

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 Conditioners (Two Nos) with Ducting Panels In QC Department, Starting with immediate basis within 15 days from ordering & to be completed within 30 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 <a href="SCHEDULE OF TENDER">SCHEDULE OF TENDER (SOT)</a>

Tender No & Date	BCPL/2025-26/ET/08, Dated: 10.05.2025	
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	10th May, 2025 from 14:00 Hrs.	
parties to download		
Last date and Time to participate	30 <sup>th</sup> May, 2025 till 14:00 Hrs.	
Evaluation Start time and date	30 <sup>th</sup> May, 2025 @ 14:30 Hrs.	
Transaction Fees	Min Rs 500/- to Max Rs. 3,500/- +Applicable	
	GST	
Earnest Money cum Security Deposit	Rs 40000/- 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	30 <sup>th</sup> May, 2025, till 14:00 Hrs	
Transaction fees		

#### **List of Annexure:**

Important Instructions for e-tender: - Annexure – A.

General Terms and Conditions: - Annexure – B.

Scope of Work: Annexure – C.

Notice Inviting Tender & Others: - Annexure – D.

BoQ: - 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 $\mathsf{A}\mathsf{T}$

https://bcpl.ewizard.in

- 1). Vendor is required to register them online with <a href="https://bcpl.ewizard.in">https://bcpl.ewizard.in</a> → 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 to <a href="mailto:ewizardhelpdesk01@gmail.com">ewizardhelpdesk01@gmail.com</a> 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:- purchase co@bengalchemicals.co.in

Contact person (ITI Ltd): Mr. Jitesh Kumar - eprochelpdesk50@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 signatory. Attested signature shall also be verified by Tender Wizard Helpdesk for further authentication process.



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- 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 <a href="https://bcpl.ewizard.in">https://bcpl.ewizard.in</a> 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 websit\_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.
- I) 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.** 

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.



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#### **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 of this Contract wherever the Contractso requires.
- 13 VALIDITY: Starting Immediate Basis within 15 days from the date of P.O & to be completed within 30 days from initiation of work.
- 14 EARNEST MONEY or SECURITY DEPOSIT: As per tender Document & Earnest Money deposit will kept on hold by BCPL & not be refunded for the awarded bidder until work is successfully



## BENGAL CHEMICALS & PHARMACEUTICALS LTD.

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performed & Certified.

- 15 The bidder shall quote his price as per the Bill of Quantities 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 inspect The Site And Co-Ordinate With Manager(Engineering) & Engg (Civil) 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 **PAYMENTS**: In Phase wise. Shall be 70% against supply of full material required for execution of job upon submission of Original Purchase Invoice of materials and for remaining job after successful commissioning of said job.(Duly Certified By The Enginr -In Charge) on the actual measurement basis.
- 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:

<u>Project Name</u>: Supply, installation, testing, and commissioning of Ductable Air conditioning units with new ducting system.

Location: New QC Block ,Maniktala Factory, 164, Maniktala Main Road, Kolkata-700054

#### Scope of Work-

Supply, installation, testing, and commissioning of two numbers ductable air conditioning units with complete ductwork system(fabrication) from designated two numbers Air Handling Unit(AHU)(operational) upto in-house existing ducting system including Gas cooling coil to be installed in said AHUs along with all necessary accessories and controls to achieve the specified cooling capacity and air distribution throughout the designated areas .All of the stated work must have to comply Rules & Guidelines Of Revised GMP Schedule-M regulations in Pharmaceutical industry.



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#### B) DESCRIPTION OF TOTAL JOBS TO BE CARRIED OUT:

- 1. Dismantling of two numbers water cooling copper coil installed inside of above mentioned two nos AHU system.
- 2. Supply, installation of two nos gas cooling coil (copper) 6 row (size: 24 " x 16 " approx) suitable for 05 ton Air Conditioner unit inside the above said two numbers AHU systems (as replacement of the existing water cooling coil).
- 3. Supply, installation of two nos Air Conditioner outdoor unit capacity 05 Ton each to be fixed at outside of said two numbers AHU unit.
- 4. Making copper pipe connections from said AC outdoor units to said gas cooling coil.
- 5. Making suitable MS angle structure/support for said 05 Ton Air Conditioner outdoor units.
- 6. Dismantling the old & damaged insulation of existing ducting system-area 240 sq. m approx.
- 7. Dismantling of damaged ductings with fittings- area 240 sq.m approx.
- 8. Supply, fabrication & erection of new ducting system (24 SWG / GI sheet) in place of damaged ductings for both above said AHU'S -240 sq.m total area approx, dimension of ducting-300 mm (W), 75 mm (H) and length-120 m approx.
- 9. Supply & pasting the 13 mm Nitrile Rubber insulation with aluminum foil on new ducting system approx. 240 sq.m
- 10. Supply & pasting the acoustic insulation 10 mm Nitrile rubber open cell 50 sq. m approx.
- 11. Supply & installation of HEPA filters (600 X 600 mm) 0.3 microns at the supply point of designated room -04 nos.
- 12. Supply, Fabrication & erection of MS angle frame for duct joint (30 x30 x3) S/A & F/A- 50 NOS. APPROX
- 13. Job of Duct support repairing & painting.
- 14. Supply, installation of 05 microns and 10 microns (550 x 550 mm) filter -02 nos. inside said AHU system.
- 15. Servicing of said two nos. AHU system
- 16. Job of Scaffolding for the above jobs.
- 17. 3<sup>rd</sup> party validation, CFM check and particle content check.

### C) New Equipment Specification:

**Capacity:** 05 Ton Air Conditioning outdoor unit.

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

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

regulations.



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### D) 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: 05 Ton

Volt: 220-240 VAC/50 HZ Rating: 3 Star (BEE) Type: Inverter

Make: VOLTAS/SAMSUNG/CARRIER/BLUE STAR/LG/HITACHI/DAIKIN.

### E) Technical data of existing AHU 01 & AHU 02:

Technical data	AHU 01	AHU 02
a. Model no	ZDS-30	ZDS-16
b. Air Quantity(CFM)	2710	1490
c. St. Pressure ( mmwg )	165	200
d. Fan model	BDB-280 CL-II	BDB-280 CL-II
e. Fan pulley dia (mm)	112 X 2A	125 X 2A
f. Fan RPM	3650	3869
g. Motor KW/[POLE/PH]	3.7/2/3	5.5/2/3
h.Coil	CHW	CHW
i. Filter	EU-4-9	EU-4-8-13
j. Motor Pulley Dia (mm)	144 X 2A	170 X 2A

### F) Designated room dimensions:

Room 01: 1.85 m X 1.5 m X 2.45 m (GL to false ceiling) approx Room 02: 2.95 m X 1.85 m X 2.45 m (GL to false ceiling) approx Room 03: 1.9 m X 1.55 m X 2.45 m (GL to false ceiling) approx

### G) <u>Ductwork Requirements</u>:

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.



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Air Diffusers/Grilles: Aesthetically pleasing and functional air diffusers/grilles suitable for each

room layout

### **H) 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

#### I) 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

### J) 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.

#### L) Documentation:

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

#### Note:

The whole job is to be done in single Lot basis. So price to be offered for each line item jobs separately but evaluation of L1 will be on a lot basis (Comprising with all line item jobs altogether/Point-1 to 6)



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#### 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 is 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 within 15 days from the date of P.O & to be completed within 30 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 30 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. The Bidder must have relevant (At least Five Years) experience of executing similar type of contracts involving Fabrication, Installation of Ductable Air-Conditioning system with capacity of at least 10 ton in a Commercial Premises and shall have to submit job completion certificate from the Contractee / Purchaser (in the last 2 years) in technical Bid.
- 15. **Payment Terms** In Phase wise. Shall be 70% against supply of full material required for execution of job upon submission of Original Purchase Invoice of materials and for remaining job after successful commissioning of said job.(Duly Certified By The Enginr -In Charge) on the actual measurement basis.
- 16. No Accommodation will be provided to the Awarded Bidder. Bidder should have to manage it themselves.
- 17. 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.
- 18. 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.



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- 19. Bidder should provide warranty on defective workmanship for items erected / fabricated and OEM Warranty on the other relevant items.
- 20. Payment will be made as per actual measurement and as per actual material supply
- 21. Party should provide IQ & DQ & PQ.
- 22. Pre-bid clarification to 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 Five Years) experience of executing similar type of contracts involving Fabrication, Installation of Ductable Air-Conditioning system with capacity of at least 10 ton in a Commercial Premises and shall have to submit job completion certificate from the Contractee / Purchaser (in the last 2 years) in technical Bid.
- The OEM reseller / authorized contractor of VOLTAS/SAMSUNG/CARRIER/BLUE STAR/LG/GODREJ/HITACHI/DAIKIN may also apply
- 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. 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.

<u>NUMBER OF WORKFORCE</u>: 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**

### # Bill of Quantity (BOQ):

SL No	Description Of Job	Quantity	Rate	Total Basic Amount in Rs/-
1.	Dismantling of two numbers water cooling copper coil installed inside of above mentioned two nos AHU system.  Supply, installation of two nos gas cooling coil (copper) 6 row (size: 24 " x 16 " approx) suitable for 05 ton Air Conditioner unit inside the above said two numbers AHU systems ( as replacement of the existing water cooling coil).  Making copper pipe connections from said AC outdoor units to said gas cooling coil.  Making suitable MS angle structure/support for said 05 Ton Air Conditioner outdoor units.  Dismantling the old & damaged insulation of existing ducting systemarea 240 sq. m approx.  Dismantling of damaged ductings with fittings- area 240 sq.m approx. Supply, fabrication & erection of new ducting system (24 SWG / GI sheet) in place of damaged ductings for both above said AHU'S -240 sq.m total area approx, dimension of ducting-300 mm (W), 75 mm (H) and length-120 m approx.  Supply & pasting the acoustic insulation 10 mm Nitrile rubber open cell 50 sq. m approx.  Supply & installation of HEPA filters (600 X 600 mm) 0.3 microns at the supply point of designated room -04 nos.  Supply, Fabrication & erection of MS angle frame for duct joint (30 x30 x3) S/A & F/A- 50 NOS. APPROX  Job of Duct support repairing & painting.  Supply, installation of 05 microns and 10 microns (550 x 550 mm) filter -02 nos. inside said AHU system.  Servicing of said two nos. AHU system  Job of Scaffolding for the above jobs.  3rd party validation, CFM check and particle content check.	1 LOT		



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2.	New Equipment Specification: Supply, installation of Air Conditioner	2 Nos
	outdoor unit capacity 05 Ton each to be fixed at outside of said two	
	numbers AHU unit	
	Capacity: 05 Ton Air Conditioning outdoor unit	
	Unit Type: Ductable air conditioners with inverter technology for	
	energy efficiency.	
	<b>Refrigerant:</b> Environmentally friendly refrigerant (e.g., R32, R410A) as	
	per applicable regulations.	
3.	Ductwork Requirements:	1 LOT
	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	
	<b>Ductwork Insulation:</b> Supply & pasting the 13 mm Nitrile Rubber insulation	
	with aluminum foil on new ducting system —approx. 240 sq.m	
	Air Diffusers/Grilles: Aesthetically pleasing and functional air	
	diffusers/grilles suitable for each room layout	
4.	Installation Requirements:	1 LOT
	Structural Support: Proper structural support for outdoor units and	
	ducting system as per manufacturer's guidelines	
	<b>Electrical Wiring:</b> 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	
	installation of diffusers/griffes	
5.	Commissioning and Testing:	1 LOT
	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	
6.	Documentation	1 LOT
	Detailed commissioning report with system performance data and asbuilt drawings with DQ, PQ, IQ.	
	عدد ما ما الما الما الما الما الما الما ا	
	Total Offered Basic Amount(SL No-1-6)	
	Total Offerea Basic Amount(SL NO-1-0)	



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Note:

The whole job is to be done in single Lot basis. Price to be offered for each line item jobs separately but evaluation of L1 will be on a lot basis (Comprising with all line item jobs altogether/Point-1 to 6)

#### GST As Applicable in this Case:-

\*\*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: Manager (Engineering).
- 2. No price escalation will be entertained once the tender bid has been submitted.
- 3. All of the stated work must have to comply Rules & Guidelines of Revised GMP Schedule-M regulations in Pharmaceutical industry. Hence participation of Experience Bidder is essential.



#### Manager (Purchase)

BCPL, 6, Ganesh Chunder Avenue, Kolkata -7000013.