No.F.2-1/2020-Admin-II[NCLB]
Government of Pakistan
National Control Laboratory for Biologicals
Drug Regulatory Authority of Pakistan
T.F. Complex, 7-Mauve Area, G-9/4, Islamabad.
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INVITATION TO BID

Drug Regulatory Authority of Pakistan (DRAP), an autonomous body of the Federal Government established under DRAP Act, 2012, invites sealed bids from eligible firms/ companies/ suppliers registered with the Income Tax and Sales Tax Departments and who are on Active Taxpayers List of the Federal Board of Revenue for supply of chemicals, glassware, equipment and reference standards for National Control Laboratory for Biologicals using single stage-two envelope bidding procedure under the Public Procurement Rules, 2004.

2. Bidding documents, containing detailed terms and conditions etc. are available at Public Procurement Regulatory Authority (PPRA)'s Online Portal e-Pak Acquisition and Disposal System (EPADS) as well as DRAP website i.e. www.dra.gov.pk for free download.

3. The bids, prepared in accordance with instructions in the bidding documents, may be uploaded through EPADS i.e. www.eporucre.gov.pk or printed bids may be submitted in the office of undersigned on or before 28th February 2024 at 11:00 AM. Bids will be opened the same day atleast 30 minutes after the closing time at Drug Regulatory Authority of Pakistan, T.F. Complex, G-9/4, Islamabad in the presence of representatives of bidders, if they chose to attend the proceedings. This advertisement is also available on PPRA website i.e. www.ppra.org.pk, PPRA Online Portal i.e. www.eprocure.gov.pk and DRAP website i.e. www.dra.gov.pk.

4. Both e-bids and printed bids, duly completed and signed/ stamped by the bidders, will be accepted.

(Rabnawaz Khan)
Assistant Director Admin-III
Ph.051-9107320

TENDER DOCUMENT

Supply of Lab Chemicals, Glassware, equipment and reference standards for National Control Laboratory for Biologicals (NCLB), Islamabad during the FY 2023-24

Drug Regulatory Authority of Pakistan (DRAP)

TF Complex, 7-Mauve Area, G-9/4, Islamabad

A. ELIGIBILITY CHECKLIST FOR BIDDERS

S. No.	Eligibility Evaluation Criteria	Requirement
1.	**Technical Proposal/ Application Form-I** containing detailed specifications of chemicals/reagents (indicating the make, grade & certificate of analysis, where applicable)	Mandatory
2.	**Financial Proposal/ Application Form-II** containing detailed specifications with units rates, quantity and total bid prices inclusive of taxes	Mandatory
3.	Registration with Tax Authorities/FBR(NTN & Sales Tax Registration Certificates	Mandatory
4.	Copy of CNIC in case of Sole Proprietor or Copy of Firm Registration/Partnership Dead in case of partnership firm or copy of Incorporation certificate in case of company.	Mandatory
5.	Affidavit /undertaking on judicial stamp paper that the firm has never been blacklisted by any organization / government.	Mandatory
6.	Earnest Money/Bid security in the amount of PKR 50,000/- in the shape of a bank draft/ pay order drawn in favor of Drug Regulatory Authority of Pakistan (original be provided at the time of bid opening).	Mandatory
7.	Minimum experience of 5 years in similar supplies (copies of experience certificates or work orders or contract agreements for 5 years be provided).	Mandatory
8.	Audited Statements of Accounts or Annual Tax Returns for the last three years of the firm.	Mandatory
9.	Certificate of Authorized Agent issued by the original manufacturer.	Mandatory
10.	Certificate of country of origin (Chemicals must be any of the following origins: Europe/America/Japan/Korea or equivalent)	Mandatory

B. Evaluation Criteria for bids and award of contract:

I. Technical Bids of the firms/ companies will be evaluated for 100% compliance to above eligibility criteria. Non-compliance with any of the given conditions and incomplete bids will result into rejection of bids/ proposals.

II. Financial bids of technically responsive bidders (those who fully comply with the eligibility criteria) will be opened on date & time to be communicated to the bidders in advance whereas financial proposals of technically non-responsive bidders will be rejected/ returned.

