatible filters; 96 tips per pack	1 packet
31.	1-20 µl pipette tips	Sterile and free from DNase and RNase; made of PE; with compatible filters., 96 tips per pack	1 packet
32.	1-200 µl pipette tips	Sterile and free from DNase and RNase; made of PE; with compatible filters, 96 tips per pack	1 packet
33.	20-200 µl pipette tips	Sterile and free from DNase and RNase; made of PE; with compatible filters, 96 tips per pack	1 packet
34.	10-100 µl pipette tips	Sterile and free from DNase and RNase; made of PE; with compatible filters, 96 tips per pack	1 packet
35.	100-1000 µl pipette tips	Sterile, and free from DNase and RNase; made of PE; 96 tips per pack	1 packet
Group 4- Glasswares			
36.	Slides	Glass microscope slides; 76mm x 26mm x 1.3mm, plain, one pack of 50 slides.	1 packet
37.	Glass ware - Round flat bottom flask - 02 lit	02 Lt. Capacity.	1 piece
38.	Glass ware for stain preparation Measuring Cylinder - graduated 10 ml	Autoclavable & heat resistant, Graduated 10ml cylinder, with 1.0 ml graduation made of borosilicate glass	01 piece

39.	Glass stoppered bottles -250 ml	For stain preparation. Glass, autoclavable & heat resistant, 250ml capacity.	01 piece
40.	Container for stain-250ml Polyethylene	Staining bottle 250 ml, made of polyethylene, flasks with a narrow neck; with a screw cap, swan neck or jet dispenser	01 piece
41.	Flat Bottom Flask - 3 lit	Autoclavable and dry heat resistant, flat bottom, round flask, extended neck (not Conical flask)	01 piece
42.	Flat Bottom Flask - 1 lit	Autoclavable and dry heat resistant, flat bottom, round flask, extended neck (not Conical flask)	01 piece
43.	Pipette- Glass graduated -5ml	Autoclavable and dry heat resistant, graduated 1/20 (0.1ml graduation)	01 piece
44.	Pipette- Glass graduated - 10ml	Autoclavable and dry heat resistant, graduated 1/20 (0.1ml graduation)	01 piece
45.	Glass beads (3 mm)	Acid washed, 3mm size; for dispersing the clumps of micro-organisms by vortexing or blending in Mc Cartney/ flat bottom tubes of 15/50 ml), pack of 1 kg	01 packet
46.	Beaker- 1000 ml	Glass ,autoclavable & heat resistant ,with spout, capacity 1000ml with graduation	01 piece
47.	Funnels - 10cm diameter	Plain diameter: 10 cm; made of glass or polypropylene Autoclavable	01 piece
48.	1 lit Bottle - Amber colour	1.0 litre bottle, made of amber colour glass, Graduated, to include a ring and cap of Polypropylene; Autoclavable	01 piece
49.	2 lit Reagent Bottle	2.0 litre bottle, made of amber colour glass, Graduated, to include a ring and cap of Polypropylene; Autoclavable	01 piece
50.	1 lit Reagent Bottle	1 litre bottle, made of transparent colour glass, Graduated, to include a ring and cap of Polypropylene; Autoclavable	01 piece
51.	500ml Reagent Bottle	500ml bottle, made of transparent colour glass, Graduated, to include a ring and cap of Polypropylene; Autoclavable	01 piece
52.	250ml Reagent Bottle	250ml bottle, made of transparent colour glass, Graduated, to include a ring and cap of Polypropylene; Autoclavable	01 piece
Group 5- Disposable Items			
53.	50 ml Polypropylene (PP) tubes for centrifuge (Sterile)	Centrifuge tubes -50ml, made of polypropylene, conical shape bottom with tight screw cap, , walls thick enough to allow centrifugation (maximum RCF) up to 5000x g, solvent resistant, with white labeling area and black graduations, flat PE caps which can close with quick 3-4 turns, allowing one handed operation. Tubes should be radiation sterilised to ensure non-	01 packet (500Nos)

