

**BENGAL CHEMICALS & PHARMACEUTICALS LTD.****(A GOVT. OF INDIA ENTERPRISE)****Centralized Purchase Dept.: 6, Ganesh Chunder Avenue, Kolkata 700 013****PHONE 033 22371525/26****Website: www.bengalchemicals.co.in**

E-Tender under single stage two part system (Part I: Techno-Commercial Bid and Part II: Price Bid) is invited from Competent/Experienced/Authorized Contractor/Service provider for **“Supply, Installation and Commissioning of Ductable Air conditioning units at Non- Beta Block & New QC Block of Maniktala Unit”**, Starting with immediate basis from ordering & to be completed within 60 days from initiation of work at our 164, **Maniktala Works (Kolkata-700054)**. Bidders will have to participate in bidding process through **website <https://bcpl.ewizard.in>**

SCHEDULE OF TENDER (SOT)

Tender No & Date	BCPL/2026-27/ET/35, Dated: 27.07.2026
Mode of Tender	E - Procurement System (Online - Commercial Bid through) https://bcpl.ewizard.in of ITI Ltd. The intending bidders are required to submit their offer Electronically through e-tendering portal. No physical tender is acceptable.
Date & Time of NIT Available to parties to download	27th July ,2026 from 14:00 Hrs.
Last date and Time to participate	18th August,2026 till 14:00 Hrs.
Evaluation Start time and date	18th August,2026 @ 14:30 Hrs.
Transaction Fees	Min Rs 500/- to Max Rs. 3,500/- +Applicable GST
Earnest Money cum Security Deposit	Rs 108,000/- in favor of “Bengal Chemicals & Pharmaceuticals Limited”, Payable at Kolkata vide NEFT/RTGS to A/c No 0084250200198 IFS Code: PUNB0008420 Bank: Punjab National Bank Branch: Calcutta (Kolkata), West Bengal:700001
Last Date & Time for Submission Transaction fees	18th August,2026 till 14:00 Hrs

List of Annexure:

Important Instructions for e-tender: -
General Terms and Conditions: -
Scope of Work: -
Notice Inviting Tender & Others: -
PRICE BID: -

Annexure – A.
Annexure – B.
Annexure – C.
Annexure – D.
Annexure - E.



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Annexure-A

Important Instructions for E-Tender

Bidders are requested to read the terms and conditions of this tender before submitting your online tender.

Process of E-Tender:

A) Registration: The process involves vendor's registration with ITI e-procurement portal which is **free of cost**. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical (if) Bid as well as Commercial Bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. ITI is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE TECHNICAL BID (if) AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT

[https:// bcpl.ewizard.in](https://bcpl.ewizard.in)

1). Vendor is required to register them online with <https://bcpl.ewizard.in> → e- Procurement of BCPL. Register as Vendor -- Filling up details and creating own user ID and Password → Submit.

2. After successful registration send request mail with acknowledgement slip ewizardhelpdesk.101@gmail.com for account activation.

3). Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form. In case of any clarification, please contact ITI Ltd, (before the scheduled time of the e-tender). Contact person (BCPL): Dealing Officer: Dy. Manager – Purchase Phone no. 033 – 2237 1525 / 26. E-mail: - kayalsudipto114@gmail.com

Contact person (ITI Ltd): Mr. Jitesh Kumar – eprochelpdesk.50@gmail.com (contact no: 9355030604).

Vendors should upload the below mentioned supporting documents (based on their type of Organization) during registration process:

1. PAN Card (for Individuals, Indian and Foreign Bidders)/ TAN Card (for Foreign Bidders).
2. Certificate of Incorporation (for Indian organizations)/ Memorandum of Articles – MOA (for Foreign Organizations)/ Passport (for Individuals and Foreign Bidders)
3. GST (for Indian Organizations) / TAN Certificate (for Foreign Organizations).
4. An Address proof is also to be submitted in case of Individuals.
5. If the firm is registering in joint venture, they also need to upload deed agreement.

NOTE 1: 1) Uploaded copy of all these supporting documents must be self-attested by authorized



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signatory. Attested signature shall also be verified by Tender Wizard Helpdesk for further authentication process.

2) Tenderer digital signature on the E- Tender form will be considered as their confirmation that they have read and accepted all the conditions laid down in the tender documents, unless specific deviation is quoted in the techno- commercial offer form (if).

3) E- Tender form is not transferrable and the same is to be submitted with digital signature/ signed & scanned copy by the pre- authorized personnel of the bidder. Tender is to be submitted through e-tender-mode only at website <https://bcpl.ewizard.in> along with scanned copies of credential papers.

4) For what so ever reasons, if any part of BCPL tender document is not uploaded/ submitted by the bidder, other than financial and technical offers(if) and requisite Pre-Qualifying credentials, in that case the missing part of the tender document shall be treated as read and acceptable to bidder.

5) Tenders completed as per instructions will be submitted through e-tendering mode only in the website <https://bcpl.ewizard.in> as per the prescribed date and time mentioned in the tender notice and tender will be opened on the prescribed date and time in the presence of tenderers or their authorized representative who may wish to be present. Only one representative of each tenderer, who has submitted the tender, will be allowed.

NOTE 2: Bidding in e-tender:

a) Vendor(s) need to submit necessary EMD (if) and transaction fees to be eligible to bid online in the e-tender. Tender fees (if) and Transaction fees are non-refundable. No interest will be paid on EMD (if). EMD (if) of the unsuccessful vendor(s) will be refunded by the tender inviting authority.

b) The process involves Electronic Bidding for submission of Technical (if) and Commercial Bid.

c) The vendor(s) who have submitted transaction fee can only submit their Technical Bid (if) and Commercial Bid through internet in ITI website <https://bcpl.ewizard.in>.

d) The vendor should allow running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms/Commercial specification and save the same.

g) In all cases, vendor should use their own ID and Password along with Digital Signature at the time of submission of their bid.

h) During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else.

i) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.

j) All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of supply.

k) It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.

l) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.

m) No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms & conditions for the tender.

Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.

No deviation to the technical (if) and commercial terms & conditions are allowed.



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The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.

Annexure-B

General Terms & Conditions

1. Mere participation in e-tender will not mean that a particular bidder will be automatically considered qualified and their bids will be entertained. Such qualification will be reviewed at the time of evaluation of bids also.
2. Price Bids (Part-II) of only those eligible bidders who's Part-I Bids are complete and in order shall be opened on time and date to be intimated later separately.
3. Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) are exempted from depositing Cost of Tender Document (if) and Earnest Money (if) having valid NSIC Certificate for MSEs along with DIC's (DISTRICT INDUSTRIES CENTRE) Certificate.
4. Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by Govt. of India, Ministry of Micro, Small & Medium Enterprises (MSME) vide Gazette Notification, dated 26.03.2012.
5. If eligible for the supply, the benefits as per prevailing norms will be extended to MSEs registered with NSIC as per New Public procurement Policy as notified by the Government of India, Ministry of Micro, small & medium enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012. It is not obligatory on the part of the Trustees to accept of Lowest Tender. They reserve the right to accept a Tender in full or in part and/or reject a Tender without assigning any reason thereof.
6. If Micro & Small Enterprises (MSEs) registered with NSIC intends to participate in the tender, for the items they are not registered with NSIC, then they will have to deposit cost of Tender Document (if), full amount of Earnest Money (if) as per NIT. Otherwise their offer for those items will not be considered.
7. Copy of valid NSIC Certificate for MSEs along with DIC's (DISTRICT INDUSTRIES CENTRE) Certificate has to be submitted along with the bid.
8. Due date of submission of tender may be extended as per BCPL's discretion by releasing corrigendum in website of BCPL and ITI LTD.
9. EMD is: As per E-Tender.
10. E-Tenderers submitted without requisite Earnest Money (if) are liable to be rejected excepting in case of Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) for items for which the tender is invited.
11. SCOPE OF WORK: As per E-Tender Document
12. The Terms and Conditions of E-Tender shall be read in conjunction with the General Conditions of Contract, Specifications, Bill of Quantities and other Documents forming part



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of this Contract wherever the Contract so requires.

- 13 VALIDITY: Starting Immediate Basis from the date of P.O & to be completed within 60 days from initiation of work order.
- 14 EARNEST MONEY or SECURITY DEPOSIT: As per tender Document & Earnest Money deposit will be kept on hold by BCPL & not be refunded for the awarded bidder until work is successfully performed & Certified.
- 15 The bidder shall quote his price as per the FORMAT in the Price bid (Part-II), The Bidder shall state clearly his quoted rates both in figures & words.
- 16 Price(s) to be quoted should remain firm over the contract period & No escalation or bargaining will be entertained once price bid will open.
- 17 All the Participating bidders should Physically must inspect The Site and Co-Ordinate with Sr. Manager (Engineering) prior to Bid Submission.**
- 18 EVALUATION CRITERIA: As per relevant clause of Tender Document and L-1 will be evaluated on Landed cost where ST/ GST is considered as refundable component.
- 19 **PAYMENT TERMS:** 50% against material supply and balance 50% after successful commissioning of said job.
- 20 Arbitration any disputes arising out of and in relation to this agreement will be settled to arbitrator appointed DF/MD of BCPL. The arbitration would be conducted and governed by and under the provisions of Arbitration Act 1996. Any legal dispute will be subject to jurisdiction of Kolkata Courts and no other Court shall have the Jurisdiction.
- 21 JURISDICTION OF COURT: The contract shall be governed by all relevant Indian Acts applicable within the jurisdiction of Kolkata.

Annexure-C

A) General Information:

Project Name: Supply, Installation and Commissioning of Ductable Air conditioning units including gas cooling coil and Hepa & 5 Micron fine filters with modification and fabrication of Ducting systems if required of designated eight numbers (08) Air Handling Units (AHU)(operational).

Location: Non-Beta Block & New QC Block of Maniktala Factory, 164, Maniktala Main Road, Kolkata-700054.

Scope of Work:

Supply, installation and commissioning of eight numbers Ductable Air Conditioning units with modification and fabrication of Ducting system if required of designated eight numbers Air Handling Unit(AHU)(operational) including Gas cooling coil and Hepa & 5 Micron fine filters to be installed in said AHUs along with all necessary accessories and controls to achieve the specified cooling capacity of 20 to 25 degree Centigrade and air distribution throughout the designated areas.

A) DESCRIPTION OF TOTAL JOBS TO BE CARRIED OUT:

Bidders must visit the site and thoroughly inspect all designated AHU's and associated rooms (as given in Annexure



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A & B below) before submitting quotation.

- Bidders must take the dimensions of all Hepa and fine filters and riser filters (as mentioned in Annexure A & B below) of all AHU's and associated rooms.
- Bidders must take the dimensions including length of all AHU's Ducting from AHU to associated rooms (as AHU mentioned in Annexure).
- **Bidders must calculate the volume of all associated rooms.**
- **Bidders must measure CFM of all associated AHU's.**
- **Bidders responsibility is to calculate HEAT LOAD of all associated rooms separately by taking room volume, AHU CFM, AHU ducting's dimension and length, equipment's load, surrounding environments, steam lines heat load etc.**
- **Supply & installation of gas cooling coil (copper) suitable for associated Tonnage of Air Conditioner units as per HEAT LOAD calculation inside the above said 08 numbers AHU systems.**
- **Supply, Installation of Air Conditioner outdoor unit tonnage as per HEAT LOAD calculation to be fixed at outside of said eight (08) numbers AHU units.**
- Making copper pipe connections from said AC outdoor units to said gas cooling coil.
- Making suitable MS angle structure/support for said Air Conditioner outdoor units.
- Modification, fabrication & erection of Ducting systems if required (24 SWG / GI sheet) in place of existing and damaged ducting for above said AHU'S in Non-Beta block.
- Dismantling old external ducting systems installed in new QC block from two no's AHU to inside associated rooms including insulation.
- Making new ducting systems from two numbers AHU systems up to associated rooms including insulation 60m long approx. including damper to create pressure difference as per C-B-B-C AND D-D orientation of microbiological room as per pharmaceuticals norms in New QC block.
- Supply & pasting the 13 mm Nitrile Rubber insulation with aluminum foil on ducting systems if required.
- Supply & pasting the acoustic insulation 10 mm Nitrile rubber on open cell if required.
- Supply & installation of HEPA filters and 5 Micron fine filter at the supply & return point of designated rooms and in said AHUs supply and return section as per AHU's CFM and air velocity.
- Supply, Fabrication & erection of MS angle frame for duct joint if required.
- Job of Duct support repairing & painting.
- Servicing of said 08 nos. AHU systems if required.



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- 3rd party validation- CFM check, air velocity check, ACPH check, particle content check, temperature and relative humidity check, hepa filters integrity test, air flow pattern, differential pressure, sound level test, fresh air percentage etc.
- Checking D-Humidifier and make ready to run by installing spare parts if any of all associated AHU's.
- **Warranty: One (01) year service and equipment's warranty from the date of commissioning.**
- Loading and unloading of equipment will be the responsible of bidders.
- Job completion period: **Two (02) months from the date of receipt Work Order/Purchase Order.**
- **Bidders should provide warranty certificate and operating manual, drawings etc.**
- **Bidders responsibility to achieve temperature from 20 to 25 degree C and relative humidity below 50% at full load condition.**
- Bidders must provide the required power and signal cable from our MCC panel to AC outdoor unit and remote control
- Bidders must install the drainage system from all associated AHUs to our drain system.
- Bidders must set the required ACPH, air velocity and air flow, CFM of AHUs and associated rooms as per Revised Schedule M criteria.

B) New Equipment Specification:

Capacity: As per bidders calculated HEAT LOAD.

Unit Type: Ductable air conditioners with inverter technology for energy efficiency.

Refrigerant: Environmentally friendly refrigerant (e.g., R32, R410A) as per applicable regulations in India.

C) Technical Specifications for Outdoor Units.

Compressor Type: Reciprocating type. **Fan Motor:** Energy-efficient fan motor with variable speed control

Condenser Coil Design: High-performance condenser coil for optimal heat transfer

Operating Range: 20 degree C - 25degree C. **Volt:** 220-240 VAC/50 HZ

Rating: 3/5 Star (BEE); **Type:** Inverter

Make: VOLTAS/Weather Makers/CARRIER/BLUE STAR/HITACHI.



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ANNEXURE

A) Technical data of existing six numbers AHUs of Non-Beta block:

Technical data	AHU-8	AHU-9	AHU-12	AHU-16	AHU-17	AHU-14
	Material day store	Solution preparation	Compression3	Staging CF056, staging CF057, staging CF038, Quarantine	Change parts CF052, IPQC CF053, office CF054, corridor, prestiging, change room,main entry	Tablet sorter
Model no. & make	CCTU-010 Flakt (I)Ltd	CCTU-025 Flakt(I)Ltd.	CCTU-030; Flakt (I)Ltd	CCTU-030 Flakt (I)Ltd	CCTU-100 Flakt (I)Ltd	CCTU-025 Flakt(I)Ltd
Air Quantity (CFM)	750	2000	2100	1970	9100	5850
Required TR.	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)
St. Pressure (mmwg)	115	115	115	115	115	115
Fan size	RDH-180 R	RDH-250R	RDH-250R	RDH-250R	RDH-560R	RDH-450R
Fan pulley	77 X 2A	101 X 2A	105X 2A	102 X 2A	163 X 3B	137 X 2B
V-belt	40 X 2A	46 X 2A	41 X 2A	46 X 2A	82 X 3B	69 X 2B
Motor KW	1.1	2.2	2.2	2.2	11	5.5
Cooling Coil size (Approx.)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)
Air Quantity (CFM)	750	2000	2100	1970	9100	5850
Hepa Filter size inside AHU & Qty(approx.)	2' x 1' (W X H)	2' x 2' (W X H)	2' x 2'-01 no & 2' x 1'-01 no	2' x 2'-01 no & 3' x 2'-01 no. (W X H)	2' x2'-06 nos & 2' x 1'-04 nos. (W X H)	.2' X2'-02 NOS 2' X1'-02 NOS (W X H)
Supply & return	02 nos.	02 nos.	3' x 2'-01 no (WXH)			



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Fine Filter size inside AHU & Qty(approx.)	2' x 1' (W X H)	2' x 2' (W X H)	2' x 2'-01 no & 2' x 1'-01 no (WXH)	2' x 2'-01 no. (W X H)	2' x2'-04 nos & 2' x 1'-02 nos. (W X H)	2' X2'-02 NOS 2' X1'-02 NOS (W X H)
Supply & return	01 no.	01 no.				
Motor Pulley	140 X 2A	125 X 2A	140 X 2A	125 X 2A	170 X 3B	180X2B
Technical data	AHU-8	AHU-9	AHU-12	AHU-16	AHU-17	AHU-14.
Room volume (APPROX.)	1014 CU.FT	1936 CU.FT	2670 CU.FT	5744 CU.FT	14889 CU.FT	2043 CU.FT
Hepa filter size & Qty in associated room(approx.)	2' X2'-02 NOS	2' X 2'-02 nos	2' X 2'-02 nos	2' X 2'-12 nos	2' X 2'-16 nos	2' X 2'-04 nos
Riser 5 Micron filter size and Qty in associated room	18" x18"-02 NOS	18" x18"-02 NOS	18" x18"-02 NOS	12" x18"-12 nos	12" x18"-07 nos	12" x18"-04 nos
D-Humidifier	AHU-8	AHU-9	AHU-12	AHU-16	AHU-17 (02 NOS)	AHU-14. (02 NOS)
Unit model	DT-800/4	DT-800/6	DT-800/6	DT-800/6	DT-3400/9 DT-800/4	DT-800/6
Power supply	380	380	380	380	380 380	380
Compressor kw	3	4.5	4.5	4.5	6.75 3	4.5
Regen fan kw	0.25	0.55	0.55	0.55	3.15 0.25	0.55
Process fan kw	0.25	0.55	0.55	0.55	3.0 0.25	0.55
Regen pump kw	0.50	0.50	0.50	0.50	0.55 0.50	0.50
Process pump kw	0.50	0.50	0.50	0.50	0.55 0.50	0.50
MCA	19	21	21	21	38 19	21
Refrigerant	R-22	R-22	R-22	R-22	R-22 R-22	R-22
solution	Licl-40%	Licl-40%	Licl-40%	Licl-40%	Licl-40% Licl-40%	Licl-40%
MOCP	25	30	30	30	50 25	30

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Technical data	AHU-4 Microbiological lab class-D & C (04 BLOCK)	AHU-6 Microbiological lab class-B & C(02 BLOCK)
Model no. & make	ZDS-30; ZECO AIRCON	ZDS-16; ZECO AIRCON
Air Quantity (CFM)	2710	1490
Required TR.	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)
St. Pressure (mmwg)	165	200
Fan RPM	3630	3869
Fan pulley	112 X 2A	125 X 2A
Motor KW	3.7	5.5
Cooling Coil size (Approx.)	Bidder's scope (as per Heat load calculation)	Bidder's scope (as per Heat load calculation)
Hepa Filter size inside AHU & Qty(approx.) Supply & return	2' x 1' (W X H) 01 nos.	2' x 2' (W X H) 02 nos.
Fine Filter size inside AHU & Qty(approx.); Supply & return	2' x 1' (W X H); 01 no.	2' x 2' (W X H); 01 no.
Motor Pulley	140 X 2A	125 X 2A
Room volume (APPROX.)	702 CU. FT	1056 CU.FT

D) Ductwork Requirements:**Material:** Galvanized steel ductwork with proper insulation for minimized heat loss**Duct Design:** Properly sized and designed ductwork with appropriate transitions and dampers to ensure even air distribution**Ductwork Insulation:** 13 mm Nitrile Rubber insulation with aluminium foil.**Air Diffusers/Grilles:** Aesthetically pleasing and functional air diffusers/grilles suitable for each room layout**E) Control System Specifications:**



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Central Controller: Centralized control system with options for zone control, scheduling, and remote monitoring (if applicable)

Sensors: Temperature and humidity sensors strategically placed throughout the designated rooms.

User Interface: User-friendly interface for system operation and monitoring

F) Installation Requirements:

Structural Support: Proper structural support for outdoor units and ducting system as per manufacturer's guidelines.

Electrical Wiring: Dedicated electrical circuits with appropriate voltage and amperage for each unit.

Drainage: Proper condensate drainage system for all units.

Aesthetic Considerations: Concealed ductwork and discreet installation of diffusers/grilles.

G) Commissioning and Testing:

Functional Testing: Verification of all system functions including cooling capacity, airflow, and control system operation.

Performance Testing: Measurement of airflow and temperature throughout the building to ensure design parameters are met.

H) Documentation: Detailed commissioning report with system performance data and as-built drawings with DQ, PQ, IQ.

Terms & conditions:

- Pre-bid inspection at Site for job assessment. Bidder must visit the Site and take proper measurement and understand the job clearly before submitting the bid.
- The Bidder must have prior experience of executing similar type of contracts involving supply, Fabrication, Installation, commissioning of Ductable Air Conditioning units in a Commercial Premises and shall have to submit job completion certificate from the Contractor / Purchaser (in the last 3 years).
- Payment terms may be 50% against material supply and 50 % after successful commissioning of said job.
- Bidder should provide warranty on defective workmanship for items erected / fabricated and OEM Warranty on the other relevant items.
- Payment will be made as per actual measurement and as per actual material supply.
- No accommodation will be provided by BCPL. No tools & tackles will be provided by BCPL.
- Party should provide detailed commissioning report with system performance data and as-built drawings with DQ, PQ, IQ. Pre-bid clarification to be obtained prior to bid submission.



Annexure-D

Other terms and conditions for filling Bids:

1. Bidders to perform the scheduled Job within contract duration mention from the date of placing order. No price escalation will be entertained during the stand period.
2. The transaction fees are non-refundable.
3. In-case of tax changes within the contract period due to GST implementation, the received basic prices will be considered along with the applicable taxes and evaluation will be carried out accordingly.
4. Only technically qualified in terms of Transaction fees, Experience, Technical Criteria's (if) etc. will only be considered for price bid evaluation.
5. The Price Bid of New Vendors and Those Under Vendor Development Program Will Be Considered for Price Bid Evaluation Only After Successful Evaluation of All Technical Parameters.
6. L-1 will be evaluated on Landed cost where GST is refundable hence has no impact on landed cost.
7. Contract Duration: Starting Immediate Basis from the date of P.O & to be completed within 60 days from initiation of work.
8. Failure to complete the stipulated jobs for any of the above reasons will also entail forfeiture of Security Deposit/EMD (if) and even blacklisting of the supplier.
9. EMD will be on kept hold with BCPL during the entire contract periods as security deposit after completion of tender process & the same will be refunded after successful completion of job including submission of all related documents.
10. All decisions of BCPL will be final and binding.
11. In case, the supplier fails to start/deliver/provide the job within 60 days BCPL will have full right to purchase from the alternative sources & the price difference will be recovered from the contract awarded defaulter vendor's outstanding/EMD/Security Deposit (if).
12. Offered rate should be valid 30 days from the date of opening price bid to place order.
13. Bidders have to visit the job site/Premises & understand the job before submission of Bids.
14. **Payment Terms- 50% against material supply& acceptance and balance after successful commissioning of the said job.**
15. No Accommodation will be provided to the Awarded Bidder. Bidder should have to manage it themselves.
16. The contractor should manage all required tool kits, consumables, arrangements at his own to provide the job done; BCPL will not provide any consumable during execution of job.
17. The contractor will be responsible for any damage, misplace of materials or any mishaps occurred during any point of working & manage at free of cost.
18. Bidder should provide warranty on defective workmanship for items erected / fabricated and OEM Warranty on the other relevant items.
19. Payment will be made as per actual measurement and as per actual material supply



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20. Pre-bid clarification (if any) must be obtained prior to bid submission.

Eligibility Criteria for qualifying the TECHNICAL BID.

Eligibility Criteria (All these documents are required to upload):

- The Bidder must have relevant (At least of two years) experience of executing similar type of contracts involving supply, installation, commissioning of ductable air conditioning units in any reputed company and shall have to submit job completion certificate /orders from the Contractee / Purchaser in technical Bid.
- The minimum annual turnover of the bidder should be minimum Rs.0.25cr; related documents like P&L balance sheet to be submitted. However, MSMEs; Indian Manufacturer will be considered with lesser annual turnover also; however, Manufacturers has no minimum turn over criteria.
- Must have valid Registration certificate for Income Tax, Pan, Provident Fund, ESI, GST and Trade License & to submit them all in technical Bid document, in case of exemption if any, declaration to be submitted.
- The Vendor Must Ensure Full Safety Precaution During Execution of The Job at Site. In case of any mishaps BCPL will not be responsible.
- If the bidder is licensed or registered from reputed Government /Any Statutory organization or having experience in working with Government firms or departments, must enclose document proof against that in technical Bid. Licensed & having experienced in Govt. firms shall get extra preferences.
- Failing to fulfill the eligibility criteria will lead to rejection and their price will not be considered for evaluation.

(All the above Documentary Evidence needs to be uploaded during bidding, all documents to be signed and stamped by authorized person)

CLARIFICATIONS

For any clarifications please contact. Sr.Manager (Engineering), Mr Nayan Mukherjee
Job Address: Bengal Chemicals & Pharmaceuticals Ltd., 164, Maniktala Main Road,
Kolkata- 700054, West Bengal.

WORKING PERIOD

Normally the above work will be carried out between 9 A.M. to 5.30 P.M. working day only. In case of any deviation from this shall have to take prior permission from the Engineering-Charge.

NUMBER OF WORKFORCE: for the above-mentioned job, Awarded Vendor should have to provide all the required manpower. BCPL will not entertain own manpower in this matter.



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Annexure-E

Format for Price Quotation:

SL No	Description of Job		Rs per No. (Lot or No)	Total Basic (Door step Delivery Amount basis) in Rs/-
1.	- To visit the site and thoroughly inspect all designated AHU's and associated rooms (as given in the two Annexure A & B) - To take the dimensions of all Hepa and fine filters and riser filters (as mentioned in Annexure A & B) of all AHU's and associated rooms. - To take the dimensions including length of all AHU's Ducting from AHU to associated rooms (as AHU mentioned in Annexure A & B). To calculate the volume of all associated rooms. To measure CFM of all associated AHU's. To calculate HEAT LOAD of all associated rooms separately by taking room volume, AHU CFM, AHU ducting's dimension and length, equipment's load, surrounding environments, steam lines heat load etc. Supply & installation of gas cooling coil (copper) suitable for associated Tonnage of Air Conditioner units as per HEAT LOAD calculation inside the above said 08 numbers AHU systems. Supply, installation of Air Conditioner outdoor unit tonnage as per HEAT LOAD calculation to be fixed at outside of said eight (08) numbers AHU units. - Making copper pipe connections from said AC outdoor units to said gas cooling coil. - Making suitable MS angle structure/support for said Air Conditioner outdoor units. - Modification, fabrication & erection of Ducting systems if required (24 SWG / GI sheet) in place of existing and damaged ducting for above said AHU'S in Non-Beta block. - Dismantling old external ducting systems installed in new QC block from two no's AHU to inside associated rooms including insulation.	1 Lot		



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	• Making new ducting systems from two numbers AHU systems up to associated rooms including insulation 60m long approx. including damper to create pressure difference as per C-B-B-C AND D-D orientation of microbiological room as per pharmaceuticals norms in New QC block. • Supply & pasting the 13 mm Nitrile Rubber insulation with aluminum foil on ducting systems if required. • Supply & pasting the acoustic insulation 10 mm Nitrile rubber on open cell if required. • Supply & installation of HEPA filters and 5 Micron fine filter at the supply & return point of designated rooms and in said AHUs supply and return section as per AHU's CFM and air velocity. • Supply, Fabrication & erection of MS angle frame for duct joint if required. • Job of Duct support repairing & painting. • Servicing of said 08 nos. AHU systems if required. • 3rd party validation- CFM check, air velocity check, ACPH check, particle content check, temperature and relative humidity check, hepa filters integrity test, air flow pattern, differential pressure, sound level test, fresh air percentage etc. • Checking D-Humidifier and make ready to run by installing spare parts if any of all associated AHU's. • Loading and unloading of equipment will be the responsible of bidders. • Bidders responsibility to achieve temperature from 20 to 25 degree C and relative humidity below 50% at full load condition. • Bidders must provide the required power and signal cable from our MCC panel to AC outdoor unit and remote control • Bidders must install the drainage system from all associated AHUs to our drain system. • Bidders must set the required ACPH, air velocity and air flow, CFM of AHUs and associated rooms as per Revised Schedule M criteria.			
2	New Equipment Specification: Capacity: As per bidder's calculated HEAT LOAD Unit Type: Ductable air conditioners with inverter technology for energy efficiency. Refrigerant: Environmentally friendly refrigerant (e.g., R32, R410A) as per applicable regulations.	08 Nos		



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	Technical Specifications for Outdoor Units: Compressor Type: Reciprocating type. Fan Motor: Energy-efficient fan motor with variable speed control Condenser Coil Design: High-performance condenser coil for optimal heat transfer Operating Range: 20 degree C -25-degree C. Capacity: As mentioned in annexure. Volt: 220-240 VAC/50 HZ. Rating: 3/5 Star (BEE) ; Type: Inverter Make: VOLTAS/CARRIER/BLUE STAR/HITACHI/Weather Maker.			
3.	Ductwork Requirements: Material: Galvanized steel ductwork with proper insulation for minimized heat loss Duct Design: Properly sized and designed ductwork with appropriate transitions and dampers to ensure even air distribution Ductwork Insulation: 13 mm Nitrile Rubber insulation with aluminium foil. Air Diffusers/Grilles: Aesthetically pleasing and functional air diffusers/grilles suitable for each room layout. Control System Specifications: Central Controller: Centralized control system with options for zone control, scheduling, and remote monitoring (if applicable) Sensors: Temperature and humidity sensors strategically placed throughout the designated rooms. User Interface: User-friendly interface for system operation and monitoring	1 Lot		
4.	Installation Requirements: Structural Support: Proper structural support for outdoor units and ducting system as per manufacturer's guidelines Electrical Wiring: Dedicated electrical circuits with appropriate voltage and amperage for each unit Drainage: Proper condensate drainage system for all units Aesthetic Considerations: Concealed ductwork and discreet installation of diffusers/grilles	1 Lot		
5.	Commissioning and Testing: Functional Testing: Verification of all system functions including cooling capacity, airflow, and control system operation. Performance Testing: Measurement of airflow and temperature throughout the building to ensure design parameters are met. Documentation:	1 Lot		



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	Detailed commissioning report with system performance data and as-built drawings with OQ, PQ, IQ.			
(a)	<i>Total Door step delivery Basic Cost basis (Rs) i.e. inclusive of all freight charges, Loading & Unloading charges, Insurance & Other charges if any)</i>			
(b)	<i>GST (%)</i>			
	<i>Total Amount Rs (a + b)</i>			

****Bidders are requested to sign & stamp in all pages of bid document and upload in the E-tender.**

1. Bidders are first requested to visit our site and then participate in our tender. Contact Officer:
Sr Manager (Engineering). No price escalation will be entertained once the tender bid has been submitted.

Sr. Manager(Purchase)

BCPL, 6, Ganesh Chunder
Avenue, Kolkata -7000013