III. The most advantageous bid i.e. lowest tender price will be considered for award of contract/ purchase order.

C. INSTRUCTIONS TO BIDDERS/ GENERAL TERMS & CONDITIONS

01)	**SINGLE STAGE-TWO ENVELOPE BIDDING PROCEDURE** under rule 36(b) of Public Procurement Rules, 2004 shall be followed, which is summarized as under: • First envelope should contain Technical Proposal only and be clearly marked as **"TECHNICAL PROPOSAL"** including application form-I along with all supporting documents as mentioned in eligibility checklist other than financial proposal on application form-II and bid security. • Second envelope should contain **FINANCIAL PROPOSAL** (Application Form-II) along with Bid Security/ Earnest Money amounting to 2% of the total bid price in shape of pay order/Demand Draft (Refundable) drawn in favor of **Drug Regulatory Authority of Pakistan, Islamabad.** • Both envelopes should be sealed separately and placed in a Third Envelope duly marked/ labelled as Proposal for **"Supply of Lab Chemicals & Glassware etc. for NCLB during the FY 2023-24"**. The Name of bidder must be clearly written on all envelopes.
02)	Bidding documents can be downloaded from Public Procurement Regulatory Authority's Online Portal i.e. www.eprocure.gov.pk and DRAP website free of cost before closing date & time as mentioned in the tender notice.
03)	i. Tender/ Bids prepared in accordance with Public Procurement Rules, 2004 and the e-Procurement Regulation 2023 may be uploaded on Public Procurement Regulatory Authority's Online Portal i.e. www.eprocure.gov.pk or may be submitted in printed form, duly completed and signed/ stamped by the bidder company, so as to reach the office of undersigned by the closing date & time as mentioned in tender notice. ii. The technical proposal should be packaged in a single PDF file or envelope and Financial Proposal in another PDF file or envelope and both separately uploaded on the EPADS Portal or submitted manually as per procedure outlined in Public Procurement Rules, 2004 and the e-Pak Procurement Regulations, 2023. iii. In the first instance, the technical proposals will be opened in DRAP Office, T.F. Complex, G-9/4, Islamabad on date & time as mentioned in the tender notice, in the presence of representatives of bidders, if they chose to attend the proceedings. iv. After evaluation of technical bids, the financial proposals of technically responsive bidders will be opened on date & time to be communicated to

	such bidders in advance whereas financial proposals of technically non-responsive bidders will be returned unopened.
04)	The bids/ rates shall be valid for 90 days from the date of opening of bids. The bid validity period can be extended with mutual consent of bidder and procuring agency. In case a bidder does not agree to extend the bid validity period, his bid will not be considered anymore and remaining bids who have extended bid validity shall be taken into consideration for further process.
05)	The financial proposals/ rates must be submitted in typed form on application form-II on the letter head of applicant company/ firm duly signed/ stamped (offers on white paper without signature/ stamp will not be accepted).
06)	The Prices / Quotations of firms must be inclusive of service charges and all applicable taxes and duties.
07)	The bidders must attach in their technical proposal all such documents as may be required for ascertaining eligibility/ technical qualification of the company.
08)	There shall be no increase in prices on any count during the period of bid validity.
09)	Late, incomplete and/ or conditional bids will not be accepted.
10)	Prior to award of contract, the bidders shall be required to provide samples of items for inspection by the NCLB at NCLB, Chak Shehzad, Islamabad.
11)	DRAP reserves the right to reject any or all bids as per Rule 33 of Public Procurement Rules, 2004.
12)	The bidder shall clearly indicate the prices along with the Make/Grade/Brand & Country of Origin.
13)	**This Tender is also available at PPRA Website** www.ppra.org.pk, PPRA's Online Portal www.eprocure.gov.pk and DRAP Website www.dra.gov.pk.
14)	The order quantities can be increased/ decreased by the procuring agency as per requirement.

FORM-I

Letter of Application

(THIS FORM IS TO BE PROVIDED WITH THE TECHNICAL BID)

[Letterhead paper of the Applicant firm/ company including full postal address, telephone Nos. fax nos., telex nos., cable and e-mail address]

Date:.....

To: **The Assistant Director (Admin-III)**
Drug Regulatory Authority of Pakistan
T.F. Complex, 7-Mauve Area, G-9/4,
Islamabad.

Sirs,

1. Being duly authorized to represent and act on behalf of M/S ..... (hereinafter "the Applicant"), and having reviewed and fully understood all the information provided, the undersigned hereby submit this tender/ bid for **"Supply of Lab Chemicals, Glassware & Equipment etc. for National Control Laboratory for Biologicals (NCLB), Islamabad during the FY 2023-24",** which is strictly in accordance with the terms and conditions of tender document and fully in compliance with the specifications of items (statement of compliance to specifications is **given hereunder**).

2. Attached to this letter are copies of original documents defining:

   (a) Registration with Tax Authorities/ FBR (NTN & Sales Tax Registration Certificates

   (b) Copy of CNIC in case of Sole Proprietor or Copy of Firm Registration/Partnership Dead in case of partnership firm or copy of Incorporation certificate in case of company.

   (c) Affidavit /undertaking on judicial stamp paper that the firm has never been blacklisted by any organization / government.

   (d) Copies of experience certificates or work orders or contract agreements for 5 years.

   (e) Audited Statements of Accounts or Annual Tax Returns for the last three years of the firm.

   (f) Certificate of Authorized Agent issued by the original manufacturer.

   (g) Certificate of country of origin (Must be any of the following: Europe/America/Japan/Korea or equivalent)

   (h) Detailed specifications/ original literature of items including make, grade & certificate of analysis (where applicable)

3. Your Agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this application/ bid form. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves or the authorized representative to verify statements and information provided in this application, or with regard to the resources and competence of the Applicant.