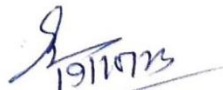
		cytotoxicity. Pack size of 25 tubes.	
54.	15 ml Polypropylene (PP) tubes for centrifuge (Sterile)	Centrifuge tubes- 15 ml, made of polypropylene, conical shape bottom with tight screw cap, , size 120x17 mm, . solvent resistant, should be able to withstand centrifugation (maximum RCF) up to 5000 x g, solvent resistant, with white labelling area and black graduations, flat PE caps which can close with quick 3-4 turns allowing one handed operation. Tubes should be radiation sterilized to ensure non-cytotoxicity. Pack size of 25 tubes	01 packet (500Nos)
55.	Micro-centrifuge	1.5 ml, screw cap (with O-ring), conical shape bottom micro-centrifuge tube for optimal pellet formation, better visualization of pellet and effective processing during DNA extraction procedure, made of PP with frosted marking area, sterile, stable at– 196°C to 121°C; should be able to withstand centrifugation (maximum RCF) of 20,000xg free from RNase, DNase, DNA and endotoxins, not-self-standing, packaging of preferably 25 tubes per pack	01 packet (1000Nos)
53.	Cryo-vial, sterile with cap, 1.8 ml (for long term storage)	Cryo-vials: Graduated; 1.8 ml; screw cap; vials round with an external thread; made of PP with a frosted marking area; vials sterile and able to be sterilized with γ -rays; stable at -196°C to 121°C ; free from RNase, DNase, DNA and endotoxins, self- standing, pack of 1000.	01 packet (1000Nos)
56.	Cryo vial storage boxes	Sturdy , water repellent , able to withstand -90°C , cryovial storage boxes with cover, made of poly propylene or cardboard material, 8X8 or 9x9 or 10x10 array box, compatible to store cryovials of 2 ml capacity, with numbered grid and dividers for easy identification of sample	01 box
57.	Cryotag	Cryo-tags sized to fit for use on cryo-vials (2 ml), made from smear resistant material, but should accept writing with all marking devices, rolls of 1000 pcs	01 roll
58.	Bags for waste bin- 2 Litres	<ul style="list-style-type: none"> • Material- Translucent disposable Plastic Bag (Biodegradable). HDPE/LLDPE/PP bags made from biodegradable, virgin, non-chlorinated polymer material, Autoclavable and thickness of sheet shall be minimum 55 micron. • Class, Sizes & Dimension-Volume: 2 Liter, approx. 200 mm width and 300mm length, Flat rectangular bag (for tolerance limits refer IS 9738 :2003) • Workmanship & Finish- Puncture proof-Acid and Alkali Resistant, Smooth surfaces free from defects such as foam, unevenness, crease, fish 	100 pieces

		<p>eye mixture of foreign matter, pin holes, finish of cut portions shall bear goodworkmanship.</p> <ul style="list-style-type: none"> • Requirements- Bags shall meet requirements under IS 9738: 2003 & droptest under IS 12395: 1988 • Material sheet used shall match all requirements under relevant IS code Bags shall be steam permissible and withstand autoclaving (a Temperature up to 135⁰ C). Packing & Packaging – Packet of 100 bags packed in outer poly bag, Ready to use. Carton containing number of packets of poly bags shall be of adequate strength to last till intended end use Carton shall also contain complete information over label viz., product name, produced by, Address. Date of Manufacturing, Expiry (18months from date of Mfg.), Size and BatchNumber. <p>The disposal should be in lines with the BMW Guidelines, 2016 and guidelines of CPCB amended from time to time</p>	
59.	Single-use paper towels	Single use paper towels, approx. 230x 300 mm folded to take as single piece off a wall mounted box, approx. 100 towels/ pack	1 Packet
60.	2 ml standard reaction tube	Micro-centrifuge Tubes of 2 ml with screw caps, made of PP, graduated, conical bottom, stable at - 196°C to +121°C, autoclavable, PP screw cap with silicone seal, with frosted marking, can withstand centrifugation to 20000g	100 pieces
61.	PCR tubes (0.2 ml)	Single use PCR tubes with attached caps, 0.2 ml, tubes to be compatible with leading thermal cyclers with heated lids, free from DNase and RNase, autoclavable	1000 pieces
62.	Disposable loops 10 µl	Disposable loops, 10µl , length approx. 220 mm, made of plastic, sterile, individually packed, packed in 25/50/100 piece per box	100 pieces
Group 6- General lab items			
63.	Diamond Marker pencil	6" holder with artificial diamond (hard stone) embedded at one end with screw cap to mark on microscope glass slides.	01 piece
64.	Filterpaper (for sputum microscopy agents)	Whatman's Filter paper No. 1, sheets of 57.5cms x 57.5cms	100 pieces
65.	Boxes for slides	For storing 100 Slides, Plastic storage boxes, approximate dimensions: 8.75" (22.2 cm) x 6.75"(17.15 cm) x 1.3"(3.3 cm)	01 box
66.	Rack for PP-tubes (15 ml	Made of PP, temperature resistant (-15° C to +130°C), for 17 mm Diameter tubes,	01 piece

	tube or Universal Test tube rack 17 mm diameter tube)	(dimensions: L250 mm x D105 mm x W70 mm, capacity of 60 tubes , autoclavable, high chemical resistant (at least to bleach, phenol and alcohol)	
67.	Sterile indicator tape, autoclave	Sterile indicator tape (roles), Self-adhesive approx.19mm broad and 55m long, for autoclave (beige/dark brown)	01 piece
68.	Sterile indicator tape, hot air oven	Sterile indicator tape (roles), Self-adhesive approx.19mm broad and 55m long, for hot air sterilization (green/brown)	01 piece
69.	Paper towel box	Wall mounted, refillable box for a capacity of at least 150 paper towels	01 box
70	Cotton	Non-absorbent	01 piece
71	Tissue Paper	Absorbent	01 piece
72	Slide try	Made from Aluminium	01 piece
73	Egg Mixture	Electric hand mixture egg beater machine, semi automatic, vol.: 220-240v, Power frequency: 50Hz, Chargeable.	01 piece
74	Aluminium foil	Good quality.	01 piece
75	Immersion oil	Density 20°/4°C; Viscosity 20°C.	01 piece
76	Spatula	Small and big size,	01 piece
77	Washing brush (small and big size)	Small and big size,	01 piece
78	Zip bag	12x15 cm	01 piece

Quotation should be addressed to:

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