



Purchase Committee

GOVT. MEDICAL COLLEGE & ASSOCIATED HOSPITALS JAMMU

NOTICE INVITING TENDERS

Name of the Group	ESTABLISHMENT OF INTEGRATED READY-TO-USE BSL 2/3 PCR LAB SETUP FOR TESTING OF SWINE FLU H1N1 AND OTHER EPIDEMIC PRONE DISEASE PATHOGENS AT GOVT. MEDICAL COLLEGE, JAMMU ON TURNKEY BASIS
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During the year 2015-16

E-Tender Notice NO. 09 OF 2015

This Document Contains:-

- Notice Inviting Tenders
- SBD
- List of Items
- Detailed Specifications

PURCHASE COMMITTEE
GOVT. MEDICAL COLLEGE & ASSOCIATED HOSPITALS JAMMU

E-TENDER NOTICE 09 OF 2015

For and on behalf of the Governor of Jammu & Kashmir State, online tenders are invited from the **Original Manufactures / their dealers who are registered with Health & Medical Education Department** of J&K State, for establishment of integrated ready-to-use BSL 2/3 PCR lab setup for testing of swine flu H1N1 and other epidemic prone disease pathogens at Govt. Medical College, Jammu on turnkey basis as per detailed specifications given in the Tender documents for the year 2015-16.

S. No.	Particulars of the tenders	Cost of tender fee	Earnest Money	Date of Opening of Bid
01	Establishment of integrated ready-to-use BSL 2/3 PCR lab setup for testing of swine flu H1N1 and other epidemic prone disease pathogens at Govt. Medical College, Jammu on turnkey basis	Rs. 750/-	Rs. 50,000.00	08-04-2015 at 1100hrs

- The tender document for the above job can be seen on the website www.jktenders.gov.in from **14-03-2015 (1300 hrs.)**
- The tender documents can be downloaded from the above website from **14-03-2015 (1400hrs)** onwards.
- Pre-Bid meeting shall be held in the conference hall of the **Principal, GMC Jammu on 24-03-2015 at 1100 hrs**
- The bids shall be deposited in electronic format on website www.jktenders.gov.in from **25-03-2015 (1000 hrs) upto 07-04-2015 (1600hrs) only.**
- The uploaded bids on the website will be opened on **08-04-2015 (1200hrs)** in conference hall, Principal Govt. Medical College Jammu in presence of bidders who wish to attend. In case of holiday on the date of opening of bid, bids will be opened on the next working day at the same time and venue.
- Cost of tender document (in shape of DD) & earnest money (**in shape of CDR/FDR**) in original favouring **Member Secretary, Purchase Committee** Govt. Medical College & Associated Hospitals Jammu should reach in office of **Member Secretary Purchase Committee, Govt. Medical College Jammu** through speed post/Regd. Post/Courier before due time of submission of bid alongwith other documents. Rate Contract Committee shall not be responsible for any delay due to any reason.
- Original copy affidavit on Rs.50/- stamp paper duly attested by **1st Class Magistrate** with the effect that:-
 - The documents/catalogues alongwith authority letter etc enclosed with the Tender are genuine and have not been tampered or fabricated.
 - The firm has not been blacklisted in the past by any Govt./ Private institution of the country and there is no vigilance/any other investigating agency, case pending against the firm/supplier.
 - If any thing found wrong at any stage, I shall be responsible and deem to any legal action against me.

- Complete bidding process will be on line .(Price bid not to be submitted in physical form)

Sd/-

Chairman

Purchase Committee
Govt. Medical College & Associated
Hospitals, Jammu

No: GMC/PC/ 4019

Dated: 14-03-2015

Copy to the:-

- Commissioner Secretary to Govt. Health & Medical Education Department, Civil Secretariat, Jammu for information
- Principal, Government Medical College, Jammu for inf. and necessary action.
- Joint Director Information Department Jammu for publication of Tender Notice in at least two leading local papers preferably "Greater Kashmir" and "Daily-Excelsior" and two National Papers preferably "The Times of India" and "The Hindu". The cuttings may be sent to this office for confirmation.**

Sd/-

Member Secretary

Purchase Committee
Govt. Medical College & Associated
Hospitals, Jammu

Instruction to bidders regarding e-tendering process:-

1. The interested bidder can download the NIT/bidding document from the website <http://jktenders.gov.in>
2. To participate in bidding process, bidders have to get (DSC) "Digital Signature Certificate" as per Information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get above mentioned digital certificate from any approved vendors. The Bidders, who already possess valid (DSC) Digital Signature Certificates, need not to procure new Digital Signature Certificate.
3. The bidders have to submit their bids online in electronic format with Digital Signature. The bids cannot be uploaded without Digital Signature. No Proposal will be accepted in physical form.
4. Bids will be opened online as per time schedule mentioned in the NIT.
5. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
6. The department will not be responsible for delay in online submission of bids whatsoever reasons may be
7. All the required information for bid must be filled and submitted online
8. Bidders should get ready with the scanned copies of cost of documents & EMD as specified in the tender documents. The original instruments in respect of cost of documents, EMD and relevant documents be submitted to the Tender Inviting Authority by Registered post/courier as per time schedule specified.
9. The details of cost of documents, EMD specified in the tender documents should be the same, as submitted online (scanned copies) otherwise bid will not be accepted.
10. Bidders can contact the undersigned for any guidance for getting DSC or any other relevant details in respect of e-tendering process.
11. Bidders are advised to use "My Documents" area in their user on <http://jktenders.gov.in>, e-tendering portal to store important documents like Balance sheet, VAT Certificate, Sales Tax Clearance Certificate, IT certificate and other related documents etc., and attach these certificates as Non Statutory documents while submitting their bids.
12. To qualify for award of the contract, the prospective manufacturers should have a annual turnover for not less than Rs 15 crore.
13. Bidders are advised not to make any change in BOQ (Bill of Quantities) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the rate as per the Proforma provided and it should be saved with the same as it contains. **Complete description of rates should also be mentioned in the "Description of rates" provided in Cover -II**
14. Bidders are advised to scan their documents at 100 DPI (Dots per Inch) resolutions with Black and White, PDF Scan properly.
15. The guidelines for submission of bid online can be downloaded from the website <http://jktenders.gov.in>

INSTRUCTIONS FOR BIDDERS

1. The tenderer should be registered supplier of the Health and Medical Education Department.
2. Tenders to be submitted under two cover system

A) COVER 1st (Technical Cover)

1. Scanned copy of tender fees
2. Scanned copy of EMD.

CDR/FDR Format:

Received from M/s...ABC...pledged to the Member Secretary, Purchase Committee, Govt. Medical College, Jammu

3. Scanned Copy of an affidavit on Rs.50/- stamp paper duly attested by **1st Class Magistrate** with the effect that:-
 - a. The documents/catalogues alongwith authority letter etc enclosed with the Tender are genuine and have not been tampered or fabricated.
 - b. The firm has not been blacklisted in the past by any Govt./ Private institution of the country and there is no vigilance/any other investigating agency, case pending against the firm/supplier.
 - c. If any thing found wrong at any stage, I / we shall be responsible and deem to any legal action against me.
4. Scanned Copy of the **item wise technical specification compliance statement with detailed catalogues of the product as per Annexure "D"**.
6. Scanned Copy of **annual turnover of Rs. 15.00 crores** or more of the Principal/Original manufacturer on whose written authority the bidder submits tender, supported by balance sheet of the previous financial year.
7. Annexure "A1", "B1", "C1"

Scanned copies of below mentioned documents shall be attached from My Document area for bidders.

1. Sales Tax / VAT registration certificate
2. Latest "Sales Tax/VAT Clearance Certificate" issued by competent authority
3. Scanned Copies of Latest Certificates (ISO/CE/USFDA etc)(if any)

Original of below Mentioned Documents have to be submitted with the office of the Member Secretary Purchase Committee Medical College & Associated Hospitals, Jammu before last date of submission of tender.

- ii. Tender Fee and EMD
- iii. Affidavit
- iv. Copy of **annual turnover of Rs. 15.00 crores** or more of the Principal/Original manufacturer on whose written authority the bidder submits tender, supported by balance sheet of the previous financial year.
- v. Annexure "A1", "B1", "C1", "D1"

B) COVER 2nd: (Financial Cover)

1. Rates to be submitted by the bidders in the BOQ1 and BOQ2. **It is mandatory to fill both BOQs**
2. Detailed description of rates.

Financial bids (Price bid) of only those tenderers shall be opened who qualifies in Technical bids on the basis of Technical Evaluation report submitted by the experts of respective discipline.

TERMS & CONDITIONS OF TENDER

Tender Notice No: 09 of 2015

1. It will be the responsibility of the tenderer to attach the relevant documents/ **catalogues in Original**/ other supportive material with the tender failing which the tender shall be liable to be rejected.
2. It will be the responsibility of the tenderer to mention any special offers clearly in the technical bid only.
3. **It will be mandatory to provide detailed Description of rates in Cover 2. No representation shall be considered after opening of financial bids.**
4. **All the demanded equipments should have USFDA/ European CE certification besides others mentioned in the specifications.**
5. **It is desirable that only the manufacturers having completed at-least two such projects shall participate in the tender process. Performance report of the institute where the lab has been installed shall also be supplied with the technical bid**
6. Prices shall be quoted on turnkey basis for whole project in any freely convertible currency say Dollar, Euro, GBP or Yen. As regard price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed/undertaken in India. Commission for Agent, if any and if payable shall be indicated in the space provided in the price schedule. The prices for comparison (only) shall be taken as the prevailing rates on the day of opening of tenders.
7. Either of the sales tax (only one tax) shall be payable i.e. Central or State.
8. The Authority Letter of the Principal Manufacturer should be, insigned, addressed to the Member Secretary / Chairperson Purchase Committee, GMC Jammu and should bear date of issue, its validity, name of signing person etc.
9. In case of any authority found forged/tampered, the firm is likely to face legal action against them under rules including forfeiture of their earnest money.
10. The documents, asked in original should be page marked and bearing signature with seal on each and every page.
11. The rate quoted must be F.O.R. "Govt. Medical College & Associated Hospitals" Jammu.
12. The tenderer supplying indigenous goods or already imported goods shall quote in Indian Currency only.
13. Tender where prices are quoted in any other way shall be treated as non-responsive and rejected. *It will be mandatory on part of the tenderer to ensure that the rates quoted are not variable as are quoted in other Govt. Institutes of the country atleast during the current financial year. If at any stage it is found that the supplier has executed the supplies or has quoted the rates lower than the approved ones, the difference shall be recouped from the supplier and further orders shall be placed on lower rates only.*
14. The rates quoted should be inclusive of all taxes, duties, other charges like packing, forwarding etc. including entry tax, if any. No separate Tax/ Levies will be allowed. The rates should be quoted in accordance with the BOQ only online.
15. **Details of documents enclosed with the tender forms should be mentioned in Proper Index serial wise duly flagged on the front page of your tender as per Annexure "E".**
16. The document submitted by the firm with the tender will be opened in public in the presence of tenderers/representatives of the firms and the officers opening the tender will sign the tender documents.
17. The tenderer/ authorized representatives should point out to the Chairman/ Member Secretary, Purchase Committee, GMC, Jammu, embitterment, if any, before or during the Pre-bid meeting thereafter the tenderer/ authorized

representative will have no legal right to confer or to represent on one ground or the other.

18. No conditional tender shall be accepted. The committee reserves right to accept or reject any tender/ quotation without assigning any reasons thereof.

19. The approved firm shall be bound to complete the project within 8 weeks or a period mutually agreed upon by the authorities.

20. If the order is not completed before due date, the Chairman/Member Secretary, PURCHASE COMMITTEE/Head of the Departments of the respective institutions will have the right to impose penalty of the total cost of the supply order as under

- i) First extension for the month on part thereof : @ 2%
- ii) Second extension for an additional month : @ 5%

thereafter, no extension shall be granted and the item shall be purchased on the risk and cost of the supplier.

21. The successful tenderer shall be responsible for execution turnkey project in accordance with the contract in full and shall not in any case assign or sublet any part thereof. Deviation, if any can lead to forfeiture of Earnest money with holding of other deposits in Health and Medical Education Department as a whole or even black listing of the suppliers/ firms/ dealers/original manufacture.

22. If in case the tenderer fails to supply the material within the delivery period, the order will be liable to be treated cancelled and earnest money will be forfeited.

23. Rates should be quoted for the superior quality material only with Nomenclature/catalogue duly marked with seal & signature of the firms.

24. The Successful tenderer are bound to supply the material on the rates once quoted by them and once approved by the Purchase Committee. Any hike in tax on later stage will not be paid if not levied by the J&K Govt. However in the event of any revision in the existing rates of duties or introduction of any statutory duty and taxes imposed by the Government, the same will be paid extra on production of satisfactory documentary proof.

25. The approved supplier shall carefully examine the conditions, specifications, size, make and Catalogue/drawings etc. of the goods to be supplied wherever applicable. In case of any doubts, he shall before signing the contract refer to the Head of the institution/Officer-in-charge and get clarifications.

26. If at any stage during the tenure of the tender the successful tenderer reduces the sales price lower than the quoted rates under agreement will forthwith notify such reductions of the sale price to the undersigned immediately.

27. All terms and conditions of tender notice shall conform part of the supply order/agreement.

28. The successful tenderer shall have to abide by the standard terms and conditions as laid down in the J&K book of financial rules/ codes and the conditions as per the contract.

29. Each item / equipment quoted shall be **under warranty** of five years from the date of installation and its successful commissioning at required site. The details of Comprehensive Maintenance Contract (**including spares**) after the warranty period shall also be mentioned. Any condition mentioned against each item in the list of items in tender document shall also be the part of the terms & conditions.

30. The rates contract shall remain valid for a period of one year from the date of its issuance which can be extended for a period of 90 days or till such time the new rate contract is issued, whichever is earlier.

31. The successful tenderer should ensure immediate supplies if supply order is placed on to them and they are bound to supply material strictly as per the conditions approved by the Purchase Committee. If at any stage it is found that material supplied by the firms is not according to, as approved by the Purchase Committee, the ACTION AS DEEMED FIT WILL BE TAKEN AGAINST THE FIRM.
32. The experts may call for physical demonstration of the product, if they wish so. The tenderer(s) shall have to arrange the equipment as per the given time by the experts and for that no extra cost shall be paid by the department.
33. The successful tenderer shall have to execute an agreement in the prescribed form with the purchase officer concerned.
34. The Purchase Committee shall also be competent to alter/ modify the specifications of any item/ items for purchasing in the best interest of the Department during the process of finalization of a contract viz. Placement of supplier order.
35. All the stores supplied shall be of the best quality, specification, trade mark and in accordance with the approved standard, catalogue, samples if provided. In case of any articles supplied not being approved, shall be liable to be rejected or replaced and any expenses as a result of rejection or replacement of supplies, shall be entirely at the cost of tenderer.
36. The tenderer shall be responsible for the proper packing, so as to avoid damage under normal conditions of transport by rail, road or air and delivery of material in good condition to the consignee at the destination. In the event of any loss, damage, breakage, leakage or any shortage, the tenderer shall be liable to make good such loss and shortage found at the checking/ inspection/ verification of the materials by the consignee, no extra cost on such account shall be admissible.
37. In case of any dispute/ difference or doubts between the purchasing officer and the approved suppliers arises, the orders of the Chairman, Rate Contract Committee shall be final.
38. The supplies shall be accepted only in proper packing where-ever required in stores.
39. **Performance Security:** The approved supplier shall have to deposit 10% of the value of the supply order with the concerned Purchasing officer, duly pledged, in shape of Bank Guarantee valid two months beyond the warranty period
40. **Payment:-** 100% payment shall be made to the supplier after the receipt/ verification of materials, installation and successful commissioning of the equipment at the required site strictly as per supply order after obtaining 10% performance security in shape of bank guaranty, through endorsed bills/ bank drafts etc. and the bank charges on account of remittance shall be made good from the payee.
41. **Down Time:**
 1. The engineer for servicing of the equipment shall be deputed within 48 hours of report from the concerned authorities and for any spare part required, same shall be arranged by you/your principals at your cost and care.
 2. The equipment to be supplied under shall have to be guaranteed for **95% uptime** by the tenderer during the warranty period. The period during which the equipment remain non functional or unserviceable for want of engineer or non availability of spare parts shall not be counted towards the guarantee period and has to be extended accordingly by that period. (1 day down = 3day extended) besides the Purchasing Officers shall be at liberty to impose suitable penalty upto Rs.4000/- per day.

3. The original manufacturers, shall undertake that they will also remain responsible for after sale services for the supplies executed by the tenderer on their behalf.
42. No advance payment shall be authorized unless required under specific terms & conditions. Payment will be made only after the supply is made in the quantity ordered.
43. Any other condition that is not indicated here can be incorporated in the supply order or agreement before execution of a contract if need be.
44. Legal proceedings that may arise at any time shall be subject to the jurisdiction of J&K Courts at Jammu/Srinagar only.

Annexure "B1"
(TO BE TYPED ON A LETTER HEAD OF THE TENDERER)
UNDERTAKING

To

The Principal,
Govt. Medical College
& Associated Hospitals,
Jammu.

Subject: **Tender for e-nit No. 09 of2015**

Sir,

1. I/We hereby agree to abide by all terms and conditions laid down in tender document.
2. **We will be responsible for warranty of equipment for five years, from the date of successful installation.**
3. This is to certify that/We before signing this bid have read and fully understood all the terms and conditions and instructions contained therein and undertake myself/ourselves abide by the said terms and conditions.
4. I / we agree to abide by the tendered terms & conditions
5. I / we declare that our financial position is sound and we are competent to execute the supplies as & when allotted.
6. I/ we declare that we will not ask/ expect any financial assistance from the Govt. of Jammu & Kashmir State.
7. We will execute the supplies strictly in accordance with the approved specifications, if approved in our favour

(Signature of the Bidder)
Name and address of the Bidder

Annexure "C1"

(TO BE TYPED ON A LETTER HEAD OF THE PRINCIPAL MANUFACTURER)

UNDERTAKING

To

The Principal,
Govt. Medical College
& Associated Hospitals,
Jammu.

Subject: **Tender for e-nit No. 09 of 2015**

Sir,

This is in reference to your Tender Notice No: 09 of 2015. In this regard we have authorized the below mentioned Party to quote the above said tender on our behalf:-

M/S _____

Corresponding address _____

Contact person _____

Contact No. _____

Signature with seal

Name of the signing person _____

Designation _____

Contact No: _____

e-mail _____

Annexure "A"

(TO BE SUPPLIED BY THE PRINCIPAL MANUFACTURER
ON THEIR LETTER HEAD)

I _____

Do hereby solemnly affirm and declare as under:-

1. In case of any change of our local dealer/Agent, we will be fully responsible during the warranty period of the equipment as well as execution of Comprehensive Maintenance Contract after the expiry of the warranty period on the rates quoted by our dealer.
2. Spares of the quoted model shall be available atleast for a period of seven years after the expiry of warranty period.
3. The models quoted by our dealer, on our authority, are compliant with the tendered specifications and deviations, if any, are mentioned in "Remarks" Column in compliance sheet.
4. The product/ model number being quoted against the tender is currently undergoing production and have not been discontinued by us and
5. Our annual Turnover (2015-16) was _____.

Deponent should be the same person who has signed the Annexure "C"

Annexure "E"
CHECKLIST FOR THE TENDERERS

S. N O.	Particulars	Annexed at Page No. (in manual envelop)
1.	TENDER FEE	
2.	EMD.	
3.	Affidavit on Rs.50/- stamp paper duly attested by 1st Class Magistrate	
4.	Sales Tax / VAT registration certificate of the tenderer	
5.	Original Annexure "B1" UNDERTAKING (TO BE TYPED ON A LETTER HEAD OF THE TENDERER)	
6.	Latest Sales Tax/VAT Clearance Certificate issued by competent authority of the tenderer	
7.	Scanned Copy of the item wise technical specification compliance statement with detailed catalogues of the product as per Annexure "D1" .	
8.	Authority letter under proper seal and signature from the Manufacturer as per Annexure C1.	
9.	Copy of annual turnover of Rs. 15.00 crores or more	
10.	Copies of Latest Certificates (ISO/CE/USFDA etc)(if any)	
11.	Original Annexure "A1" To Be supplied by the Principal Manufacturer on letter Head	
12.	Original Annexure "C1" UNDERTAKING (TO BE TYPED ON A LETTER HEAD OF THE Principal manufacturer)	
13.	Quality Certificates like, USFDA, European CE, ISO, IEC etc..	
14.	Experience of having installed the Labs	

Part I: Diagnostic Equipment's

S. No.	Name of Equipment's	Qty
1	Real-time PCR detection system	01
2	Gradient PCR 96 well	01
3	High speed refrigerated centrifuge with rotors	01
4	Vortex	01
5	Deep Freezer -80 C	01
6	Deep freezer -20 C	01
7	Micropipettes set (Single & Multichannel) 2 Nos.	01
8	Laboratory Refrigerator	01

Part II: Diagnostic Kits & Consumables

S. No.	Name of Kits/Consumables	Details
1	Pandemic H1N1 2009 RT-PCR assay kits	1000 tets
2	Aerosol barrier tips- 1000ul	5 x 1000 Nos
3	Aerosol barrier tips- 200 ul	5 x 1000 Nos
4	Tube racks for micro centrifuge tube	5 Nos.
5	Sterile polypropylene conical (falcon) tubes 15 mL (Thermoscientific/Nunc)	1000 Nos.
6	Sterile polypropylene conical (falcon) tubes 50 mL (Thermoscientific/Nunc)	1000 Nos.
7	Powder free disposable gloves	200 pair
8	Shoe covers	200 pair
9	N-95 Masks	100 pc.
10	Triple layer masks	500 pc.
11	Isoprapnol (Molecular biology Grade)	5 Lts.

Part III: Bio-Safety Laboratory Level-2/3Laboratory Facility

Annexure "D1"

The Scope of work shall comprise establishment of integrated ready-to-use molecular diagnostic laboratory for testing of swine flu H1N1 and other epidemic prone disease pathogens as per laid down guidelines of CDC/NIH/WHO/Equivalent at Govt. Medical College, Jammu. Offers not conforming completely to laid down guidelines will not be considered. The project consists of three parts.

S. No.	Name of Equipment's	Detailed specification	Make and Model	Compliance in yes/ No	Page No. of technical bid where documents showing approvals as asked in specification /NIT are attached.	Remarks
1	Real-time PCR detection system	Open system (IVD approved) with a 96-well format as recommended by CDC/WHO for testing of swine flu H1N1 samples				
2	Gradient PCR 96 well	Open system with a 96-well format. Should be FDA or CE approved product 3. Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities. Attach original manufacturer's product catalogue and specification sheet. Photocopy/ computer print will not be				

		accepted. All technical data to be supported with original product data sheet. Please quote page number on compliance sheet as well as on technical bid corresponding to technical specifications.				
3	High speed refrigerated centrifuge with rotors	Bench top, compact, Refrigerated for 1.5ml / 2.0ml / 5.0ml tubes 2. Temperature setting: around minus 9 to plus 40oC. Speed Up to 15000 rpm 7. Rotor should include 24x1.5/2.0ml rotor and dual row 18x2.0/0.5ml rotor. Instrument should be CE Certified and also have IVD Conformity.				
4	Vortex	3- in-1 mixer to perform mixing of tubes (0.2ml, 0.5ml, 1.5ml, 2ml), plates (96 and 384 well SBS standard MTP, DWP and PCR Plates), and vortexing. Mixing speed ranging from 300-3000rpm. Instrument must have CE Certification.				
5	Deep Freezer - 80 C	Upright model, 400-500 Liters capacity. Freezer must use CFC-FREE, HCFC-FREE non flammable refrigerants, and refrigeration system must be energy efficient				

		and hermetically sealed two stage cascade refrigeration system. Compressor should be capable to run any voltage between 190 – 270V. Freezer must have ISO 9001 standard quality test requirements and IEC 61010 Electrical safety CE & UL certified.				
6	Deep freezer - 20 C	Upright model, 400-500 Liters capacity. Freezer must use CFC-FREE, HCFC-FREE non flammable refrigerants, and refrigeration system must be energy efficient and hermetically sealed two stage cascade refrigeration system. Compressor should be capable to run any voltage between 190 – 270V. Freezer must have ISO 9001 standard quality test requirements and IEC 61010 Electrical safety CE & UL certified.				
7	Micropipettes set (Single & Multichannel) 2 Nos.	Fully Autoclavable. Pipettes should be IVD and CE certified				
8	Laboratory Refrigerator	Double door 250 litres with stabilizer of appropriate rating				

Annexure "D1"

S. No.	Name of Kits/Consumables	Details	Make and Model	Compliance in yes/ No	Page No. of technical bid where documents showing approvals as asked in specification /NIT are attached.	Remarks
1	Pandemic H1N1 2009 RT-PCR assay kits	1000 tets				
2	Aerosol barrier tips- 1000ul	5 x 1000 Nos				
3	Aerosol barrier tips- 200 ul	5 x 1000 Nos				
4	Tube racks for micro centrifuge tube	5 Nos.				
5	Sterile polypropylene conical (falcon) tubes 15 mL (Thermoscientific/Nunc)	1000 Nos.				
6	Sterile polypropylene conical (falcon) tubes 50 mL (Thermoscientific/Nunc)	1000 Nos.				
7	Powder free disposable gloves	200 pair				
8	Shoe covers	200 pair				
9	N-95 Masks	100 pc.				
10	Triple layer masks	500 pc.				
11	Isoprapnol (Molecular biology Grade)	5 Lts.				

Annexure "D1"

Part III: Bio-Safety Laboratory Level-2/3 Laboratory Facility

Scope of Work:

This includes Design, Supply, Installation, Testing, and Commissioning (SITC) and Validation of Bio-Safety Laboratory Level-2/3 Laboratory Facility (Lab-In-Lab model) as per enclosed area layout (Annexure A) and internal layout (Annexure B). All the specifications of installation and commissioning must confirm to the criteria laid down by WHO/BMBL/NIH guide lines (Bio-safety manual-latest edition) and CDC/NIH of guide lines (Biosafety in micro biological organism in the work place & safety of workers and the environment should be given due consideration. Any other work related to civil/mechanical/electrical should be treated as a part of scope of the bidder.

S. No.	Detailed specifications	Make and Model	Compliance in yes/ No	Page No. of technical bid where documents showing approvals as asked in specification /NIT are attached.	Remarks
1.	Eye wash station				
2.	Clean room start-up, check and air and balance for negative pressure operation				
3.	Clean room facilities, electricity, lighting, SS tables, Bag in/ Bag out (BIBO) HEPA filter, ventilation system.				
4.	HEPA filters (99.99% @ micron) – 5 X supply & 4 X exhaust.				
5.	HVAC system including complete air management system for maintaining the lab environment as per the biosafety guidelines,				
6.	CCTV system monitors (2 cameras with display for central monitoring)				
7.	Access control devices				
8.	Shower and hand wash sink				

9.	Waste water/Effluent treatment system				
10.	Pass box-clean air				
11.	PVC flooring, clean room wall and ceiling or as per requirement				
12.	PLC control system and software				
13.	Bio-safety Cabinet Class II/Type B2, Size 6 ft. – 1 No.				
14.	Bio-safety Cabinet Class II/Type B2, Size 4 ft. – 1 No.				
15.	Digital Incubator - 1 No.				
16.	Double door autoclave – 1 No.				
17.	Operation manual (SOP)				
18.	Spares and consumables – one set				
19.	Design engineering, and cad construction drawing.				
20.	On-site field supervision with installation by local personnel along with validation certificate after commissioning.				
21.	The entire system should be able to function at 220-240 Volts.				
22.	All related internal lighting and wiring work with suitable Genset for 100% load and UPS (standby by 15 min.) for smooth and safe operation of the BSL-3 lab and installed equipments.				
23.	SS piping				