4. Your Agency and its authorized representatives may contact the following persons for further information, if needed.

Owner(s)/ Chief Executive of the Business/ firm	
Name of Owner/ CEO:	**<u>Other Partners:</u>**
CNIC Number:	Name Partner 1: CNIC:
Phone Number:	Name Partner 2: CNIC: Name Partner 3: CNIC:

Technical Inquiries related to the bid/ tender	
Contact 1	Telephone 1
Contact 2	Telephone 2

5. This application is made with the full understanding that:

(a) bids by applicants will be subject to verification of all information submitted for qualification at the time of bidding;

(b) your Agency reserves the right to:

(i) amend the scope and quantity of any item/ service under this contract; and
(ii) Reject any bid of firms/ companies who did not apply for all the tender items/ services;
(iii) reject or accept any bid, cancel the bidding process, and

(c) your Agency shall not be liable for any such actions at Sr. No. 5 above and shall be under no obligation to inform the Applicant of the grounds for actions.

(d) your Agency shall not be liable for consequence of, and shall be under no obligation to inform the applicant of the grounds for, actions taken under para 5(b) hereabove.

6. We hereby submit the specifications of supplies/ item(s) as under, which fully comply with the required specifications of the procuring agency:

S.No.	Specifications Required		Detailed Specifications offered by the Bidder Company
	Item	**Description/ Specification requirements (URS)**	
1.	Ampoule Cutter	Ampoule cutter must be made of Stainless steel. Multi-size range from 0.5ml ampoule to 10ml ampoule is required.	
2.	Vial Decaper	Dual action two in one vial decaper (8mm & 11mm) made of stainless steel.	
3.	Vial Decaper	Dual action two in one vial decaper (13mm & 20mm) made of stainless steel.	
4.	Vial Decaper	Vial decaper (30mm) made of stainless steel.	
5.	Indicator Tape for Autoclave	Should be self-adhesive. Stickable on different surfaces (plastic, Metal, Paper etc.). Should be resistant to heat (above 121^{o}C) and moisture. Yellow Printed strip should turn to any other prominent color after sterilization.	
6.	Powder Free gloves (Rubber quality)	Medium Size of 8.5 to 9 inches is required. Minimum thickness 0.05 mm is required. Should be powder-free. Good quality of rubber is required.	
7.	Surgical Mask	Blue/ White color, Three Ply (must have filter paper inside) and ear elastic loop is required. Adult size is required. Should meet regulatory requirements (ASTM F2100, EN 14683). Should meet requirements of airborne particles and bacterial filtration. Should be fluid resistant.	

8.	Shoe cover (Plastic)	Should be disposable. Blue color is required. Medium/ Standard size or 370 x 165 mm is required. Should be rubber elastic. Should have ultrasonic slitting.	
9.	Syringes (1mL)	Should be non-toxic. Should be sterile and pyrogen-free. 30 Gauge (needle specs.) is required. Syringes should be auto-disable. Syringes should be leur locked.	
10.	Syringes (3mL)	Should be non-toxic. Gauge 23 (needle specs.) is required. Should be latex free. Syringes should be auto-disable. Should be sterile and pyrogen-free. Syringes should be leur locked. Measurement must be in milliliter.	
11.	Syringes (5mL)	Should be non-toxic. Gauge 23 (needle specs.) is required. Should be latex free. Syringes should be auto-disable. Should be sterile and pyrogen-free. Syringes should be leur locked. Measurement must be in milliliter.	
12.	Syringes (10mL)	Should be non-toxic. Gauge 21 (needle specs.) is required. Should be latex free. Syringes should be leur locked. Should be sterile and pyrogen-free. Measurement must be in milliliter.	
13.	Chloroxylenol (4.8% W/V)	Chloroxylenol 4.8% W/V	
14.	Rectified Spirit	More than 90% purity (v/v) is required. Should be clear and colorless solution.	
15.	Iso-propyl Alcohol (70% v/v)	Iso-propyl Alcohol (70% v/v).	
16.	PPE for sterility test (Autoclavable)	Blue in Color. Must be autoclavable (Extreme heat resistant). Should cover full body. Must be lint free.	

