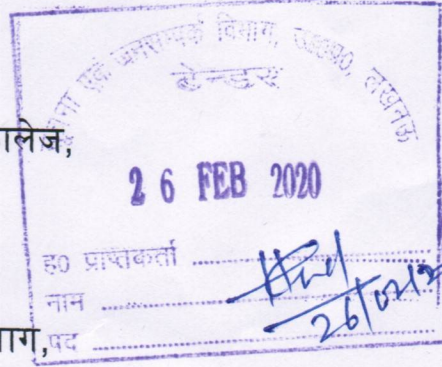


कार्यालय प्रधानाचार्य, बी० आर० डी० मेडिकल कालेज, गोरखपुर

संख्या 3833 /बीआरजी/एमसी/२०/ ई-निविदा

दिनांक :- 25/02/2020

प्रेषक,
प्रधानाचार्य,
बी० आर० डी० मेडिकल कालेज,
गोरखपुर,
सेवा में,
निदेशक,
सूचना एवं जन संपर्क विभाग,
प्रकाशन अनुभाग, लखनऊ,



विषय :- माइक्रोबायोलॉजी विभाग के अंतर्गत कोल्ड रूम निर्माण हेतु ई-निविदा की सूचना प्रकाशित कराने के संबंध में।

महोदय,

उर्पयुक्त विषयक ई-निविदासूचना प्रकाशन हेतु तत् सम्बन्धी प्रपत्र (हार्ड कॉपी एवं सॉफ्ट कापी) इस पत्र के साथ संलग्न कर राष्ट्रीय एवं स्थानीय स्तर पर दैनिक ख्याति प्राप्त समाचार पत्रों एवं हिंदुस्तान टाइम्स तथा टाइम्स ऑफ़ इण्डिया में प्रकाशन हेतु प्रेषित किया जा रहा है, अतः आप से अनुरोध है की इस ई-निविदा को यथाशीघ्र उपरोक्त समाचार पत्रों में राष्ट्रीय एवं स्थानीय स्तर पर प्रकाशित कराने की कृपा करे।

संलग्नक:-

- उपरोक्तानुसार 5 सेट
- CD सहित सॉफ्ट कापी

98
प्रधानाचार्य,
बी० आर० डी० मेडिकल कालेज,
गोरखपुर
प्रधानाचार्य
बी० आर० डी० मेडिकल कालेज
गोरखपुर

o/c
Me
25/02/2020
Head
Department of Microbiology
B.R.D. Medical College
Gorakhpur

OFFICE OF PRINCIPAL, B.R.D. MEDICAL COLLEGE, GORAKHPUR

Phone and Fax No. 0551-2501736
Tender Notice No./68 /Main/BRG/MC-20


website: www.brdmc.ac.in
Date: 25 February 2020

NOTICE INVITING E-TENDER

On the behalf of Govt. of Uttar Pradesh, e-tender are invited from highly experienced manufacturing firm (Indian/foreign) of reputed or their Indian agent/authorized distributor for supply, installation of WALK IN COLD ROOM require under SRL, Dept. of Microbiology, B.R.D. Medical College, Gorakhpur (UP)-273013.

S.No.	Name of Item	Unit/ Quantity	Earnest Money Deposit	Time Limit for Supply & Installation from the date of order	Downloadin g start date and time	Last date & Time of bid Submission	Date and time of technical Bid opening
1	Walk In Cold Room	1	40,000/-	20 days	4 March 2020 at 4:00pm	20 March 2020 up to 04:00 pm	21 March 2020 at 12:00pm

Detail of term conditions, procedure and technical specifications and document may also be downloaded from e-tender procurement portal i.e. <http://etender.up.nic.in> The E-tender notice also available on our Medical College website-www.brdmc.ac.in. Tender should be submitted on-line at the portal <http://etender.up.nic.in> only. The last date and time of bid submission is 20 March 2020 up to 04:00 PM. Number of quantities may be increased or decreased. Principal, B.R.D. Medical College, Gorakhpur reserves the right to cancel the bid for one or more items at any time without assigning any reason.


Principal
BRD Medical College,
Gorakhpur

Principal
B.R.D. Medical College
Gorakhpur

गयालय प्रधानाचार्य, बी० आर० डी० मेडिकल कालेज, गोरखपुर

फोन एवं फैक्स न०- 0551-2501736
सूचना संख्या-168 /मैन/विआरजी/एमसी-20


वेबसाइट: www.brdmc.ac.in
दिनांक : 25 फरवरी 2020

ई-निविदा सूचना

उत्तर प्रदेश सरकार की ओर से बी आर डी मेडिकल कालेज, गोरखपुर के एस०आर०एल०, माइक्रोबायोलॉजी विभाग के अंतर्गत निम्नलिखित उपकरणों की आपूर्ति एवं स्थापना हेतु उच्च गुणवत्तावाली अनुभवी ख्यातिलब्ध निर्माता फर्मों (भारतीय/विदेशी) अथवा उनके अधिकृत भारतीय वितरकों से ई-निविदा अमंत्रित की जाती है।

S.No.	Name of Item	Unit/ Quantity	Earnest Money Deposit	Time Limit for Supply & Installation from the date of order	Downloadin g start date and time	Last date & Time of bid Submission	Date and time of technical Bid opening
1	Walk In Cold Room	1	40,000/-	20 days	4 March 2020 at 4:00pm	20 March 2020 up to 04:00 pm	21 March 2020 at 12:00pm

ई-निविदा से संबंधित समस्त आवश्यक विवरण, सूचना एवं निविदा प्रपत्र उ०प्र० सरकार के ई-प्रोक्योरमेंट <http://etender.up.nic.in> पर देखा एवं डाउनलोड किया जा सकता है तथा ई-निविदा सूचना हमारे कालेज के वेबसाइट- www.brdmc.ac.in पर भी उपलब्ध रहेगी। ई-निविदा के सापेक्ष मैन्युअल निविदा स्वीकार नहीं की जाएगी। ई-निविदा प्रपत्र जमा करने की अंतिम तिथि 20 मार्च 2020, को अपराह्न 04:00 बजे तक है। क्रय की मात्रा घटायी या बढ़ायी जा सकती है। प्रधानाचार्य को बिना कारण बताए निविदा स्वीकार अथवा अस्वीकार करने का अधिकार होगा तथा इसी प्रकार इस निविदा सूचना में विज्ञापित उपकरण का क्रय स्थगित करने अथवा नहीं क्रय करने का अधिकार सुरक्षित रहेगा।


प्रधानाचार्य
बी०आर०डी० मेडिकल कालेज,
गोरखपुर

Principal
B.R.D. Medical College
Gorakhpur

Uttar Pradesh State Aids Control Society

State Reference Laboratory

Department of Microbiology

B.R.D. Medical College, Gorakhpur-273013 (U.P.)

Telephone No.- 0551-2501736, 2523427, 09452295894

E-Mail ID- brdmcgkp1969@gmail.com / srl.up.mcg@gmail.com

Tender Notice No.

TENDER DOCUMENT

“Supply and installation of WALK IN COLD ROOM at State Reference Laboratory (SRL), Department of Microbiology, B.R.D. Medical College Gorakhpur-207013 (U.P.)”

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SECTION I: NOTICE INVITING E-TENDERS
Uttar Pradesh State Aids Control Society

State Reference Laboratory

Department of Microbiology

B.R.D. Medical College, Gorakhpur-273013 (U.P.)

Telephone No.- 0551-2501736, 2523427, 09452295894

E-Mail ID- brdmcgkp1969@gmail.com / srl.up.mcg@gmail.com

E- Tender Notice No.

E-tender are invited from high quality manufacturing firm (Indian/foreign) of reputed or their Indian agent/ authorized distributors in two bid system (Technical +Financial bid) for SUPPLY AND INSTALLATION OF **WALK IN COLD ROOM**, required for State Reference Laboratory, in the Department of Microbiology, B.R.D. Medical College, Gorakhpur (UP)-273013.

S.No.	Name of Item	Unit/ Quantity	Earnest Money Deposit	Time Limit for Supply & Installation from the date of order	Downloadin g start date and time	Last date & Time of bid Submission	Date and time of technical Bid opening
1	Walk In Cold Room	1	40,000/-	20 days	4 March 2020 at 4:00pm	20 March 2020 up to 04:00 pm	21 March 2020 at 12:00pm

- Name & address of the officer inviting e-tender: **Principal, BRD Medical college, Gorakhpur-273013**
- Details of terms and conditions, procedures and technical specifications may also be downloaded from website of www.etender.up.nic.in and the price of document Rs. 1,000/- plus GST (total 1,180/-) in the form of demand draft from any nationalized bank in favor of **Principal, BRD Medical college, Gorakhpur -273013**, payable at may be submitted along with bid.
- Bidders should ensure that their tenders, must be completed in all respects in prescribed format and after successful uploading, hardcopies of e-bid must be submitted in due date.
- All tenders must be accompanied by EMD as mentioned against each item. Tenders without EMD and Draft towards the cost of Tender Document downloaded from website shall be rejected. In case the bidder is submitting bids for more than one item, the bid security will be submitted for the cumulative value.

Last date for submission of Bids: **20 March 2020 up to 04:00 pm.**

- Date & Time of Opening the bids: **21 March 2020 at 12:00pm** before purchase committee, in committee hall of **B.R.D. Medical College, Gorakhpur.**
- Principal, BRD Medical College, Gorakhpur** reserves the right to cancel the bid for one or more items at any time without assigning any reason.

Principal
BRD Medical College
Gorakhpur

SECTION II: INSTRUCTIONS TO BIDDERS

1.0 Introduction

- 1.1. HIV/AIDS laboratory in the Department of Clinical Research has been in the forefront providing high quality diagnostic and research support for various HIV, Blood bank and HIV/TB centers.
- 1.2. National Aids Control Organization is committed to provide quality diagnosis and treatment, free of cost, to all clients. An accredited laboratory for performing HIV test and has been participating successfully for many years in External Quality Assurance programs.
- 1.3. Government of India and Government of Uttar Pradesh have been in collaboration with NACO provided the required fund for the development of walk-in cold room to make the continuous supply of HIV kits feasible.
- 1.4 State reference laboratory in Department of Microbiology, BRD Medical College, Gorakhpur intends to start distribution of HIV kits under the supervision of Uttar Pradesh Aids Control Society, Lucknow.
- 1.5 This E- tender is for development and maintenance of walk-in cold room for uninterrupted functioning of laboratory.

2.0 General Instructions

- 2.1 E-tenders are invited, for one or more items, from highly experienced manufacturing firms and authorized dealers in the prescribed format for supply, installation and comprehensive annual maintenance of **WALK-IN COLD ROOM**.
- 2.2. The list of equipment's required, quantity and time limit for supply is given in Section V on page 11.
- 2.3. The supplier will provide 6 years warranty from the date of installation and commissioning that will include comprehensive annual maintenance contract (CAMC) including all spare parts and repairs.
- 2.4. The company has to state the warranty period specifically for the items supplied during which servicing and replacement of parts will not be chargeable.
- 2.5. The company should have an office/service provider in State of Uttar Pradesh. If does not exist, it has to give an undertaking that it will provide the services within 6 hours in case of breakdown. Failure to do so would lead to forfeiture of security money and legal liability as well.
- 2.6. The company has to install Walk in Cold Room in the Room No. 30-A, in front of HCTS/ICTC 1st floor, Nehru Hospital, B.R.D. Medical College, Gorakhpur. The rates quoted should be inclusive of all costs and taxes including transportation costs of taking the machine or parts to the specified site.

2.7. Earnest Money Deposit: Bidder is required to deposit EMD (refundable in case of not being selected) in the form of demand draft in favour of “**Principal, BRD Medical college, Gorakhpur -273013**“ of specified value as mentioned in Section V.

2.8. Typed bids received in prescribed format only will be evaluated. Bids received in any other format or hand written, will not be considered.

2.9. The installation commissioning is requiring complete in all respect. The supplier may be required to undertake minor civil work at site viz. minor repair, dismantling a wall etc.

2.10. *Deadline for Submission of Bids: E-bids received after this deadline, would not be entertained.*

2.11. E-bids received after this deadline, would not be entertained. All relevant papers/documents shall be sent to **Principal, BRD Medical College, Gorakhpur by speed post/courier on or before the closing date.** Bid will not be received directly by hand or courier and no receipt will be issued for the same.

2.12. **The Principal, BRD Medical College, Gorakhpur** will not be responsible for postal delay.

2.13. *Opening of Bids – 21 march 2020 at 12 pm before purchase committee in committee hall of BRD Medical College, Gorakhpur*

2.14. *Thereafter, opened bids shall be evaluated by empowered purchase committee.*

2.15 Financial bid of only those bidders will be opened in presence of bidder whose technical bid is found eligible by the purchase committee after verification of the document submitted. If there is any adverse report during verification, tender will be technically disqualified.

3.0 Award of Contract:

3.1 The purchaser will award the contract to the bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid.

3.2 The purchaser will award the contract to the bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid.

3.3 Notwithstanding the above, the purchaser reserves the right to accept or reject any bid and to cancel the bidding process and reject all bids at any time prior to the award of the contract.

3.4 The bidder whose bid is accepted will be notified of the award of the contract by the purchaser prior to the expiration of the bid validity period.

3.5 The list of qualified bidder will be uploaded on from website of www.etender.up.nic.in. The successful bidder will be communicated individually through Email and by registered post too.

3.6 The supplier shall provide Warranty and Comprehensive Maintenance Service as required.

4.0 Refund of Earnest Money Deposit:

4.1 The EMD submitted by unsuccessful bidders shall be returned to them without any interest whatsoever, within 30 to 60 days after conclusion of the contract with successful bidder. The EMD submitted by successful bidders shall be returned to them after the successful bidder deposits the performance security according to conditions stipulated in the bid document.

4.2 Validity period of bid: 7 days from the date of opening the tender

4.3 Performance security: 10% of the total contract value

4.4 Refund of Performance Security: If the supplier duly performs and completes the contract in all respect, performance security shall be returned the supplier without any interest within 30 to 60 days of completion of all such obligations under the contract.

4.5 Payment to successful bidder for supply and Installation of quoted item/items 90% payment would be made after certification of installation & functional status of the equipment's by **Head/In-Charge, SRL, Department of B.R.D. Medical College, Gorakhpur-273013.** Remaining 10% payment would be done after the end of the Warranty period (6 years) as applicable.

5.0 Jurisdiction of any dispute:

5.1 Any disputes are subject to exclusive jurisdiction of competent court and Forum in Gorakhpur, Uttar Pradesh, India only.

5.2 The contract shall be governed by the laws and procedures established by Govt. of India, within the frame work of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.

5.3 The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Gorakhpur. The decision of the Arbitrator shall be final and binding on both the party

5.4 Principal, BRD Medical College, Gorakhpur reserves the right to cancel or reject all or any bid/tender without assigning any reason.

6.0 Submission Requirements:

- 6.1** Bidding will be conducted through e-tendering system available on <https://etender.up.nic.in>
- 6.2** Bidder has to fill the prices only in the BOQ format downloaded with the Bid Document; the same shall be uploaded with the Bid on the e-procurement portal i.e. www.etender.up.nic.in . Bidder has to fill in cost break up detail in as per – Price bid and the same shall be uploaded on the e-procurement portal i.e. www.etender.up.nic.in along with their Bid.
- 6.3** The Bidder after purchasing the valid Digital Signature Certificate can only be able to download the Bidding documents and other related documents and upload online by verifying the Tender Number assigned for the procurement from <https://etender.up.nic.in>
- 6.4** Detailed Tender documents may be downloaded from e-Tender portal of Govt. of Uttar Pradesh i.e. <https://etender.up.nic.in> through valid digital signature certificate (DSC) prior to deadline of submission of bids. The bids shall be submitted online following the instructions appearing on the screen. Users/ Bidders are requested to map their system as per the system setting available on the Technology Act, 2000 and CVC guidelines.
- 6.5** After downloading / getting the tender document/ schedules, the bidder should go through them carefully and then submit the documents as asked; otherwise the bids will be rejected. It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidders are advised that prior to bid submission they should read the “Bidders Manual Kit” available on E -Tender portal of Govt. of UP (<https://etender.up.nic.in>)
- 6.6** The bidders who had downloaded the bid documents from the website shall submit the bid document through online before the schedule time of submission. Cost of the bidding document would be INR 1,000.00 + GST 18% (Rupees One Thousand Only + GST 18%) (Non - refundable) Bid Security Should be paid separately. The Bid Fee and Bid Security shall be submitted separately failing which bid will be rejected and will be treated as “Non responsive bid”
- 6.7** The bid will be valid for a period of 365 days from the date of opening of bid (Technical).
- 6.8** Bidders should upload their offer in two parts as under: -
- (a) Technical Bid (Part I) consisting of technical details, drawing/ catalogues, data sheets etc. All pre-installation requirement of the equipment should be highlighted and should be clearly spelled out. The technical bid should also contain Annexure A to K and L with other required documents with questionnaire or otherwise, but not the price bid.
 - (b) Price Bid (Part II) on prescribed BOQ format attached as uploaded with the tender document.

On the date of opening only Technical Bids (Part I) will be opened and Price Bids (Part II) BOQ will be opened only of those bidders which are technically qualified and meet purchaser's requirement and /or approved by the nomination committee of experts.

- 6.9** All the details asked for in the Annexure should be properly filled in and each page of offer should be stamped & signed by the bidder. Failure of attach Annexure as required may invalidate their bid
- 6.10** Price BOQ to be quoted in words as well as in figures. In case of any discrepancy or variation in between the figures and words is found, the offer in words shall be finally acceptable. Disagreement with this proviso shall be entail the bid as non-responsive and subsequently rejected.
- 6.11** Bids should be digitally signed by the competent person duly authorized by power of attorney vested upon the signing person with the proof of the same attached with the bid
- 6.12** Make, model and brand of equipment must be specified along the with the "Country of Origin". Manufacturer's name and address must be specified.
- 6.13** Tender should be submitted by the Bidders in prescribed format at and after successful uploading, necessary hardcopies/ originals of EMD FDR/DD must be submitted along with E-bid.
- 6.14** Incomplete bids uploaded after due date and not accompanied with the tender cost & earnest money deposit shall be rejected. Under e -procurement system tender submission fees and earnest money deposit will be through modes other than cash /DD/MO/Cheque. Electronic mode of payments as defined in the tender notice will be applicable
- 6.15** The goods shall be delivered to **Room No. 30-A, in front of HCTS/ICTC 1st floor, Nehru Hospital, B.R.D. Medical College, Gorakhpur -273013.**The price quoted should be inclusive of all the expenses to the point of delivery including installation, commissioning, demonstration, trial of the equipment and training to a least two persons on operation and maintenance of equipment.

SECTION III: ELIGIBILITY CRITERIA

1. The bidder must be the manufacturer or an authorized agent/dealer of the manufacturer for similar line of product offered in the bid for not less than three years as on the date of closure of tender.
2. The supplier company must have supplied, installed and commissioned cold rooms/commercial deep freezer in the last three years.
3. The supplier will provide 6 years warranty from the date of installation and commissioning that will include comprehensive annual maintenance contract (CAMC) including all spare parts and repairs.
4. The supplier should have ISO 9001 certification.
5. The minimum turnover must be Rupees One Crore or above per year for the last three years.
6. OEM Authorization Certificate

SECTION IV: TECHNICAL SPECIFICATIONS

S.R.	Minimum Technical Specifications	Description	
A	Refrigeration System		
1	Refrigeration Unit Type	Air cooled Split Type	
2	No of Refrigeration Unit	2 Nos. (One 100% working & One 100% standby.)	
3	Condenser Type	Air cooled Type	
4	Condenser	Aluminum Fin & Copper Tube Type	
5	Compressor Type	Hermetic Scroll	
6	Cooling Capacity	Size (L×W×H) in Ft.	Cooling Capacity (BTU/Hr.) (min.)
		14 × 08 × 8.5	18,000
	Cooling Capacity based on	-2°C Evaporating Temperature & 50° Condensing Temperature The unit shall be capable of operating continuously in ambient Temperature of 5° to 45°C and relative humidity of 95%.	
7	Refrigerant	R 22a	
8	Defrosting Method	Air Defrost / Electric Heater	
9	Power supply	440 V, 50 Hz, 3 Phase	
10	Control Panel	<ul style="list-style-type: none"> ● It contains MCB , ● Digital display with temperature setting , ● Contactor for compressor , ● Preventer for single phasing. ● Overload protector ● Microprocessor based digital temperature indicator with Controller. ● Alarm for high & low temperature ● Auto changeover for the refrigeration system which allows alternate use of refrigeration system when system is in break down 	
B	Cold Room Size and Construction		
1	Cold Room Outer Size (ft.)	As per requirement of particular site, as under. The actual size at site may vary by ±10%.	
		Category	Size (L×W×H) in Ft.
		G	14 × 08 × 8.5
2	Cold Room Temperature	2°C to 8°C	
3	Panel Construction	<p>Prefabricated sandwich panels with cam toggle-type fastener fitted & self-locking PVC gaskets fitted on all sides of Wall, Ceiling, and Floor Panels. L shaped separate corner fitted with cam toggle-type fastener. All Panels fit together by cam toggle-type fastener Panels</p> <p>With Ribs on both side panel surface materials to increase the strength. Wall, ceiling & floor all get together by the mentioned arrangements. Wall panel having Only Cam Toggle-Type fastener fitting, No Flashings and Riveting on Panel.</p>	
4	Panel Thickness	Minimum 80mm. PUF (Poly Urethane Foam). Density 40± 2 kg / m3 & PUF blowing agent-141B (CFC free)	

5	Panel Surface Material	Minimum 80mm. PUF Panel with Both side PPGI of 0.7mm thickness
6	Floor Insulation	Minimum 80mm PUF Panel with outer side 0.7mm PPGI & Inner side marine Ply of 9mm thickness & Aluminum Chequered plate of 2mm.
7	Manual Swing Door	Flush type swing Door with Heavy duty Hinges & Handle with Closer foe Push type Gasket for easy operation for Long life. With esthetic look. Without heater, thermally sealed doors, with internal safety release. With lock & key. Easy opening & closing of the door. PVC flush type door with reputed accessories. Door to be lockable with 100% fail safe provision for opening from inside. Door shall have an incandescent vapor proof light mounted on the interior of the door section Opening Size: 3'×6'. 1 No. (as per requirement of particular site)
8	Extra Accessories	LED Light (4 Nos). With door switch with bulb & bulk heads & appropriate accessories (like sealant, & related).
9	Pressure Relief port	Pressure relief port without heater to balance the pressure within the room & the surrounding to eliminate the deformation of the room due to pressure difference.
10	Kick Plate	Kick plate is on both side of the Door to protect the door during material handling.
11	Safety release Knob	Safety release Knob with buzzer placed at the inner side of the door for safety precautions.
12	Shelving	Stainless steel fully adjustable racks for Stacking or Storage fitted on all Walls up to 6 ft. height. Each Rack size (Approx.):- 1200(W) × 600(D) × 2000(H) mm. The material of the shelves should be non-corrosive 316 grade stainless steel to take load of at least 0.075kg/cm ² .ISO 9001 certification)
13	Data Logger & Display	<ul style="list-style-type: none"> ● Display: LED ● Output Module: Relay Alarm output (Max, 8 output), RS-485, RS-232 and USB Port (CFR 21) ● Record time: Flexible setting interval time: 1s, 2s, 3s, 4s, 3600s ● Power-of Protection Time O/P: The setting parameters and history data can be kept by FLASH MEMORY, Memorized forever if power off Hardware clock built in still accuracy running. ● Calibration certificate of Data longer at the time of supply (Every 6 month)
14	Servo Stabilizer (15KVA)	15 KVA Servo Controlled Voltage Stabilizer with 3-phase input and 3-phase output, indoor type, suitable for unbalanced loads and unbalanced input conditions. Independent voltage sensing and regulation in each phase. Input regulation voltage: 415± 1%. Auto restart with adjustable time delay. With Low Cut – High Cut outside the range, 3 digit 7-segment display to indicate input and output voltage.

15	Generator (DG Set) 10 KVA	A	Description of Function and Use: The DG Set shall be used to provide power back-up to walk-in-cold Room. It should be automatically switched ON as soon as there is grid power failure and swathed OFF as soon as the grid power is returned back. The capacity of the DG set should be 10 KVA scope of supply shall include supply. Installation commissioning and testing of the complete DG set at the consignee locations including minor civil work.
		B	Detailed Specification for alternator, diesel engine and Automatic Mains Failure (AMF) control panels:
		B1	Alternator
		(a)	The alternator shall be self-excited and self-regulated of specified KVA rating in single phase at 240 Volt 50 Hz 1500 RPM and 0.8 power factors (PF) and shall conform to IS 13364 (Part 1) 1992 (reaffirmed 2003). The alternators shall be of brush less type with VG-! Grade or better grade of voltage regulation.
		(b)	The alternator shall be screen-protected dnp proof with Minimum IP-21 degree of protection as per IS 4691/85 (reaffirmed 2004). The class of insulation of the Alternator would be 'H'. The rated voltage of Alternator will be 240V.
		B2	Diesel Engine (Naturally Aspirated):
		(a)	Diesel Engine shall be air or water cooled as specified electric start developing required B.H.P. at 1500 RPM with class A-2 Governing or better for alternator to drive specified continuous KVA output at 0.8 lagging of at NTP conditions (all rating shall be tested at 0.8 PF lag). The Diesel Engine should be capable of providing 10% overload for one hour for every 11 hours continuous running at full load.
		(b)	Naturally aspirated engine shall be ISI MARKED as per IS 10001/1981(reaffirmed 2006).
		(c)	The specification fuel consumption of engine shall be as per IS specification.
		(d)	The Diesel Engine shall be complete with the following accessories.
		(i)	Fuel tank with capacity for 12 hours continuous running at full load.
		(ii)	Engine instrument Panel consisting of starting switch with Key. Lube Oil temperature and pressure gauges. (Water temperature gauge in case of water cooled engine), RPM indicator and hour meter.
		(iii)	Safety control to shut down the engine in the event of low lube oil pressure or high cylinder head temperature in case of air-cooled engines.

		(iv)	Radiators in case of water-cooled engine
		(v)	Exhaust silencer of Residential type
		(vi)	12V starting system complete with starter motor charging alternator and Cut-out
		(vii)	Lead Acid battery or semi maintenance free battery of suitable rating with connecting cables and the battery/ies shall conform to relevant IS specification. The batteries of inly following make shall be accepted Exide, TUDOR, Amco, Amaron, Amar Raja, Tata Green, Cummins pulse lite, Standard Furukawa, Prestolite.
		(viii)	Standards set of tools required for service and maintenance of the DG set shall be provided to the consignees along with each DG set. The set of tools shall consist of the following <ul style="list-style-type: none"> • Set of 3 spanners • One screw drivers • One standard plier and • One nose plier of appropriate
		B3	AMF Control Panel
		(a)	Automatic mains failure (AMF) control panel shall start up the DG set and take the load in case of the mains failure without requiring any human intervention.
		(b)	Similarly on return of mains supply, the AMF control unit shall transfer the load back to mains supply and switch off the DG set automatically.
		(c)	The AMF panel shall be an enclosure with the IP-53 degree of protection confirming to IS/IEC 60947(Pt-1)/2007, fabricated from minimum 105 mm thick steel sheet duly pre-treated and aesthetically finished.
		(d)	The AMF Control Panel shall have the following components:
		(i)	Microprocessor based relay with composite meter for digital display/components: <ul style="list-style-type: none"> • Generator voltage/AC Mains voltage. • Generator Current. • Power Factor • Three attempts engine start/engine cranking relay • On-delay timer for load change over • On-delay timer for engine shut off • Over current relay
		(ii)	Mode selector switch for setting the panel on any position such as off or auto or manual or test
		(iii)	Engine On-Off switch (Push button type)
		(iv)	MCCB of suitable rating shall be provided
		(v)	Rectangular aluminum bus bars (one number for each phase, neutral and Earthling terminal) of adequate rating duly colour coded with heat shrinkable PVC sleeves.

	(vi)	Two contactor of suitable rating (one for DG set & one for AC mains) with over load relay.
	(vii)	Under-Voltage relay for mains
	(viii)	Battery charger complete with voltage regulator, float or booster selector switch, on-off switch, voltmeter and ammeter for charging the battery from mains. (This will be in addition to the battery charging alternator fitted on the engine)
	(ix)	Instrument & Control Fuses
	(x)	Five number indicating lamps to indicate 'mains ON', 'load on mains', 'set running', 'load on set and 'battery charger on'
	(xi)	Audio visual alarm for: <ul style="list-style-type: none"> • Low lubricating oil pressure • High water temperature • High cylinder head temperature (For air cooled) start failure and DG over load
	(xii)	Any other switch, instrument, relay or contactor etc. essential for smooth and trouble free functioning of DG set with AMF panel. (To be specified by the bidder in there offer with complete details of the item)
	C	Type Test Certificate (TTC)
	(a)	Supplier shall furnish complete & satisfaction Type Test Certificate (TTC) issued by recognized Government Lab for engines, alternator complete with enclosure to be used by them for the DG set clearly indicating make, model and ratings of the DG sets tested at time pre-dispatch inspection.
	(b)	Type Test Certificate issued by (a) recognized Government Lab or (2) by BIS or (3) by DQA (on basis of test conducted at manufacturer's lab in presence of DAQ officers) shall only be accepted.
	D	Necessary gauge/meters shall be fitted to indicate: <ul style="list-style-type: none"> • Then quantity of fuel left in the tank, and • Hours of DG set operation.
	E	Acoustic Enclosure DG sets shall be provided with integrated acoustic enclosure which shall conform to norms of Central Pollution Control Board (CPCB). The acoustic enclosure offered shall conform to the drawings types approved by government lab, for conformity to noise norms. This aspect shall also be verified at the time of pre-dispatch inspection.
	F	DG sets shall meet the requirement of Environmental (Protection) Rules 1986 as laid down by Min. of Environment & Forest read with GDR371(E) dated 17/05/2002. GSR 520(E) dated 01/07/2003 and No. 448(E) dated 12/07/2004 in respect of noise and emission norms DG set shall also meet all other statutory

		requirements as notified by Govt. from time to time.
		<p>G Supplier shall furnish following document issued by a govt. authorized agency at the time of pre-dispatch inspection.</p> <ul style="list-style-type: none"> • Type approval certificate (TAC) for emission norms for each model/family of engine. • TAC From for Noise level norms for the DG set • COP for DG set and engine used in DG set
		<p>H Documentation to be provided at the time of delivery:</p> <ul style="list-style-type: none"> • User's manual • Service Manual • List of minimum spares • Installation instruction
		<p>I Warranty: The supplier will provide 6 Years warranty that will include comprehensive Annual maintenance Contract (CAMC) including all spare parts and repairs. Cables, canopy, cage with lock & key facility and proper connection to cold-room including auto change-over device.</p>
		<p>J Onsite Comprehensive Training The bidder should provide onsite comprehensive training of lab staff on operation of equipment, support services till service satisfaction.</p>
16	Installation & Commissioning work	The installation commissioning is requiring complete in all respect. The supplier may be required to undertake minor civil work at site viz. minor repair, dismantling a wall etc.
17	Manufacturer Certification	Manufacturer should have ISO 9001 certification.
18	Warranty	The supplier will provide 6 year warranty from the date of installation and commissioning that will include comprehensive Annual Maintenance Contract (CAMC) including all spare parts and repairs.
19	Site Certification	Installation Qualification (IQ), Operational Qualification (OQ) & Performance Qualification (PQ) at site in original.
20	Onsite Comprehensive Training	The bidder should provide onsite comprehensive training of lab staff on operation of equipment, support service till service satisfaction.
21	Others requirements	<ol style="list-style-type: none"> 1. Wall Mounted fan high Flo Wave - 400MM (ISI)-2 pcs 2. Office Almirah (ISI)- (5 Shelves, Stainless Steel, 6.5ft x 3.5ft x 1.5ft, 2 Door)-1pcs 3. Round/Hydraulic chair (ISI)-1 pc 4. Office table(ISI)- (5x3 ft) with drawers-1pc 5. Shelf (Metal Slotted Angle Rack, (ISI)- (72 x 30 x 18) Feet with 6 Shelves/Plate) -1 pc 6. Branded 4Pic. HD CCTV Camera (Night Vision Camera) with 8 channel Wi-Fi DVR, 1 TB HDD, 14" monitor, installation and min. 2 year Guaranty.

SECTION V : SCHEDULE OF REQUIREMENTS

S.No.	Name of Item	Unit/ Quantity	Earnest Money Deposit	Time Limit for Supply & Installation from the date of order	Downloadin g start date and time	Last date & Time of bid Submission	Date and time of technical Bid opening
1	Walk In Cold Room	1	40,000/-	20 days	4 March 2020 at 4:00pm	20 March 2020 up to 04:00 pm	21 March 2020 at 12:00pm

Appendix- A
Manufacturer's Authorization Letter
(To be submitted in case of the bidder is an **authorized agent**)

To

<Insert designation and address of tender issuing authority>

Ref. Your TE document No., dated

Dear Sir,

We, are the manufacturers of

..... (name of equipment(s) having factories at

1. Messrs. (name and address of the agent) are our authorized agents for sale and service of {name of equipment(s)}.
2. We confirm that no supplier or firm or individual other than Messrs (Name of the above agent) is authorized to submit a tender, and enter into a contract with for the above goods manufactured by us.
3. We also extend our full guarantee / warranty and also full back-up support for AMC/CMC as required by the purchaser.

Yours Faithfully

.....

.....
(Signature with date, name and designation)

For and on behalf of Messrs.

.....
(Name & address of the manufacturers)

Note:-

1. This letter should be on the letterhead of the manufacturer and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached along with the technical bid.

Appendix-‘B’**STATEMENT REGARDING DEVIATIONS FROM TECHNICAL SPECIFICATIONS**

Following are the Technical deviations and variations from the purchaser’s Technical Specifications and schedule of Requirements.

S.R.	Item	Statement of Deviations/Variations

Signature of the Bidder

Name:

Date:

Place:

Address:

Company Seal: