



Basic Details

Organisation Chain	Department of Pharmaceuticals National Institute of Pharmaceutical Education and Research (NIPER) Guwahati		
Tender Reference Number	NIPERG/143/EQP/IVC Exhaust L/23-24/394 dtd 23.2.24		
Tender ID	2024_MCF_747273_1		
Tender Type	Open Tender	Form of contract	Supply
Tender Category	Goods	No. of Covers	2
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No		

Payment Instruments

Offline	S.No	Instrument Type
	1	Demand Draft
	2	As Per Tender Document

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Technical Bid
2	Finance	.xls	Commercial Bid

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	NA	Fee Payable At	NA
Tender Fee Exemption Allowed	NA		

EMD Fee Details

EMD Amount in ₹	22,000	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Director, NIPER-Guwahati	EMD Payable At	Changsari

Work /Item(s)

Title	Tender Enquiry for supply and installation of IVC Exhaust Line				
Work Description	Tender Enquiry for supply and installation of IVC Exhaust Line				
Pre Qualification Details	Please refer Tender documents.				
Tender Value in ₹	1	Product Category	Laboratory and scientific equipment	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	30
Location	NIPER-Guwahati, Changsari	Pincode	781101	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	NIPER-Guwahati, Changsari

Critical Dates

Publish Date	23-Feb-2024 11:30 AM	Bid Opening Date	08-Mar-2024 03:30 PM
Document Download / Sale Start Date	23-Feb-2024 11:30 AM	Document Download / Sale End Date	08-Mar-2024 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	23-Feb-2024 11:30 AM	Bid Submission End Date	08-Mar-2024 02:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Tender Enquiry for supply and installation of IVC Exhaust Line	11575.79

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	TENDER IVC EXHAUST LINE.pdf	Tender Enquiry for supply and installation of IVC Exhaust Line	11575.79

Tender Inviting Authority

Name	Director, NIPER-Guwahati
Address	NIPER-Guwahati, SilaKatamur, Halugurisuk, Changsari, Kamrup, Assam-781101.

Tender Creator Details

Created By	Gitartha Goswami
Designation	Assistant Registrar
Created Date	23-Feb-2024 11:11 AM



TENDER ENQUIRY FOR

Supply and Installation of

IVC Exhaust Line

(Specifications as per Annexure – IV)

Enquiry No.: NIPER-G/S&P/143/EQP/IVC Exhaust Line/2023-24/.....³⁹⁴
dated 23/02/2024

***NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND
RESEARCH-GUWAHATI***

*Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers Government of India
SilaKatamur, Halugurisuk, Changsari, Kamrup, Assam-781101, India*



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान, गुवाहाटी
NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH-GUWAHATI
(Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India)
SilaKatamur (Halugurisuk), P.O.: Changsari, Dist: Kamrup, Assam, Pin: 781101.

No: NIPER-G/S&P/143/EQP/IVC Exhaust Line/2023-24/ 394

Date: 23/02/2024

CRITICAL DATES		
1.	Date of publication of the Tender Document	23/02/2024
2.	Starting date of downloading of Tender Document	23/02/2024
3.	Ending Date of Bid Submission	08/03/2024 up to 2:00pm
4.	Opening Date of Technical Bid	08/03/2024 at 3:30pm
5.	Opening Date of Financial Bid	Will be Intimated Later

GENERAL TERMS & CONDITIONS

- PRICE:** Please quote your rate on **FOR NIPER-Guwahati with all-inclusive cost**, basis.
- SUBMISSION OF BIDS:** The signed technical and commercial bids should be submitted in separate sealed covers in a single envelope super scribed with "**Quotation for IVC Exhaust Line against CPPP Tender ID _____**" and addressed to the *Director, National Institute of Pharmaceutical Education and Research (NIPER)-Guwahati, SilaKatamur, Halugurisuk, Changsari, Kamrup, Assam-781101, INDIA* so as to reach this institute on or before **8th March 2024 (Friday) up to 2:00pm** and shall be opened on the same day at 3.30pm in Stores and Purchase Department, NIPER Guwahati.
- EMD Deposit:** A refundable Earnest Money Deposit (EMD) amounting to ₹ 22,000/- in the form of Demand Draft drawn in favour of "**The Director, NIPER-Guwahati**" issued from a Commercial Bank, will have to be submitted along with the quotation. Offers received without Earnest Money or valid Certificate shall be summarily rejected. As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprises (MSEs) and the firms registered with concerned Ministries/ Departments are exempted from submission of Bid Security.
- DELIVERY:** The ordered material(s) is/are required urgently and hence, kindly specify the shortest possible delivery schedule. The bidders are expected to quote free delivery at NIPER-Guwahati. Price which includes components like packing, freight, forwarding, and delivering the same in good condition at NIPER-Guwahati. The bids which do not conform to the above condition are liable for rejection. The contractual obligations are treated as completed only when all the ordered items are handed over to the institutes in ready-to-use condition and installed and accepted by the user department.

5. All the bids are to be submitted in two bid system i.e., technical and commercial bids separately in different sealed covers. The suppliers are expected to use the same proforma for technical and commercial bids. In the technical bid an indication needs to be given by indicating xxxxxx at the place of quoted value which can be seen in corresponding commercial bid when the same is opened. This will help the institute to know that the rate is indicated for the same in the commercial bid.
6. Each complete set of bidding document may be downloaded by any interested bidder from the NIPER- Guwahati website <http://niperguwahati.ac.in>, CPP Portal <https://eprocure.gov.in/epublish/app> free of cost.

7. PLEASE ENSURE SUBMISSION OF FOLLOWING DOCUMENTS WITH BID:

- Quotation with rates, detailed terms and conditions. Please attach authorization letter from principals if the quotation is submitted by Indian Agents on behalf of their principals.
- Detailed Technical specification for each item for which quotation is submitted. Highlight the technical specialties of the equipment.
- Printed technical Literature/Leaflets of the item/Brochure wherever available.
- Provide company profile and brief note indicating your experience in manufacturing/supplying such items.
- Detailed customer list with addresses, Phone number, E-mail, etc, and name of contact person.
- The bidder should have supplied and installed **similar item** to Centrally Funded Technical Institutions / National Laboratories/Research Institutes/Medical Institutes (CSIR labs, IITs, NIPERs, AIIMS, NITs, IISCs, IISERs, IIITs etc.) in the last five years and should provide Purchase Orders of those as documentary evidence. Further, the bidder must provide a certificate of satisfactory performance from the organization to which they have recently supplied. Contact details of the faculty/person-in-charge of the installed setup must also be provided.
- Certificate of Incorporation/ Registration Certificate of the firm / Company/Agency
- Income Tax returns filed for the last three financial years 2018- 19, 2019-20,2020-21
- PAN No.
- GST Registration certificate
- Bidder/Agent who quotes for items manufactured by the other manufacturer shall furnish scanned copy of Manufacturer's Authorization Form as per Annexure-I

- The tenders not meeting the eligibility criteria will be liable for rejection. Hence, the tenderers are advised to attach relevant documents in support of their eligibility.
- The OEM certificate or the valid authorization letter from the OEM for sale & support of the product quoted

8. **A detailed point wise technical compliance/deviation statement to be provided enabling user department to have clear idea of technical compliance of offer submitted.**

9. **Installation:** Bidder shall be responsible for installation as applicable and for after sales service during the warranty and thereafter. Installation to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the item at site.

10. **Warranty:** This institute as a matter of policy would like to have 03-years comprehensive warranty.

The duration of the warranty will be extended equivalent to the down time period of the instrument during warranty. The bidders are expected to supply brand new items. In cases where items are procured from a third party as an accessory to the main unit the warranty obligation should be extended to this type of component also. In other words, the bidder/supplier will be directly responsible for fulfilling warranty obligations of the entire supply.

The list of consumable items which are not covered under warranty conditions may please be indicated separately for the information of the institute.

11. **AMC/CMC:** The Bidder may offer free or chargeable AMC/CMC Services after the expiry of the warranty period. If chargeable, the AMC/CMC Charges should be quoted. The AMC/CMC charges will be payable at the end of each year /quarter which is applicable. While submitting charges for AMC/CMC please indicate separately the cost implications for the following:

- Per visit rate.
- Annual maintenance charges with spares (comprehensive).
- Annual maintenance charges without spares.

The above rates should be valid for a period of three years after expiry of the agreed warranty period. This information is essential to decide the lowest quoting bidder. **The supplier, while offering AMC/CMC, break-up value for each year should be indicated.**

12. **Payment Terms:** As a matter of policy being a government institution, no advance payments can be made to suppliers.

For indigenous items:

The following payment terms may please be noted:

- a) Through bank transfer after receipt, successful installation and commissioning of the ordered item (s) and submission of Performance Security.

For imported items:

A letter of credit will be established for 100% value with the following stipulations:

- a) 80% payment will be released against physical delivery of items at NIPER- Guwahati in good condition.
- b) 20% balance payment will be released after deducting Indian agency commission component after satisfactory installation, commissioning, demonstration, training, etc., acceptance by user department/institute, after watching performance for 30 days and receipt of performance security to cover warranty obligation.

13. Prices are required to be quoted in units indicated in the enquiry. When quotations are given in terms of other units, the relationship between two sets of units should be furnished. Quantity discounts, if any, should also be indicated. The items should be quoted indicating the serial No. of our Reference No
14. This Institute is registered with Dept. of Scientific & Industrial Research (DSIR), Govt. of India and concessional customs duty and GST & IGST are leviable vide notification no. 54/2002-Customs on all imports covered under notificationNo.51/96-Customs dated 23.07.1996, Notification No.47/2017-Integrated Tax(Rate) and Notification No.45/2017-Central Tax (Rate) both dated 14thNovember, 2017.
15. The mode of dispatch/transportation of the items must be by *Air/Sea/Rail/Road only*.
16. TDS would be recovered as per rules in case of Fabrication/ Servicing/Maintenance jobs/Installation charges etc.
17. **Locations for the supply / services:** The bidders may note that the items covered by this document are required to be supplied and installed at:
NIPER-Guwahati,
SilaKatamur, Halugurisuk,
Changsari, Kamrup, Assam-781101,
Near Bhupen Hazarika Regional Government Film and Television Institute.

NIPER-G will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the principal supplier/agent to make their own arrangements.

18. **Bid Validity:** The Bid shall remain valid for acceptance for a period of 90 days after the date of Bid opening prescribed in the Bidding Document. Any Bid valid for a shorter period shall be treated as unresponsive and rejected.

In exceptional cases, the Bidders may be requested by the Institute to extend the validity of their Bids up to a specified period. The Bidders, who agree to extend the Bid validity, are expected to extend the same without any change or modification.

In case the day up to which the Bids are to remain valid falls on or subsequently declared a holiday or closed day for NIPER-Guwahati , the Bid validity shall automatically be extended up to the next working day

19. **Performance Security:** A performance security against the warranty period equivalent to 10% of the total order value will have to be furnished by the supplier in the form of Payee Demand Draft / Fixed Deposit / Bank Guarantee, in favour of “*Director, NIPER-Guwahati*” issued by a Commercial Bank within 21 days from the date of installation of the ordered item (s). The performance security shall remain valid for the warranty period starting from the date of installation plus additional 60 days claim period for the institute.

The Bank Guarantee issued by the bank must be routed through SFMS Platform as per the following details:

- i. MT 760/ MT 760 COV for issuance of Bank Guarantee.
- ii. MT 760/ MT 767 COV for amendment of Bank Guarantee.

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to HDFC Bank, Adabari Branch, IFSC Code- HDFC0009310: SWIFT Code HDFC INBBCAL; Branch Address: ADABARI TINIALI, UN ENCLAVE, GUWAHATI- 781012 (The comments is mailed for correct inclusion/ reference).

20. **Make in India Policy:** This institute is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent amendments to the order. Accordingly, preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.

21. **Requirement of Purchase Preference:** Subject to the provisions of the order and to any specific instructions issued by the Nodal Ministry or in pursuance of the order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder:

- a. In procurement of goods, services or works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods, services or works is more than Rs. 50 lakhs, the provisions of **sub paragraph b or c**, as the case may be, shall apply.
- b. In the procurements of goods or works which are not covered by **paragraph (a)** and **which are divisible in nature**, the following procedure shall be followed:
 - i. Among all qualified bids, the lowest bid will be termed as L1. If **L1 is from a local supplier**, the contract for **full quantity will be awarded to L1**.
 - ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling

within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

c. In procurements of goods or works not covered by **sub-paragraph (a)** and **which are not divisible**, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.
- ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and a contract shall be awarded accordingly. In case none of the local Suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

22. Acceptance & Rejection: The acceptance of the quotation will rest with the Director, NIPER-Guwahati, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or accept, partially or all the quotations received, without assigning any reason. The Director, NIPER-Guwahati further reserves the right to withdraw the tender or part thereof or modify the requirements without assigning any reason and the right to relax any of the conditions in the best interest of the Institution.

23. Penalty Clause: As per Govt. of India guidelines, a penalty equivalent to 1% of the order value per week of delay beyond the stipulated delivery period subject to a maximum of 10% penalty is chargeable. The supply order will be liable for instant cancellation beyond permissible delay.

24. Freight and Insurance: The items to be supplied will be insured by the vendor at his own cost against all risks of loss or damage from the date of shipment till such a time it is delivered at NIPER-Guwahati.

25. All disputes shall be settled in the courts of Guwahati Jurisdiction only.

26. Insurance: The institute requires insurance coverage on a warehouse-to-warehouse basis to cover all types of *en-route* risks. In other words, the insurance coverage starts from manufacturer's premises to NIPER-Guwahati premises. In order to ensure lodging insurance claim within stipulated time, supplier's authorized representative must be present in the institute

on the day of delivery of the consignment, to check the package/s to ensure that the same is received without any externally visible damages. The supplier has to arrange for customs clearance from destination airport in India and arrange for its safe onward transmission to NIPER- Guwahati. The Institute will provide connected documents like Duty Exemption certificate FOR availing Duty Exemption, Authorization letter etc. It may further ensure that Insurance coverage should be from the supplier's warehouse to NIPER-Guwahati Institute premises and should not end at destination port of clearance.

27. **Acceptance of the terms and conditions of tender document:** Bidders are expected to provide a certificate that all the terms and conditions of enquiry are accepted.
28. **Correspondence:** All the correspondence related to the procurement should be addressed to Director, NIPER-Guwahati till placement of order, who is the final deciding authority and whose decisions are final.
29. **Relaxation:** Director, NIPER- Guwahati reserves the right to relax any of the conditions in exceptional cases, in the best interest of NIPER-Guwahati. NIPER -Guwahati reserves the right to withdraw the tender in whole or part at any stage without assigning any reason.

Note: To compare the cost with other competitive suppliers the suppliers are expected to offer FOR-NIPER Guwahati all-inclusive cost. It is not possible either for Supplier or for the institute to add any price component after opening the commercial bids. In case of no indication given, the quoted rate would be treated as FREE delivery (All-inclusive cost up to NIPER-G). Supplier may please note this condition.


Stores & Purchase Officer



Annexure-I

Manufacturer's Authorization Form

To
The Director
National Institute of Pharmaceutical Educational Research (NIPER)-Guwahati,
Sila Katamur , Halugurisuk,
Changsari, Kamrup , Assam-781101,
Near Dr. Bhupen Hazarika Regional Govt. Film & Television Institute.

Ref: Enquiry: NIPER-G/S&P/143/EQP/IVC Exhaust Line/2023-24/.....³⁹⁴ dated 23/02/2024

We,, who are proven and reputable
Manufacturer/exclusive distributors of (Name and
description of the goods offered in the Bid) having factories/office at
..... hereby authorize M/s
..... (name and
address of the agent) to submit a Bid, against your requirement as contained in the above referred
Bidding Documents for the above goods manufactured/ distributed by us.

We further confirm that no supplier or firm or individual other than M/s. (name and address of the
above agent) is authorized to submit a Bid, against your requirement as contained in the above referred
Bidding Documents for the above goods manufactured by us.

***In case the above is challenge / proved to be false at a later date we will be held personally responsible
and we are fully aware of consequences***

We also hereby extend our full warranty of _____ from acceptance of goods by Purchaser
as per Clause 6 of General Terms & Conditions. We further confirm that we shall continue to supply
spare parts, for 03 years after guarantee/warranty.

Yours faithfully, [Signature with date, name and designation]
For and on behalf of M/s. [Name & address of the manufacturers].

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be
signed by a person competent and having the power of attorney to legally bind the manufacturer.

Annexure-II

OEM Form

(To be printed on Company's Letter Head)

To
The Director
National Institute of Pharmaceutical Educational Research (NIPER)-Guwahati

Ref: Enquiry: NIPER-G/S&P/143/EQP/IVC Exhaust Line/2023-24/.....³⁹⁴ dated 23/02/2024

We,who are proven and reputable
Manufacturer of (Name and description of the
goods offered in the Bid) having factories/office at
to submit a Bid, against your requirement as contained in the above referred Bidding Documents
for the above goods manufactured by us. We further confirm that no supplier or firm or individual
is authorized to submit a Bid, against your requirement as contained in the above referred Bidding
Documents for the above goods manufactured by us.

We also hereby extend our full warranty of _____ from acceptance of goods by
Purchaser as per Clause 6 of General Terms & Conditions of contract. We further confirm that
we shall continue to supply spare parts, for 03 years after guarantee/warranty.

***In case the above is challenge / proved to be false at a later date we will be held personally responsible
and we are fully aware of consequences***

Yours faithfully,

[Signature with date, name and designation]

Annexure-III

*FINANCIAL BID – To be printed on company's letter head
(To be put in a sealed envelope and marked as "Financial Bid")*

Enquiry No: NIPER-G/S&P/143/EQP/IVC Exhaust Line/2023-24/.....³⁹⁴ dated 23/02/2024

Bidder Name & Address:.....

Sl. No.	Description of the item	Qty	(A) Unit Price per Item	(B) GST (In Rs.), if applicable	(C) Freight/F.O.R/transport/delivery & Installation CHARGES & all other charges (In Rs.), If applicable	(A+B+C) Offered Price (In Rs.)
01	IVC Exhaust Line (As per specifications and layout)	1				

Total Bid price in Indian Words _____

Signature of Bidder _____

Name _____

Business Address _____

Note:

- (a) The cost of optional items shall be indicated separately.
(b) Cost of Spares, if any _____

TOTAL F.O.R. NIPER GUWAHATI ALL INCLUSIVE COST FOR COMPARISON PURPOSE:-

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA

(Commercial bid)

Name of the Bidder _____

Enquiry No. _____

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country of origin	Unit	Qty.	Unit Price	GST (In Rs.), if applicable	Packing & forwarding & Transportation, Insurance and all other charges up to station of dispatch, If any	Installation, commissioning and training charges, if any	Total Price (6+7+8+9)	AMC for 4 and 5 years shall be quoted in percentage of the total value

Total Bid price in Indian Currency (in Words) _____

Signature of Bidder _____

Name _____

Business Address _____

Note:

(a) The cost of optional items shall be indicated separately.

(b) Cost of Spares, if any _____

FINAL TOTAL ALL INCLUSIVE NIPER-GUWAHATI LANDED
COST.....

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD (Commercial bid)

Name of the Bidder _____

ENQUIRY No. _____

1	2	3	4	5	6*		7*		8*		9*		10	11
Sl. No.	Item Description	Count of origin	Unit	Quantity	Unit price		Total price (5x6)		Charges for Insurance & transportation to port//place of destination		Total price (7+8)		Indian Agents Commission as a percent of FOB /FCA price included in the Quoted price	Appx. Shipment weight and volume
					FOB (named port of shipment)	FCA (named place of delivery)	FOB (named port of shipment)	FCA (named place of delivery)	Ocean	Air	CIF	CIP		

Total Bid price in foreign currency (in words) _____

Note:

Currency _____

Signature of Bidder _____

a) Indian agents name & address _____

Name _____

b) Installation, commissioning & training charges, If any _____

Business Address _____

c) Cost of Spares, if any _____

d) The Indian agent's commission shall be paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents in accordance with clause 22.1 of GCC.

e) The cost of optional items shall be indicated separately.

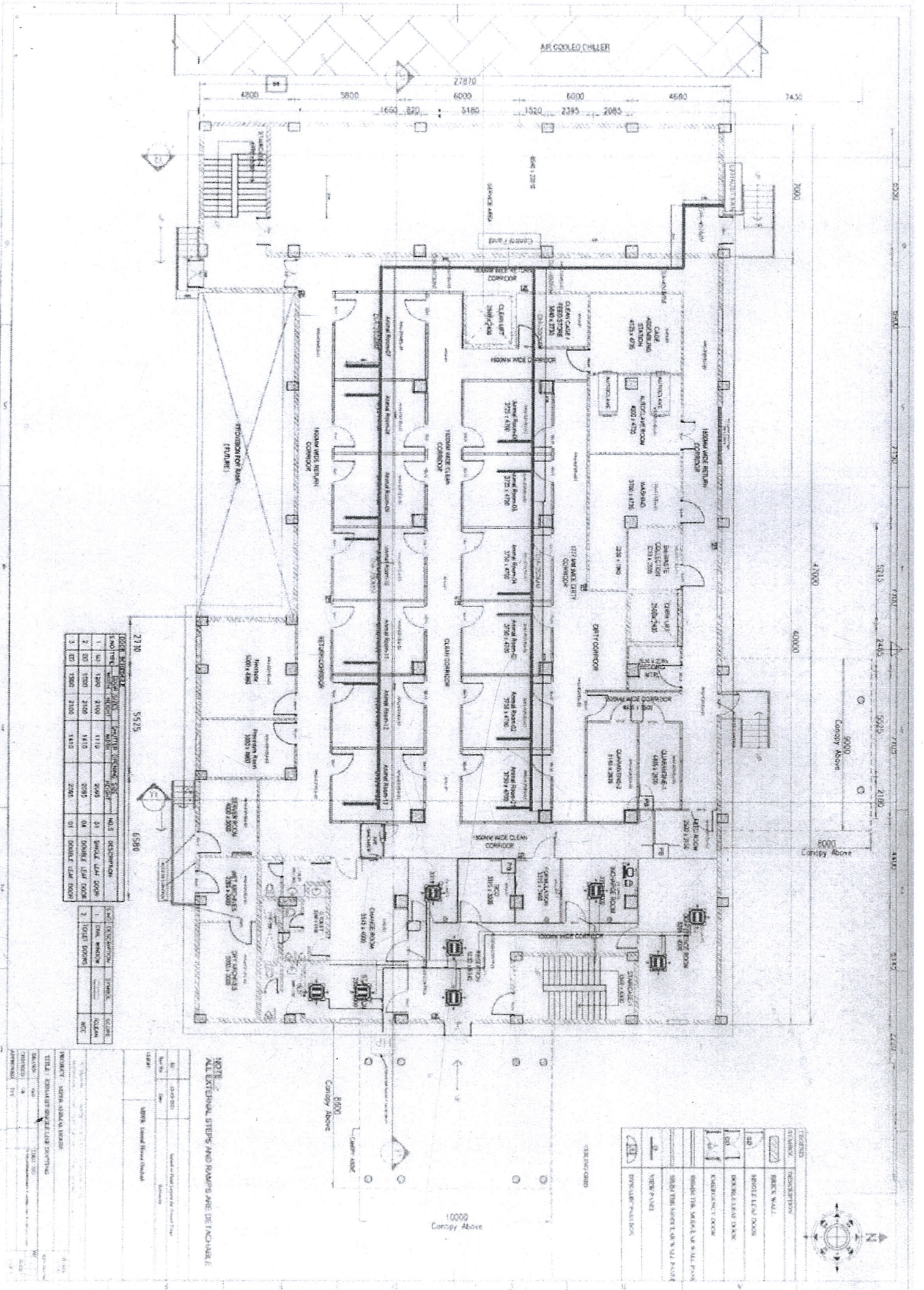
FINAL TOTAL ALL INCLUSIVE NIPER-GUWAHATI LANDED
COST.....

Annexure-IV

TECHNICAL SPECIFICATIONS FOR IVC EXHAUST LINE

1.	In-Line Exhaust Fans	
a	IVC Exhaust Fan; 2600 CMH/ 1530 CFM @ 30 mm of WCstatic pressure,	
2.	PVC Pipe for IVC Exhaust	Quantity
a	Ø 450 mm	24 mtr
b	Ø 400 mm	0 mtr
c	Ø 350 mm	30 mtr
d	Ø 300 mm	18mtr
e	Ø 250 mm	36 mtr
f	Ø 200 mm	0 mtr
g	Ø 150 mm	48 mtr
	PVC Pipe Damper for IVC Exhaust	Quantity
a	Ø 450 mm	2
b	Ø 350 mm	1
c	Ø 300 mm	1
d	Ø 150 mm	13
3.	Electrical System for Exhaust System	
a	Free standing, floor mounted panel made of 2mm thick CRCA sheet duly powder coated after seven tank process consisting of suitable rating Incomer, Aluminum bus bar supported with DMC/ SMC barriers & color coded with heat shrinkable sleeves, metering and outgoing feeders.	
4	Control/Power Cables	Quantity
a	1.1KV, LT XLPE/PVC insulated, and PVC sheathed armoured cables per IS 7098/1554: 3C X 2.5Sqmm YWY	40 mtr
5	Terminations	Quantity
a	Termination of cables with brass double compression glands, lugs/ferrules, solder, cable sockets, insulation tapes, etc.: 3C X 2.5Sqmm YWY	04
6	Cable Trays GI Perforated or ladder-type	Quantity
a	Hot dipped galvanised, minimum thickness of hot dip coating is 70 to 100 microns the cable tray standard length: 2500mm long and suitable to couple two cable trays with coupler.	
b	50mm(W) X 50mm(H) X 1.6mm(T) perforated type cable tray	30 mtr

AIR COOLED CHILLER



NO.	DESCRIPTION	QTY	UNIT	AMOUNT
1	SHIELD LIFT DOOR	119		595
2	DOUBLE LIFT DOOR	143		286
3	DOUBLE LIFT DOOR	205		410

NO.	DESCRIPTION	QTY	UNIT	AMOUNT
1	SHIELD LIFT DOOR	119		595
2	DOUBLE LIFT DOOR	143		286
3	DOUBLE LIFT DOOR	205		410

NOTE: ALL EXTERNAL STAIRS AND RAMPS ARE DETACHABLE

SYMBOL	DESCRIPTION
[Symbol]	BRICK WALL
[Symbol]	INSULATED DOOR
[Symbol]	GLASS DOOR
[Symbol]	GLASS WINDOW
[Symbol]	GLASS PARTITION