17.	Cover slip/ glass for microscopic glass slides	Size ranges (length & width) should be 18mm×18mm. Should be transparent and clear.	
18.	Test Tube For Bacterial Endotoxin Testing (BET)	Polystyrene disposable test tubes are required. Round bottom is required. Specifications of 10×75 mm or 12×75 mm are required. Should be sterile and Pyrogen free.	
19.	LAL Test Lysate (for Gel Clot method)	Lysate sensitivity of 0.125 or 0.25 is required. Should be sterile. Lysate in lyophilized form is required.	
20.	LAL Water	Endotoxin Free or <0.005 EU/ml is required.	
21.	Positive Control of Endotoxin (CSE)	Should be derived from Non-pathogenic strain. Should be in lyophilized form.	
22.	Filter Paper 0.22um for filtration assembly	Filter papers having 0.22 micrometer pore size and diameter of 47mm (4.7cm) are required. Should be heat resistant. Nylon membrane is required. Should be hydrophilic and sterile.	
23.	pH Buffer 4.0	pH 4.0 is required. Uncertainty value ±0.02 is required. Should comply with ISO: 17025/2017. Should prevent microbial growth. Should be stable at room temperature.	
24.	pH Buffer 7.0	pH 7.0 is required. Uncertainty value ±0.02 is required. Should comply with ISO: 17025/2017. Should prevent microbial growth. Should be stable at room temperature.	
25.	pH Buffer 10.0	pH 10.0 is required. Uncertainty value ±0.02 is required. Should comply with ISO: 17025/2017. Should prevent microbial growth. Should be stable at room temperature.	

26.	Butter paper for weighing balance	Should have high tensile strength. Should have non-deformation ability.	
27.	Aluminum foil	Should be alloy made. 0.006-0.2mm thickness is required. More than 07 meter and less than 10 meter length is required. 16 to 20 Inches width is required. Should be clean and shiny appearance. Should be heat resistant. Should have sharp cutting edge.	
28.	Gloves for Autoclave	Should have extreme heat resistant (>200^{o}C). To be used for autoclaving purposes. Medium/ Standard Size (For male) is required. Should be made of Cotton Terrycloth.	
29.	Osmometer sampler tips	Sampler tips for Osmometer Model No. 3320 are required.	
30.	Moister Anlayzer sampling Pan (for Loss on Drying (LoD)	Should be made of Light gauge aluminum. Should be oil –free.	
31.	Normal Saline	0.9% Sodium Chloride is required. Must be sterile and comply with Endotoxin limit.	
32.	Water for Injection (WFI)	Should have endotoxin limit <0.25EU/mL. Conductivity should be within range of 0.6–4.7 µS/cm. pH should be 5 – 7.	
33.	Karl Fischer Reagent	Complete set of Karl Fischer Reagent according to ISO:17025/2017 with calibration standard(s) is required.	
34.	Tetanus anti-toxin (Equine Origin) for LF Test	Should be Non-WHO Reference Material. Tetanus Antitoxin Equine for the Flocculation Test. NIBSC code: 66/021. Strength 1400 IU/ml.	

35.	Standard tetanus toxoid for LF test.	Tetanus Toxoid (Non-Adsorbed) is required. NIBSC code: 02/232. Should be Non-WHO Reference Material by NIBSC, UK.	
36.	Anti-Diphtheria Serum for flocculation test	Diphtheria Antitoxin for Flocculation Test is required. 4th British Reference Preparation (Est. 1963). NIBSC code: 63/007.	
37.	Standard diphtheria toxoid for LF test.	3rd IS for Diphtheria Toxoid for use in Flocculation Test is required. NIBSC code: 13/212.	
38.	10X Eagle's MEM (Minimum essential medium)	Storage Temperature is 2 to 8° C. Should be sterile. Should be mycoplasma tested. Should be animal Cell culture tested.	
39.	Fetal Bovine Serum	Should be heat inactivated. Should be sterile. Should be mycoplasma tested. Should be animal Cell culture tested. Storage Temperature is -20°C.	
40.	L-Glutamine	Strength 29.2 mg/ml is required. Molarity (200mM) is required. Should be sterile. Should be animal cell culture tested. Storage Temperature is -20°C.	
41.	Amphotericin-B	Strength 250 ug/mL is required. Should be in liquid form. Storage Temperature is -20°C. Should be sterile. Must comply with anti-fungal activity.	
42.	Penicillin-Streptomycin	Penicillin strength of 5000IU/ml and Streptomycin strength of 5000mg/ml are required. Should be in liquid form. Storage Temperature is -20°C. Must be sterile. Must comply with anti-bacterial activity.	
43.	Non-Essential Amino –Acids (100X) for MEM	Storage temperature is 2-8°C. Should be sterile. Must comply with physiological osmotic pressure and pH of media i.e., 6.8-7.2.	

44.	Phenol Red	0.5% solution is required. Should be sterile. Must be stored in room temperature.	
45.	Fungizone	Strength 250 ug/mL is required. Should be in liquid form. Should be Sterile. Should be animal Cell culture tested. Storage Temperature is -20°C.	
46.	Trypsin 1X	Strength 0.5g Porcine trypsin-0.2 g EDTA is required. Should be sterile. Should be animal Cell culture tested. Storage Temperature is -20°C.	
47.	Anti-Polio Antisera (Antibodies type 1)	Anti-polio Antisera for the potency test of oral polio vaccine on cell line is required. Anti-Poliovirus serum Type 1 along with glass ampoule cutter as given in brochure by NIBSC is required. NIBSC code: 66/202.	
48.	Anti-Polio Antisera (Antibodies type 2)	Anti-polio Antisera for the potency test of oral polio vaccine on cell line is required. Anti-Poliovirus serum Type 2 along with glass ampoule cutter as given in brochure by NIBSC is required. NIBSC code: 66/202.	
49.	Anti-Polio Antisera (Antibodies type 3)	Anti-polio Antisera for the potency test of oral polio vaccine on cell line is required. Anti-Poliovirus serum Type 3 along with glass ampoule cutter as given in brochure by NIBSC is required. NIBSC code: 66/202.	
50.	Sterile 96 wells flat-bottom Micro-titration plates for cell culture	Beads embedded wells to support cell culture adhesion and growth, are required. Flat bottom plates are required. 96 (8×12) wells in each micro titer plate are required. Plates along with lid/ cover are required.	

51.	HEPES (4-(2-Hydroxyethyl)-1-Piperazineethanesulphonic acid) Buffer	1M solution is required. Should be sterile.	
52.	Disposable Pipettes (1ml-5ml)	Pipette ranges of 1ml-5ml are required. Should be sterile and pyrogen free. Individual pipette should be available in single packaging.	
53.	Disposable Pipettes (1ml-10ml)	Pipette ranges of 1ml-10ml are required. Should be sterile and pyrogen free. Individual pipette should be available in single packaging.	
54.	Tissue Paper	Should be lint free. Size ranges (width) 09cm×18cm and length 14cm×25cm are required.	
55.	Trypan Blue	0.4% solution is required. Should be sterile.	
56.	Acetone (Lab Grade)	Should be clear and colorless liquid. ≥ 99 % purity is required Must meet the purity standards set by the American. Chemical Society (ACS).	
57.	Chloroform (Lab Grade)	Should be clear and colorless liquid. ≥ 99 % purity is required. Must meet the purity standards set by the American Chemical Society (ACS).	
58.	1-Pyridyl-2-Azonaphthol (PAN) Indicator (Lab Grade)	Should be insoluble in water. Fine powder is required. Must meet the purity standards set by the American Chemical Society (ACS).	
59.	Aluminum phosphate gel (Pure)	pH must be in range of 6-7. White color powder is required. Strength should be 2% (equivalent to 0.45-0.55% aluminum). Should be stable at room temperature. ≥ 80 % purity is required.	

60.	Absolute ethanol	≥ 99 % purity is required. Clear and colorless liquid is required. Must meet the purity standards set by the American Chemical Society (ACS).	
61.	Copper sulphate pentahydrate	Blue Crystal or Crystalline Powder is required. Must be soluble in water. ≥ 98 % purity is required. Must meet the purity standards set by the American Chemical Society (ACS).	
62.	Disodium Edetate	White Crystalline Powder is required. Must be soluble in water. ≥ 98 % purity is required. pH should be in range of 4- 6. Must meet the purity standards set by the American Chemical Society (ACS).	
63.	Burette	Length of burette should be equivalent to 50 ml filling capacity. 50ml filling capacity should be divided into 0.1ml equal divisions. Burette should be made of Type 1 grade borosilicate glass. Burette should have stopper. Size dimensions in range of 75cm (height) and15 mm (diameter) are required.	
64.	Burette Stand	Should be made of Metal. Length of stand must be equivalent to hold 50 ml burette.	
65.	Quartz cuvettes	Volume capacity of 3.5 ml is required. UV/VIS/NIR transmitting quartz cuvettes with stoppers are required. Cuvettes must have two clear windows/ sides. Size dimensions of 10mm (diameter) and 44mm (length) are required. Inside width and base thickness of cuvette should be of 9.5 mm and 1.5mm respectively.	

66.	Amber colored volumetric flask	Volume capacity of 200 ml is required. Flask should be made of amber color Type-1 borosilicate glass. Markings/ divisions should be Non-erasable. Flask must have polypropylene stopper.	

8. The undersigned declare that the statements made and the information provided in the duly completed application are complete, true, and correct in every detail.

Signed & Stamped
Name of Owner/ CEO
For and on behalf of (name of bidder company

FORM 2

[Letterhead of the Firm Containing Address, Phone Numbers]

Ref No: _____ NTN: _____

Date: _____ GST: _____

"Supply of Lab Chemicals & Glassware etc. for National Control Laboratory for Biologicals (NCLB), Islamabad during the FY 2023-24"

FINANCIAL BID FORM

S.No.	Item	Description/ Specifications/ URS	Approx. Qty.	Unit	Unit Price (Without GST)	GST Amount	Total Price (Price+GST)
1.	Ampoule Cutter	Ampoule cutter must be made of Stainless steel. Multi-size range from 0.5ml ampoule to 10ml ampoule is required.	05	Nos			
2.	Vial Decaper	Dual action two in one vial decaper (8mm & 11mm) made of stainless steel.	01	Nos			
3.	Vial Decaper	Dual action two in one vial decaper (13mm & 20mm) made of stainless steel.	01	Nos.			
4.	Vial Decaper	Vial decaper (30mm) made of stainless steel.	01	Nos.			
5.	Indicator Tape for Autoclave	Should be self-adhesive. Stickable on different surfaces (plastic, Metal, Paper etc.). Should be resistant to heat (above 121ºC) and moisture. Yellow Printed strip should turn to any other prominent color after sterilization.	02	Rolls			

6.	Powder Free gloves (Rubber quality)	Medium Size of 8.5 to 9 inches is required. Minimum thickness 0.05 mm is required. Should be powder-free. Good quality of rubber is required.	50 (50 pairs per box)	Boxes			
7.	Surgical Mask	Blue/ White color, Three Ply (must have filter paper inside) and ear elastic loop is required. Adult size is required. Should meet regulatory requirements (ASTM F2100, EN 14683). Should meet requirements of airborne particles and bacterial filtration. Should be fluid resistant.	50 (50 units per box)	Boxes			
8.	Shoe cover (Plastic)	Should be disposable. Blue color is required. Medium/ Standard size or 370 x 165 mm is required. Should be rubber elastic. Should have ultrasonic slitting.	1000	Pairs			
9.	Syringes (1mL)	Should be non-toxic. Should be sterile and pyrogen-free. 30 Gauge (needle specs.) is required. Syringes should be auto-disable. Syringes should be leur locked.	10 (Each box containing 100 Nos)	Boxes			

10.	Syringes (3mL)	Should be non-toxic. Gauge 23 (needle specs.) is required. Should be latex free. Syringes should be auto-disable. Should be sterile and pyrogen-free. Syringes should be leur locked. Measurement must be in milliliter.	10 (Each box containing 100 Nos)	Boxes			
11.	Syringes (5mL)	Should be non-toxic. Gauge 23 (needle specs.) is required. Should be latex free. Syringes should be auto-disable. Should be sterile and pyrogen-free. Syringes should be leur locked. Measurement must be in milliliter.	10 (Each box containing 100 Nos)	Boxes			
12.	Syringes (10mL)	Should be non-toxic. Gauge 21 (needle specs.) is required. Should be latex free. Syringes should be leur locked. Should be sterile and pyrogen-free. Measurement must be in milliliter.	02 (Each box of 100 units)	Boxes			
13.	Chloroxylenol (4.8% W/V)	Chloroxylenol 4.8% W/V	10	Liters			
14.	Rectified Spirit	More than 90% purity (v/v) is required. Should be clear and colorless solution.	50 (Container size should not be less than 10 liters).	Liters			

15.	Iso-propyl Alcohol (70% v/v)	Iso-propyl Alcohol (70% v/v).	50 (Container size should not be less than 10 liters).	Liters			
16.	PPE for sterility test (Autoclavable)	Blue in Color. Must be autoclavable (Extreme heat resistant). Should cover full body. Must be lint free.	10 (For medium size)	Units			
17.	PPE for sterility test (Autoclavable)	Blue in Color. Must be autoclavable (Extreme heat resistant). Should cover full body. Must be lint free.	10 (for large size.)	Units			
18.	Cover slip/ glass for microscopic glass slides	Size ranges (length & width) should be 18mm×18mm. Should be transparent and clear.	01 (Each box of 200 Pcs)	Box			
19.	Test Tube For Bacterial Endotoxin Testing (BET)	Polystyrene disposable test tubes are required. Round bottom is required. Specifications of 10×75 mm or 12×75 mm are required. Should be sterile and Pyrogen free.	2000	Units			
20.	LAL Test Lysate (for Gel Clot method)	Lysate sensitivity of 0.125 or 0.25 is required. Should be sterile. Lysate in lyophilized form is required.	10	Vials			
21.	LAL Water	Endotoxin Free or <0.005 EU/ml is required.	15 (Each bottle of 100ml)	Bottles			

22.	Positive Control of Endotoxin (CSE)	Should be derived from Non-pathogenic strain. Should be in lyophilized form.	05	Vials			
23.	Filter Paper 0.22um for filtration assembly	Filter papers having 0.22 micrometer pore size and diameter of 47mm (4.7cm) are required. Should be heat resistant. Nylon membrane is required. Should be hydrophilic and sterile.	01 (Each pack of 100 Nos)	Pack			
24.	pH Buffer 4.0	pH 4.0 is required. Uncertainty value ±0.02 is required. Should comply with ISO: 17025/2017. Should prevent microbial growth. Should be stable at room temperature.	01 (with 1000 ml contents).	Bottle			
25.	pH Buffer 7.0	pH 7.0 is required. Uncertainty value ±0.02 is required. Should comply with ISO: 17025/2017. Should prevent microbial growth. Should be stable at room temperature.	01 (with 1000ml contents).	Bottle			
26.	pH Buffer 10.0	pH 10.0 is required. Uncertainty value ±0.02 is required. Should comply with ISO: 17025/2017. Should prevent microbial growth. Should be stable at room temperature.	01 (with 1000ml contents).	Bottle			

27.	Butter paper for weighing balance	Should have high tensile strength. Should have non-deformation ability.	02 (Each packet of 100 Nos).	Packets			
28.	Aluminum foil	Should be alloy made. 0.006-0.2mm thickness is required. More than 07 meter and less than 10 meter length is required. 16 to 20 Inches width is required. Should be clean and shiny appearance. Should be heat resistant. Should have sharp cutting edge.	10	Rolls			
29.	Gloves for Autoclave	Should have extreme heat resistant (>200°C). To be used for autoclaving purposes. Medium/ Standard Size (For male) is required. Should be made of Cotton Terrycloth.	02	Pairs			
30.	Osmometer sampler tips	Sampler tips for Osmometer Model No. 3320 are required.	02 (Each box of 500 tips)	Boxes			
31.	Moister Anlayzer sampling Pan (for Loss on Drying (LoD)	Should be made of Light gauge aluminum. Should be oil –free.	02	Boxes			
32.	Normal Saline	0.9% Sodium Chloride is required. Must be sterile and comply with Endotoxin limit.	25 (Each ampoule of 25ml).	Ampoules			

33.	Water for Injection (WFI)	Should have endotoxin limit <0.25EU/mL. Conductivity should be within range of 0.6–4.7 µS/cm. pH should be 5 – 7.	100 (Each ampoule of 10ml).	Ampoules			
34.	Karl Fischer Reagent	Complete set of Karl Fischer Reagent according to ISO:17025/2017 with calibration standard(s) is required.	01	Set			
35.	Tetanus anti-toxin (Equine Origin) for LF Test	Should be Non-WHO Reference Material. Tetanus Antitoxin Equine for the Flocculation Test. NIBSC code: 66/021. Strength 1400 IU/ml.	10	Ampoules / Vials			
36.	Standard tetanus toxoid for LF test.	Tetanus Toxoid (Non-Adsorbed) is required. NIBSC code: 02/232. Should be Non-WHO Reference Material by NIBSC, UK.	05	Ampoules / Vials			
37.	Anti-Diphtheria Serum for flocculation test	Diphtheria Antitoxin for Flocculation Test is required. 4th British Reference Preparation (Est. 1963). NIBSC code: 63/007.	05	Ampoules / Vials			
38.	Standard diphtheria toxoid for LF test.	3rd IS for Diphtheria Toxoid for use in Flocculation Test is required. NIBSC code: 13/212.	05	Ampoules / Vials			
39.	10X Eagle's MEM (Minimum essential medium)	Storage Temperature is 2 to 8° C. Should be sterile. Should be mycoplasma tested. Should be animal Cell culture tested.	02 (Each bottle of 500ml)	Bottles			

40.	Fetal Bovine Serum	Should be heat inactivated. Should be sterile. Should be mycoplasma tested. Should be animal Cell culture tested. Storage Temperature is -20°C.	02 (Each bottle of 500ml)	Bottles			
41.	L-Glutamine	Strength 29.2 mg/ml is required. Molarity (200mM) is required. Should be sterile. Should be animal cell culture tested. Storage Temperature is -20°C.	02 (Each bottle of 200ml)	Bottles			
42.	Amphotericin-B	Strength 250 ug/mL is required. Should be in liquid form. Storage Temperature is -20°C. Should be sterile. Must comply with anti-fungal activity.	02 (Each bottle of 50ml)	Bottles			
43.	Penicillin-Streptomycin	Penicillin strength of 5000IU/ml and Streptomycin strength of 5000mg/ml are required. Should be in liquid form. Storage Temperature is -20°C. Must be sterile. Must comply with anti-bacterial activity.	02 (Each bottle of 50ml)	Bottles			
44.	Non-Essential Amino –Acids (100X) for MEM	Storage temperature is 2-8°C. Should be sterile. Must comply with physiological osmotic pressure and pH of media i.e., 6.8-7.2.	02 (Each bottle of 200ml)	Bottles			
45.	Phenol Red	0.5% solution is required. Should be sterile. Must be stored in room temperature.	02 (Each bottle of 100ml)	Bottles			

46.	Fungizone	Strength 250 ug/mL is required. Should be in liquid form. Should be Sterile. Should be animal Cell culture tested. Storage Temperature is -20ºC.	02 (Each bottle of 50ml)	Bottles			
47.	Trypsin 1X	Strength 0.5g Porcine trypsin-0.2 g EDTA is required. Should be sterile. Should be animal Cell culture tested. Storage Temperature is -20ºC.	02 (Each bottle of 200ml)	Bottles			
48.	Anti-Polio Antisera (Antibodies type 1)	Anti-polio Antisera for the potency test of oral polio vaccine on cell line is required. Anti-Poliovirus serum Type 1 along with glass ampoule cutter as given in brochure by NIBSC is required. NIBSC code: 66/202.	01	Ampoule/ Vial			
49.	Anti-Polio Antisera (Antibodies type 2)	Anti-polio Antisera for the potency test of oral polio vaccine on cell line is required. Anti-Poliovirus serum Type 2 along with glass ampoule cutter as given in brochure by NIBSC is required. NIBSC code: 66/202.	01	Ampoule/ Vial			
50.	Anti-Polio Antisera (Antibodies type 3)	Anti-polio Antisera for the potency test of oral polio vaccine on cell line is required. Anti-Poliovirus serum Type 3 along with glass ampoule cutter as given in brochure by NIBSC is required. NIBSC code: 66/202.	01	Ampoule/ Vial			

51.	Sterile 96 wells flat-bottom Micro-titration plates for cell culture	Beads embedded wells to support cell culture adhesion and growth, are required. Flat bottom plates are required. 96 (8×12) wells in each micro titer plate are required. Plates along with lid/ cover are required.	100	Plates			
52.	HEPES (4-(2-Hydroxyethyl) -1-Piperazineethanesulphonic acid) Buffer	1M solution is required. Should be sterile.	02 (Each bottle of 200ml)	Bottles			
53.	Disposable Pipettes (1ml-5ml)	Pipette ranges of 1ml-5ml are required. Should be sterile and pyrogen free. Individual pipette should be available in single packaging.	200	Units			
54.	Disposable Pipettes (1ml-10ml)	Pipette ranges of 1ml-10ml are required. Should be sterile and pyrogen free. Individual pipette should be available in single packaging.	100	Units			
55.	Tissue Paper	Should be lint free. Size ranges (width) 09cm×18cm and length 14cm×25cm are required.	10 (Each box of 250-350 pcs).	Boxes			
56.	Trypan Blue	0.4% solution is required. Should be sterile.	02 (Each bottle of 100ml)	Bottles			

57.	Acetone (Lab Grade)	Should be clear and colorless liquid. ≥ 99 % purity is required Must meet the purity standards set by the American. Chemical Society (ACS).	05 (Each bottle of 1000ml)	Bottles			
58.	Chloroform (Lab Grade)	Should be clear and colorless liquid. ≥ 99 % purity is required. Must meet the purity standards set by the American Chemical Society (ACS).	05 (Each bottle of 1000ml)	Bottles			
59.	1-Pyridyl-2-Azonaphthol (PAN) Indicator (Lab Grade)	Should be insoluble in water. Fine powder is required. Must meet the purity standards set by the American Chemical Society (ACS).	02 (Each bottle of 5 Grams)	Bottles			
60.	Aluminum phosphate gel (Pure)	pH must be in range of 6-7. White color powder is required. Strength should be 2% (equivalent to 0.45-0.55% aluminum). Should be stable at room temperature. ≥ 80 % purity is required.	05 (Each bottle of 100 Grams)	Bottles			
61.	Absolute ethanol	≥ 99 % purity is required. Clear and colorless liquid is required. Must meet the purity standards set by the American Chemical Society (ACS).	05 (Each bottle of 1000 mL)	Bottles			

62.	Copper sulphate pentahydrate	Blue Crystal or Crystalline Powder is required. Must be soluble in water. ≥ 98 % purity is required. Must meet the purity standards set by the American Chemical Society (ACS).	02 (Each bottle of 500 Grams)	Bottles			
63.	Disodium Edetate	White Crystalline Powder is required. Must be soluble in water. ≥ 98 % purity is required. pH should be in range of 4- 6. Must meet the purity standards set by the American Chemical Society (ACS).	02 (Each bottle of 500 Grams)	Bottles			
64.	Burette	Length of burette should be equivalent to 50 ml filling capacity. 50ml filling capacity should be divided into 0.1ml equal divisions. Burette should be made of Type 1 grade borosilicate glass. Burette should have stopper. Size dimensions in range of 75cm (height) and15 mm (diameter) are required.	06	Units			
65.	Burette Stand	Should be made of Metal. Length of stand must be equivalent to hold 50 ml burette.	03	Units			

66.	Quartz cuvettes	Volume capacity of 3.5 ml is required. UV/VIS/NIR transmitting quartz cuvettes with stoppers are required. Cuvettes must have two clear windows/ sides. Size dimensions of 10mm (diameter) and 44mm (length) are required. Inside width and base thickness of cuvette should be of 9.5 mm and 1.5mm respectively.	06	Units			
67.	Amber colored volumetric flask	Volume capacity of 200 ml is required. Flask should be made of amber color Type-1 borosilicate glass. Markings/ divisions should be Non-erasable. Flask must have polypropylene stopper.	12	Units			
Total Bid Price							
Total (In Words)							

Bid Valid as per given terms & conditions.

Signature: _____

Name: _____

Designation: _____

Official Stamp: