



Kamala Nehru College
Estd. 1964

KAMALA NEHRU COLLEGE
(UNIVERSITY OF DELHI)

**August Kranti Marg,
New Delhi-110049.**

Website : www.knc.edu.in,
e-mail : office@knc.du.ac.in
Tel. No. 011-26494881

TENDER DOCUMENT

FOR

**Supply, installation, testing and commissioning of HVAC Duct work
system at Kamala Nehru College Auditorium**

TENDER NO.: KNC/EP/HVAC/2024/

Submitted for perusal & approval please

DA
So

As

Heritage Conservation
and
Design Centre
83 Kamayani Kanti St. P Extension
Delhi

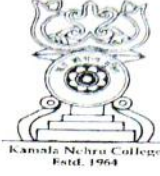
James Douglas
College Architect

So

*Discussed with Principal madam, considering
the urgency, please reduce the tender
time by 10 days (copy of see order
seen 8.01)*

**PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49**

[Signature]



KAMALA NEHRU COLLEGE
(UNIVERSITY OF DELHI)
August Kranti Marg,
New Delhi-110049.

Website : www.knc.edu.in,
E-mail : office@knc.du.ac.in
Tel. No. 011-26494881

TENDER NO.: KNC/EP/HVAC/2024/

Issued to: M/s

Date:

Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium

Sir,

With reference to your letter cited on the above-mentioned subject, please find enclosed herewith one set of tender documents for the subject work. You are requested to go through the terms and conditions carefully and also visit/inspect the site to familiarize and submit your tender as per procedure explained in the tender document.

The last date for receipt of tender is upto 3:00 PM at Kamala Nehru College and tender (Part-1 only) will be opened on at 3:30 PM at , Kamala Nehru College.

Issuance of tender document will not construe that such bidders are automatically considered qualified.


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49



Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium

PART – I

TECHNICAL BID

NOTICE INVITING TENDER

Kamala Nehru College invites sealed tenders in two cover system from the firm having valid registration in appropriate Class with CPWD, MES, Railways or any Central / State Govt. Organization for the following work:-

Name of work	Estimated cost (Rs.)	EMD (Rs.)	Time for completion	Last Date of sale of Tender Document	Last date and time of receipt & opening of tender.
Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditoriumlakhs	...lakhs	3 Months		

Detailed NIT eligibility criteria and tender document along with Instruction to the Bidders can be seen at KNC website i.e. www.knc.edu.in , & Delhi University website i.e. www.du.ac.in


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49

FORM OF TENDER

To,

The Principal,
Kamala Nehru College,
University of Delhi,
August Kranti Marg,
New Delhi - 110049

Name of Work: Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium

Sir,

1. Having visited the site and examined the General, Special and other Conditions of contracts, General specifications and Detailed specifications, Schedules and Bill of Quantities alongwith all appendix and annexure for the above work, I/We offer to execute the above said work in conformity with the said Conditions of Contract, Specifications, Schedule of quantities for the sum as stated in Bill of quantities of this tender Document or such other sum as may be ascertained in accordance with the said conditions of contract.
2. I/We undertake to complete and deliver the whole of the work comprised in the tender within the time as stated in the tender and also in accordance with the specifications, conditions and instructions as mentioned in the tender documents.
3. I/We have independently considered the number of Liquidated Damages shown in the tender hereto and agree that it represents a fair estimate of the loss likely to be suffered by KNC in the event of works not being completed in time.
4. I/We agree to abide by this tender. I/We agree to keep the tender open for a period of 90 days from the date of opening of price bids or extension thereto as required by the KNC and not to make any modifications in its terms and conditions.
5. A sum or Rs.....(Rupees) is hereby forwarded in the form of Demand Draft no..... dated issued by (name & branch of bank) payable at as earnest Money. I/We agree, if I/We fail to keep the validity of the tender open as aforesaid or I/we make the modifications in the terms and conditions of my/our tender or I/we fail to commence the execution of the works as above than I/We shall become liable for forfeiture of my/our Earnest money, as aforesaid and KNC shall without any prejudice to another right or remedy, be at the liberty to forfeit the said Earnest Money absolutely otherwise the said earnest money shall be retained by KNC towards part of security deposit to execute all the

works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered. Should this tender be accepted, I/We agree to abide by and fulfil all the terms and conditions and provisions of this tender. No interest is payable on earnest money deposit and/or security deposit.

6. If this tender is accepted, I/We undertake to enter into, at my/our cost when called upon by the employer to do so, a contract agreement in the prescribed form. Unless and until a formal agreement is prepared and extended this tender together with your acceptance thereto shall constitute a binding contract.

7. I/We agree that if my/our tender is accepted, I/We am/are to be jointly and severally responsible for the due performance of the contract.

8. I/We understand that you are not bound to accept the lowest or any tender you may receive and may reject all or any tender without assigning any reason.

9. I/We are enclosing herewith "Time Activity Schedule" so as to complete the work within stipulated time.

10. I/We confirm that all statements documents, information submitted/given with this tender or in support of tender is/are true, genuine, authentic, legitimate and valid. I agree that at any time before award of work or after award to selected/successful bidder in case any of these statement document, information is/are found incorrect, false, willful misrepresentation or omission of facts or submission of false/forged documents, the EMD/Security deposit submitted by me/us shall be forfeited by KNC.

11. I/We certify that the tender submitted by me/us is strictly in accordance with the terms, conditions, specifications etc. as contained in the tender document, and it is further certified that it does not contain any deviation to the aforesaid documents.

Date

Signature

Name

Designationduly

authorized to sign & submit tender for an on behalf of

(Name and address of firm)

M/s

.....

.....

Telephone Nos.

FAX No.

Witness:

Signature:

Name :

Occupation:

Address:
..... Telephone nos.:
.....

INSTRUCTION FOR SUBMISSION OF BID

1. All covering letters and information to be included in the bid shall be submitted along with the bid itself.

Tender should be submitted in two covers viz. separate sealed Envelope-1 (containing technical bid) and Envelope-2 (containing price bid) and both of these covers should be placed in an envelope duly super scribing clearly the name of the work "**BID FOR Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium**" and "**TO BE OPENED BY THE ADDRESSEE ONLY**" written prominently. The full name, postal address and Telex/telegraphic address of the Bidder shall be written on the bottom left-hand corner of the sealed envelope. Further envelope containing each part shall be superscripted as under:

3. The first cover/envelope containing Part-1 shall be submitted along with the following documents and the cover should be super scribed with "**ENVELOPE-1: TECHNICAL BID**
Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium

 - a) Original bid document duly filled in and completed in all respects except prices, signed with rubber seal on each page as a proof of acceptance.
 - b) Earnest Money Deposit (Demand Draft)
 - c) Memorandum of Association & Article of Association/Partnership deeds, as applicable.
 - d) Copy of document in proof of registration as air-conditioning contractor in appropriate Class with CPWD, MES, Railways/University and their colleges or any Central / State Govt. Organization. Description of the bidders works experience of similar nature during last five years along with documentary proof.
 - e) Balance Sheet and the Profit & Loss Account together with Tax Audit Report duly certified by a firm of Chartered Accountant for the last 3 financial years.
 - f) Bidder shall furnish list of the supervisory persons and other technical persons he wish to deploy in this job along with their experience details.
 - g) Letter of Authority for signing and negotiation of bid.
 - h) Document in the respect of PAN, service tax, VAT number/registration.
 - i) Solvency certificate from any nationalized /scheduled bank.
 - j) Receipted copy of the return of Income filed with Income Tax Authority for last 3 years.

- k) Received copy of Return of Employees Provident Fund (EPF) for last three years.
- l) Any additional relevant information to be furnished by the bidder.

The Second cover containing Part-2 shall be submitted along with the following documents and the cover should be super scribed with “**ENVELOPE-2: PRICE BID** Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium

It may please be noted that: -

- (a) The price bid part shall not contain any terms and conditions whatsoever. These, if any, must be brought out in Part- I only. Any condition given in the price bid will not be taken into account and it will be sufficient cause for rejection of bid.
 - (b) Price bids of only those bidders whose technical and commercial proposals are complete and found acceptable, shall be opened in the presence of bidders or their authorized representatives who may like to be present, on a suitable date to be intimated to such tenderers separately.
4. Bidders are advised to submit their offers strictly based upon the detail terms and conditions contained in “INSTRUCTION TO BIDDERS” being a part of this tender document and not to stipulate any deviations. Should it, however, become unavoidable, deviations should be stipulated in part – I of the tender. KNC reserves the right to evaluate bids containing such deviations and accept or reject any part or whole of the same without showing any reason whatsoever.
 5. KNC reserves the right to reject any or all bids without assigning any reasons.
 6. Bids received late at KNC’s office after the stipulated last date and time for receipt of bids due to any reason whatsoever, will not be considered. Bids shall be adjudged as non-responsive due to any of the following reasons:
 - (a) Bids submitted after the due date and time.
 - (b) Bids submitted without Earnest money,
 - (c) Bids submitted without certificate(s) in respect of the financial and technical qualification criteria.
 - (d) Bids submitted without documents to establish the eligibility criteria.
 - (e) Bids submitted without photocopies of the receipted copies of VAT, IT and PF Returns from the respective Competent Authority.
 - (f) Qualified Price Bid.
 - (g) Any other reason as applicable.
 7. The bid can only be submitted in the name of the bidder in whose name the bid documents are issued by KNC.

8. Any annotation or accompanying documentation in the bid shall be in Hindi or English language only and in metric system. Bid filled in any other language will be summarily rejected.
9. The firms interested in the work must have a good track record and must not have been black-listed by any Government Organization/ PSUs / Statutory Body / Major Ports in course of last 5 years. Bids of such black listed firms will not be considered by the Authority. The intending tenderers must have positive net worth as on 31.03.2024. This fact should be certified by a Chartered Accountant. The tenderer must also submit banker's certificate along with the offer regarding the financial credibility/solvency of the firm.
10. Bidder shall sign their proposal with the exact name of the firm to whom the bid document has been issued. The bid shall be duly signed and sealed by an authorized person of the bidders' organization as following:
 - (a) If the Tender is submitted by an individual, it shall be signed by the proprietor above his full name and full name of his firm with its current business address.
 - (b) If the Tender is submitted by the proprietary firm, it shall be signed by the proprietor above his full name and full name of his firm with its name and current business address.
 - (c) If the Tender is submitted by a firm in partnership, it shall be signed by all the partners of the firm above, their full names and current business address, or by a partner holding the power of attorney for the firm for signing the Tender in which cases a certified copy of the power of attorney shall accompany the Tender.
 - (d) A certified copy of the partnership deed and current business address of all the partners of the firm shall also accompany the Tender.
 - (e) If the Tender is submitted by a limited company, or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for signing the tender in which case a certified copy of the power of attorney shall accompany the Tender. Such limited company or corporation may be required to furnish satisfactory evidence of its existence before the contract is awarded. „Satisfactory evidence“ means the certificate of incorporation of the limited company or corporation under Indian Companies Act, 1956.
 - (f) Two or more firms interested in work may also submit joint bid. In such case, all the firms have to submit a memorandum of understanding along with the joint bid. In that case, the lead partner will sign all tender documents. The sponsoring firm/lead partner shall submit complete information pertaining to each firm in the group and state along with the bid as to which of the firm shall have the responsibility for

tendering and for completion of the contract document and furnish evidence admissible in law in respect of the authority assigned to such firm on behalf of the group of firms for tendering and for completion of the contract document. The full information and satisfactory evidence pertaining to the participation of each member of the group of firms in the firm in the Tender shall be furnished along with the Tender.

11. Bidders shall clearly indicate their legal constitution and the person signing the bid shall state his capacity and also the source of his ability to bind the bidder. The power of attorney or authorization or any other document constituting adequate proof of the ability of the signatory to bind the bidder shall be annexed to the bid. The owner may reject outright any bid unsupported by inadequate proof of the signatory's authority.
12. The bid document shall be completed in all respects and shall be submitted together with the requisite information and appendices. They shall be completed and free from ambiguity, change or inter-lineation.
13. If the space in the bid form or in the Appendices thereto is insufficient, additional pages shall be separately added. These pages shall be page numbered & signed by the Bidder.
14. Bidder shall set their quotation in firm figures and without qualification. Each figure stated should also be repeated in words and in the event of any discrepancy between the amounts stated in figures and words, the amount quoted in words shall be deemed the correct amount. Bid containing qualifying expressions such as "subject to minimum acceptance" or "subject to availability of material / equipment" etc. is liable to be rejected.
15. KNC shall have a unqualified option under the said bid bond to forfeit the EMD in the event of Bidder failing to keep the bid valid upto the date specified or refusing to accept work or carry it out in accordance with the bid if the KNC decides to award the work to the Bidder.
16. The EMD shall be retained with the KNC until finalization of tenders. If any statements documents/information submitted by tenderer is found false/incorrect, willful misrepresented or omission of facts or fake/forged documents, the EMD shall be forfeited.
17. KNC shall, however, release the EMD in respect of unsuccessful bidders within 30 (thirty) days of placement of order to successful bidder. EMD of successful bidder will be converted into security refundable deposit. In case of any breach of contract, EMD will be forfeited.
18. The EMD shall be retained with the KNC until finalization of tenders. Further, security deposit as per the clause of Security shall be payable by the successful bidder. If the tenderer fails to furnish the security deposit or performance guarantee in accordance with tender conditions, EMD shall be forfeited. In the event of the Bidder becoming the successful Contractor. The amount of EMD would be adjusted against the Security deposit.

19. KNC shall, however, arrange to release the EMD in respect of unsuccessful bidders within 30 (thirty) days of placement of order to successful bidder. No interest shall be payable on EMD by KNC.


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49



DEFINITIONS

1. The contract means the documents forming the tender and acceptance thereof and the format agreement executed between the Competent Authority on behalf of the Principal Kamala Nehru College, together within the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-charge and all these documents taken together shall be deemed to form one contract and shall be complementary to one another.
2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them;
 - (i) The expression work or work shall unless there be something either in the subject or context repugnant to such constructions be construed and taken to mean the works by or by virtue of the contract to be executed whether temporary or permanent, and whether originally offered substituted or additional.
 - (ii) The „Contractor“ shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
 - (iii) The “Employer” means the Principal, Kamala Nehru College.
 - (iv) The „Engineer/ Engineer-in-charge“ means the Engineer officer who shall supervise and be in charge of the work and who shall sign the contract on behalf of the Employer.
 - (v) “Engineer-in-charge representative” shall mean any officer of the Authority nominated by the Engineer to work on his behalf for supervision, checking, taking measurement, checking bills ensuring quality control, inspecting works, issue instructions and other related works for completion of the project.
 - (vi) The term „Day“ shall mean a calendar day beginning and ending at midnight.
 - (vii) The term „Week“ shall mean seven consecutive calendar days.
 - (viii) The term „Month“ shall mean the English calendar month.
 - (ix) Excepted Risk are risks due to riots (other than those on account of contractors employees) war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, any act of Govt. damages, acts of God, such as earthquake, lightning and unprecedented flood, and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or

occupation by Govt. of the part the works in respect of which a certificate of completion has been issued or a cause solely due to Govt., faulty design of works.

- (x) Market rate shall be as decided by the Engineer-in-charge on the basis of the cost of materials and labour at the site where the work is to be executed plus and percentage mentioned in tender to cover all overheads and profits.
- (xi) Schedules referred to in these conditions shall mean the relevant schedules annexed to the tender papers or the standard schedule of rates of the Govt. mentioned with the amendments thereto issued up to the date of receipt of the tender.
- (xii) District specifications mean specifications followed by the State Government in the area where the work is to be executed.
- (xiii) Tendered value means the value of the entire work as stipulated in the letter of award.


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49




Integrity Pact

To,

M/s
.....
.....
.....
.....

Sub: - Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium

Dear Sir,

It is hereby declared that KNC is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the KNC.

Yours faithfully

Principal (offg.)

To,

The Principal,
Kamala Nehru College,
University of Delhi
August Kranti Marg,
New Delhi - 110049

Sub: Supply, installation, testing and commissioning of HVAC Duct work system at Kamala Nehru College Auditorium.

Dear Sir,

I/We acknowledge that KNC is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process.

I/We acknowledge that the making of the bid shall be regarded as an unconditional and absolute acceptance of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by KNC. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, KNC shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder(s))

To be signed by the bidders' and same signatory competent/authorised to sign the relevant contract on behalf of Kamala Nehru College.

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this Day of..... 20.....

BETWEEN

Principal, Kamala Nehru College, (University of Delhi), August Kranti Marg, New Delhi - 110049

KNC, (Hereinafter referred as the „Principal/ Owner“, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
(Name and Address of the Individual/Firm/Company)

through(Hereinafter referred to as the
(Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender [NIT No. KNC/EP /HVAC / 2024/.....] (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for “Supply, installation, testing and commissioning of HVAC.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

GENERAL CONDITIONS

1. All supplies proposed to be obtained on contract are as notified in Notice Inviting Tender published in newspapers.

This form will state the supplies to be made as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of the earnest money to be deposited with the tender and the amount of the security deposit to be deposited by the successful tender and the percentages, to be deducted from bills, copies of the specifications and any other documents required in connection with the work, signed for the purpose of identification by the Engineer-in-charge. These documents shall also be open for inspection by the contractor at the office of the Kamala Nehru College during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each member thereof, in the event of the absence of any partner, it must be signed on his behalf by a person holding a valid power of attorney authorizing him to do so, such power of attorney shall be produced with the tender and it must disclose that the firm is duly registered under the Indian Partnership Act.
3. Receipts for payment made to a firm must also be signed by the several partners except where the contractor is described in their tender as a firm, in which case the receipt must be signed in the name of firm by one of the partners, or by some other person having authority to give effectual receipts for the firm.
4. Any person who submits a tender shall fill up the supplied form stating at what rate he is willing to undertake each item of the work. Tenderers who propose alteration in the work specified in the said form of invitation to tender or in the time allowed for carrying out the work or which contain any other conditions of any sort will be liable for rejection. No single tender shall include more than one work, but contractors wish to tender for two or more works shall submit a separate tender for each. Tenders shall have the name and number of the work to which they refer written outside the envelope.
5. The Engineer-in-charge or his duly authorized representative will open tenders in the presence of any intending bidders who may be present at the time, and will enter the amounts of the several tenders in a Comparative Statement in a suitable form. In the event of a tender being accepted a receipt for the earnest money forwarded therewith shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign, copies of the specification and other documents mentioned in rule 1. In the event of a tender being rejected the earnest money forwarded with such unaccepted tender shall thereupon be returned to the respective bidder.
6. The officer inviting tenders shall have the right of rejecting any or all of the tenders without assigning any reason and will not be bound to accept the lowest tender.
7. The receipt of the Finance Department for any money paid by the contractor will be considered as payment to the Engineer-in-charge and the contractor shall be responsible for

seeing that he produces a receipt signed by the Engineer-in-charge or the authorized signatory of Kamala Nehru College.

8. The person/persons, whose tender(s) may be accepted (herein after called the contractor) shall permit KNC/Govt. at the time of making any payment to him for work done under the contract to deduct such sum as long with the sum already deposited as earnest money will amount to 5% of the total cost of the work. Such deduction to be held by Govt. by way of security deposit provided always that the Govt. for this purpose should be entitled to recover the amount from each running bill unit the balance of the amount of security deposit is realized. All compensation or other sums of money payable by the contractor under the terms of this contract may be deducted from or paid by the sale of a sufficient part of his security deposit. In case security deposit is reduced by reasons of any deductions or sale as aforesaid the contractor shall within 10 days make good in cash or demand draft in favour of the Kamala Nehru College. The security deposit shall be collected from the running bills of that contractor at the rates mentioned above and the earnest money if deposited at the time of tender will be treated as part of security deposit. No interest shall be payable on security deposit or Earnest Money Deposit.
9. The Security Deposit of Contractor shall not be refunded before the expiry of guarantee period stipulated in the contract.


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49



SPECIAL CONDITION

1.0 Rates:

- 1.1 The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including works contract taxes), duties and levies, octroi and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site i/c temporary constructional storage, risks, overhead charges general liabilities/obligations and clearance form local authorities. However, the fee for inspections shall be borne by the department.
- 1.2 The contractor has to carry out routine & preventive maintenance for 12 months from the date of handing over. Nothing extra shall be paid.

2.0 Payment

- 2.1 The payment will be made only for the quantity actually executed and certified.
- 2.2 Payment will be made on completion of each item of work. However, payment of part quantity would be considered. Contractor shall submit their running bill for the payment after the measurement is recorded by the representative of the Engineer-in-charge in the measurement books. Part rate payment will not be permitted.
- 2.3 Necessary deduction for Security Deposit, TDS etc. shall be made from the bills.

3.0 Period of Completion

The completion period of 3 Months indicated in the tender documents is for the entire work of planning, designing, supplying, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge.

4.0 Performance Guarantee:

- 4.1 The tenderer shall guarantee among other things, the following
- (a) Quality, strength and performance of the materials used.
 - (b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.
 - (c) Satisfactory operation during the maintenance period.
- 4.2 The successful tenderer shall submit an irrevocable performance guarantee of 5% of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement within 15 days of issue of letter of intent. This guarantee shall be in the form of government securities of fixed deposit receipts or guarantee bonds of any scheduled bank or the State Bank of India in the specified format. The performance guarantee shall be initially valid up to the stipulated date of completion

plus 12 months beyond. This bank guarantee shall be kept valid till the recording of completion certificate for the work by the Competent Authority.

5.0 Guarantee

5.1 All equipment's shall be guaranteed for a period of 12 months form the date of taking over the installation by the department against unsatisfactory performance and /or break down due to defective design, workmanship of material. The equipment's of components, or any part thereof, so found defective during guarantee period shall be forth with repaired or replaced free of cost, to the satisfaction of the Engineer-in-charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final.

After Award of work

- (i) The successful tenderer would be required to submit the following drawings/documents within 15 days of award of work for approval before commencement of installation.
 - (a) All general arrangement drawings.
 - (b) Details of foundations for the equipment, load, location etc. of various assembled equipment as may be needed generally by other agencies for purpose of their work. lift well etc.
 - (c) Complete layout dimensions for every unit/group of units with dimensions required for erection purposes.
 - (d) Any other drawing/information not specifically mentioned above but deemed to be necessary for the job by the contractor.

9.0 The successful tenderer should furnish well in advance three copies each of detailed instructions and manuals of manufactures for all items of equipment's regarding installation, adjustments operation and maintenance i/c preventive maintenance & trouble shooting together with all the relevant data sheets, spare parts catalogue and workshop procedure for repairs, assembly and adjustment etc. all in triplicate.

10.0 Extent of work

10.1 The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the department. The terms complete installation shall not only mean major items of the plant and equipment's covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charges whether or not those have been mentioned in details in the tender document in connection with this contract.

10.2 Minor building works necessary for installing of equipment, foundation, making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc. as required.

10.3 Maintenance (Routine & Preventive) for one year from date of completion and handing over.

10.4 The work is a turnkey project. Any item required for completion of the project but left inadvertently shall be executed with in the quoted rates.

11.0 Inspection and testing:

11.1 Copies of all documents of routine and type test certificates of the equipment, carried out at the manufacturer's premises shall be furnished to the Engineer-in-charge and consignee.

11.2 After completion of the work in all respect the contractor shall offer the installation for testing and operation.

12.0 Validity

Tenders shall be valid for acceptance for a period of 90 days from the date of opening of price bid.

13.0 Compliance with regulations and Indian standards

13.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

- (i) Factories Act.
- (ii) Indian Electricity Rules.
- (iii) IS & BS Standards as applicable.
- (iv) Workmen's compensation Act.
- (v) Statutory norms prescribed by local bodies like Delhi etc.

13.2 Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

13.3 Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tenderer liable for penalty of Rs. 50/- for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

14.0 Indemnity

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising therefrom during the period of erection, construction and putting into operation the equipment's and ancillary equipment under the supervision of the successful tenderer in so far as the latter is

responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

15.0 Erection Tools No tools and tackles either for unloading or for shifting the equipment's for erections purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

16.0 Cooperation with other agencies

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of building, if any, exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself.

17.0 Mobilization Advance

No mobilization advance shall be paid for this work.

18.0 Insurance and Storage

All consignments are to be duly insured the cost of the supplier. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

19.0 Verification of correctness of Equipment at Destination

The contractor shall have to produce all the relevant records to certify that the genuine equipment from the manufactures has been supplied and erected.

20.0 Training

The scope of works includes on job technical training of two persons at site. Nothing extra shall be payable on this account.

21.0 Maintenance

21.1 Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of one year from the handing over of the installation.

21.2 The maintenance, routine as well as preventive for one year from the date of taking over the installation as per manufacturer's recommendation shall be carried out and the record of the same shall have to be maintained.

22.0 Interpreting Specifications

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

- (a) Schedule of quantities
- (b) Technical specifications
- (c) Drawing (if any)
- (d) General Specifications
- (e) Relevant IS or other international code in case IS code is not available.

23.0 Specifications

The work shall be carried out as per CPWD General Specifications for HVAC works 2004 as amended upto date along with the following changes, CPWD General Specifications for Electrical Works Part – I, II & IV as amended upto date, relevant IE rules, and as per directions of Engineer-in-charge. For electrical panels, CPWD General Specifications for Electrical Works Part – IV shall be applicable.

24.0 Programme Chart

- 24.1 The Contractor shall prepare an integrated programme chart in MS Project software for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier and submit the same for approval to the Engineer-in-Charge within ten days of award of the contract. **A recovery of Rs. 1000/ shall be made on per day basis in case of delay** in submission the above programme subject to a max. of **Rs. 20,000/-**.
- 24.2 The programme chart should include the following:
- Descriptive note explaining sequence of the various activities.
 - Network (PERT / CPM / BAR CHART).
 - Programme for procurement of materials by the contractor.
 - Programme of procurement of machinery / equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.
- 24.3 If at any time, it appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved programme referred above, the contractor shall produce a revised programme showing the modifications to the approved programme to ensure completion of the work. The modified schedule of programme shall be approved by the Engineer in Charge.
- 24.4 The submission for approval by the Engineer-in-Charge of such programme or the furnishing of such particulars shall not relieve the contractor of any of the duties or responsibilities under the contract. This is without prejudice to the right of Engineer-inCharge to take action against the contractor as per terms and conditions of the contract.
- 24.5 Contractor shall give the Engineer-in-charge **on 5th day** of each month a progress report in MS Project with base line programme referred above for the work done during previous month.

GENERAL SPECIFICATION

The specifications given hereunder relate to the supply, installation, testing and commissioning of HVAC system using Variable Refrigerant Flow (VRF) system and shall be read in conjunction with the appropriate International & Indian Standard Specifications.

2.0 Site

A comfort air conditioning system using variable refrigerant flow (VRF) system has been designed for Kamala Nehru College to provide summer/monsoon cooling and winter heating.

The design also envisages mechanical ventilation for toilets and other areas.

3.0 Scope of Work

As per BOQ

7.0 Heat Loads

Based on the Architectural layouts and above design data, the Heat Loads for the various spaces to be air-conditioned have been worked out and the heat load results and maximum demand have been furnished below:

10.0 Noise Level

Noise level in conditioned spaces due to all refrigeration and air conditioning equipment shall not exceed 48 dB at 125 Hz when measured at any point in occupied spaces less than 150 cm above floor level and not closer than 150 cm from any supply air register or 60 cm from any return air grille.

11.0 Engineering Responsibility of the System

- a. The responsibility of system design, manufacturing, erection, working and safety will solely be responsibility of the Contractor for the parameters as mentioned in the tender documents prepared by the Consultants.
- b. The system after commissioning shall be handed over to the Owners and thereafter they will monitor the performance for standard designed parameters for 30 days continuously. In case during this period the performance is not found satisfactory and rectification/ replacement, design improvement or any other change as felt necessary, will be made by the Contractor at no extra cost. Though these improvements can only be done after getting the approval from the Owners/ Architects.

12.0 Schedule and Manner of Operations

Time being the essence of this contract, the Contractor will be expected to furnish all labor and materials in sufficient quantities and at appropriate times, expedite and schedule the work as required and so manage the operation that the work will be completed within the

time stated in the contract. In addition to providing a detailed time and progress schedule, the Contractor shall submit an outlined and graphic schedule of proposed procedures to the Consultants/Architects/Owners.

13.0 Performance Guarantee

The Contractor shall guarantee uninterrupted service and stipulated quality of performance of the installed HVAC system. The guarantee shall be furnished in the proforma indicated in the Appendix-I. It is to be clearly understood that the specifications indicated represent minimum performance requirements for the tender's guidance.

14.0 Performance Bank Guarantee

As per clause 4.0 of special condition.

15.0 Taxes & Duties

- (i) All duties and taxes like custom duty, CVD, excise duty, local sales tax, octroi, sales tax on works contract, VAT, Service tax etc. shall be included in the quoted price.
- (ii) Transit insurance shall be borne by the Contractor. All the prices indicated shall be F O R site.

16.0 Liability to Govt. Regulations

- (a) The Contractor shall be responsible and shall abide by all the government rules and regulations pertaining to erection, testing and commissioning of the complete HVAC system at site.
- (b) Any compensation towards damage/loss of property/material/equipment or to any person working at site shall be borne by the Contractor as per standard terms of contract.
- (c) No escalation/ change of prices would be admissible under any circumstances.

17.0 Erection and Supervision

- (a) The Contractor shall depute engineers from time to time of commencement of assembly and installation work to inspect all relevant civil construction/ fabrication and other necessary facilities to make improved action if felt necessary. However, a site engineer preferably a graduate in mechanical or electrical discipline shall be deputed at site permanently till completion of the work.

18.0 Bye Laws & Regulations

The installation shall be in conformity with the bye-laws, regulations and standards of the concerned local authorities so far as these become applicable to the installation. However, if these specifications call for a higher standard of materials and /or workmanship than those required by the regulations and standards then these specifications shall take precedence over the said regulations and standards. If the specifications call for requirements which violate the bye-laws and regulations, the bye-laws and regulations shall govern the requirements of this installation.

19.0 Fees and Permits

The Contractor shall obtain all permits /licenses and pay for any and all fees required for the installation, inspection and commissioning of the work.

20.0 Electrical Power Requirement

The tenderer shall submit with their quotation the break-up of electrical power requirement for all the HVAC equipment.

21.0 Testing and Commissioning

On completion, the installation shall be tested for conformity with the stipulated performance specifications. Any defect, shortcoming detected in the system/material/workmanship shall be rectified by the Contractor to the entire satisfaction of the Consultants without any extra cost to the Owner. The installation shall be tested again after the removal of the defects and shall be commissioned only after approval by competent inspecting authority or the Consultants and the Owner. All tests shall be carried out in the presence of the Consultants and Owner's representative.

27.0 Completion Certificate

On successful completion of the installation, a Certificate in the approved format shall be furnished by the Contractor. The Contractor shall be responsible for getting the entire installation duly approved by the Electrical Inspector or concerned authority, if any, and shall bear all the expenses in connection with the same.

28.0 Completion Documents

- a. 5 copies of operation manuals/catalogues of all standard equipment to be furnished by the contractor immediately after commissioning of plant.
- b. 5 copies of write up on preventive maintenance, trouble shooting and operating instructions of the system along with the as-built drawings to be supplied by the Contractor at time of commissioning.
- c. 5 sets of catalogues of all equipment such as outdoor units, indoor units, split packages, centrifugal fan sections, electrical components etc.

29.0 Completion Drawings

The Contractor shall submit five sets cloth mounted drawings showing all details of the installation including the equipment layout, size & routing of duct work, refrigerant piping, run of cable and any other information required by the Consultants.

30.0 Technical Submittals

The successful tenderer after award of work shall furnish submittals for various items incorporating complete technical details for the approval of the Consultants. The submittals for items mentioned in the tender document but not restricted to the following:

- VRF System
- Fresh air system
- Ventilation fans including Inline fans etc.
- Copper pipes

Grilles & diffusers.
Insulation material.

31.0 Maintenance during Liability Period

Defects liability period shall commence from the date of virtual completion upon fulfillment of the procedure laid down in the relevant clause mentioned above. Contractor shall include incidental expenses towards necessary maintenance during defects liability period by deputing a skilled technician once in every week. The scope of such maintenance work to include:

- a. Wet Cleaning of indoor unit filters and fresh air intake filters.
- b. Checking of fan belts, pulleys etc.
- c. Dry Cleaning of electrical components using air blower.

GUARANTEE PROFORMA FOR HVAC INSTALLATION

Owner : Prncpal Kamala Nehru College (University of Delhi)

1. The Contractor shall furnish the following guarantee:
“We warrant that everything supplied by us including all components fitted into the equipment manufactured by others also, shall be in all respects free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and quality to acceptable standards for all materials of the type ordered and shall be in full conformity with all the specifications, drawings or samples if any and we shall be fully responsible for its efficient performance. This guarantee shall survive inspection for acceptance and payment for the equipment and installation, but shall expire (except in respect of the complaints notified to us) 12 months from the date of issue of completion certificate by the Architect/Consultants. The complaints, workmanship, manufacturer or performance of any of the equipment or part/parts thereof shall be notified by fax within 12 months from the date of issue of such completion certificate”.
2. The Contractor shall replace such of these parts which require replacement under these conditions free of cost, charge and expenses to the purchaser. In addition, the Contractor shall be responsible for a period of 12 months from the date of issue of completion certificate for any defect that may develop or appear under the conditions provided by the Contractor or use thereof arising from faulty material design or workmanship in the equivalent or any part thereof or faulty installation of the equipment by the Contractor but not otherwise and shall correct such defects within one week from the date of notification at his own cost when called upon to do so by the purchaser who shall state in writing in what respect the portion is faulty.
3. Any faulty component replaced or renewed under the clause shall also be guaranteed for a period of six months from the date of such replacement or removal of until the end of the above-mentioned period whichever is later.
4. If defects are not rectified within a reasonable time as mentioned in the written notice, the Project Managers/Architects/Owners shall proceed to do so at the Contractor’s risk and cost without prejudice to any other right thereof.

Signature and Stamp of the Contractor

Date:

PROFOMETREA FOR EXPERIENCE

DETAILS OF SIMILAR WORKS CARRIED OUT BY THE FIRM

(SEPARATE SHEETS TO BE ATTACHED)

S. No	NAME OF ORGANISTON	NAME OF WORK	CONTRACT VALUE	SCHEDULED DATE and ACTUAL DATE OF COMPLECTON (EXTN. OF TIME, IF ANY)	ACTUAL REASON FOR DELAY IN COMPLEETION, IF ANY

FORMAT OF BANK GUARANTEE FOR PERFORMANCE SECURITY

To,

The Principal,
Kamala Nehru College
(University of Delhi)
August Kranti Marg,
New Delhi - 110049

WHEREAS..... (name and address of contractor) hereinafter called "the contractor" has undertaken, in pursuance of Contract No. Datedto execute..... (Name of Contract and brief description of Works) (hereinafter called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the Contractor shall furnish you with a Bank Guarantee by a Nationalised/Scheduled bank of India for the sum specified therein as performance guarantee for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREOF we hereby affirm that we are the guarantor and responsible to you on behalf of the Contractor, up to a total of Rs..... (amount of guarantee) (Rupees..... (in words), such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract or of the works to be performed there under or of any of the contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 28 days from the date of issue of the Defects Liability Certificate.

Signature and seal of the Guarantor.....

Name of the Bank

Address.....

Date.....

In the presence of

1.....

(Name of Occupation)

An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in Indian Rupees.

PROFORMA FOR AGREEMENT
(TO BE SUBMITTED ON RS.100/- NON-JUDICIAL STAMP PAPER)

CONTRACT AGREEMENT FOR THE WORK OF

Made this Day of.....

Between..... M/s

Hereinafter called the "Contractor" (which terms shall unless excluded by or repugnant to the context include its successors and permitted assigns) of the one part; and Principal Kamala Nehru College hereinafter called the "OWNER" (which terms shall unless excluded by or repugnant to the context include its successors and permitted assigns) of the other part.

WHEREAS

- a) OWNER being desirous of getting executed the WORK mentioned, enumerated or referred to in the Bid Document including Notice Inviting Tender, Instruction to Bidders, General Condition of Contract, Special Conditions of Contract, Specifications, Time Schedule, Letter of Acceptance of Bid and other documents has invited Bids.
- b) CONTRACTOR has inspected SITE and surroundings of WORK specified in the Bid Documents and satisfied himself by careful examination before submitting his Bid as to the nature of the quantities, nature and magnitude of WORK, availability of equipment etc. necessary for the execution of WORK, the means of access to SITE, the position of supply of power and water thereto and the accommodation he may require and has made local and independent enquiries and obtained complete information as to the matters and things referred to, or implied in the Bid Document or having any connection therewith, and has considered the nature and extent of all probable and possible situation, delays, hindrances or interferences to or with the execution and completion of WORK, to be carried out under this CONTRACT, and has examined and considered all other matters condition and things and probably and possibly contingencies, and generally all matters incidental thereto and ancillary thereof effecting the execution and completion of WORK and which might have influenced him in making his Bid.
- c) The Invitation to Bid, instructions to Bidders, General Conditions of Contract, Description of Works and specifications, Plans, Time Schedule, Letter of Acceptance of Bid any and any other documents and enclosures, copies of which are hereto annexed are included in the expression "CONTRACT" :

AND WHEREAS

OWNER accepted the Bid of CONTRACTOR for the provision and the execution of WORK at the CONTRACT PRICE as indicated in the letter of award of work upon the terms and subject to the conditions of Contract.

Now this CONTRACT AGREEMENT witnesseth and it is hereby agreed and declared as follows:

1. In consideration of the payment to be made to CONTRACTOR for WORK to be executed by him, CONTRACTOR hereby covenants with OWNER that CONTRACTOR shall and will duly provide, execute and complete the work and things in CONTRACT, mentioned or described or which are to be implied therefrom or may be reasonably necessary for completion or stipulations mentioned in CONTRACT.
2. In consideration of the due provision, execution and completion of WORK by the CONTRACTOR in accordance with the terms of the CONTRACT, the Owner does hereby agree with CONTRACTOR that OWNER will pay to Contractor the respective amount for the work actually done by him and approved by Owner as per Payment Terms accepted in CONTRACT and payable to CONTRACTOR under provision of Contract; such payment to be made at such time and such manner as provided for in the CONTRACT.

AND

3. In consideration of the due provision, execution and completion of WORK, CONTRACTOR does hereby agree to pay such sums as may be due to OWNER for the services rendered by Owner to Contractor as set forth in CONTRACT and such other sums as may become payable to Owner towards loss, damage to the OWNER's equipment, materials etc. and such payments to be made at such time and in such manner as in provided in the CONTRACT.

IN WITNESS WHEREOF Parties executed these presents on the day and the year above written.

Signed and delivered for
and on behalf of
CONTRACTOR

.....
.....

Date:
Place:

Signed and delivered for
and on behalf of
OWNER (KAMALA NEHRU
COLLEGE)

.....
.....

Date:
Place:

In presence of Witness (Signature with Name & Address)

1.
.....
2.
.....

1.
.....
2.
.....

PART – II

PRICE BID

Bill of Quantities

Item	Description	Unit	Qty.	Rate	Amount
	Supply, installation, testing and commissioning of HVAC system are using Variable Refrigerant Flow (VRF) system at Kamala Nehru College Auditorium	As per BOQ	As per BOQ		


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49


KAMLA NEHRU COLLEGE
(University of Delhi)
August Kranti Marg, New Delhi -49
HVAC BOQ SUMMARY

S. NO.	DESCRIPTION	Amount
[A]	EQUIPMENTS (SUPPLY,	
[B]	INSTALLATION OF EQUIPMENTS	
[C]	PIPING:	
[D]	AIR DISTRIBUTION:	
[E]	INSULATION:	
[F]	Transmission & Control Wiring	
[G]	Dismantai	
	TOTAL Equip plus Lowside	

Amount in words:

Signature of tenderer

Project Name:- Kamla Nehru College ,New Delhi

LOCATION:- AUDITORIUM

HVAC BOQ

.NO.	DESCRIPTION	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
[A]	EQUIPMENTS :				
1.0	Air Cooled Normal Ductable Unit				
	Supply of Air Cooled Ductable Split Units. The indoor unit shall be ductable split type complete with DX copper coil, filters, blowers with motor and drive, refrigerant piping connection port, HP / LP cutout, thermostatic expansion valve, distributor, starter & other necessary controls to form a factory tested compact unit.				
a	8.5TR (3400 CFM) Ductable Units for 1st for Auditorium area	Nos.	6		
b	8.5TR (3400 CFM) Ductable Units for balcony 2nd floor	Nos.	2		
c	5.5TR (2200 CFM) Ductable Units for 1st for Auditorium area	Nos.	2		
d	5.5 TR(2200 CFM) Ductable Units for Ground floor Stage backside area	Nos.	3		
	EQUIPMENTS SUPPLY				
[B]					
1.0	Air Cooled Normal Ductable Unit				
	Installation, testing & commissioning of Air Cooled Ductable Split Units. The indoor unit shall be ductable split type complete with DX copper coil, filters, blowers with motor and drive, refrigerant piping connection port, HP / LP cutout, thermostatic expansion valve, distributor, starter & other necessary controls to form a factory tested compact unit.				
a	8.5TR (3400 CFM) Ductable Units for 1st for Auditorium area	Nos.	6		
b	8.5TR (3400 CFM) Ductable Units for balcony 2nd floor	Nos.	2		
c	5.5TR (2200 CFM) Ductable Units for 1st for Auditorium area	Nos.	2		
d	5.5 TR(2200 CFM) Ductable Units for Stage backside area	Nos.	3		
	INSTALLATION OF EQUIPMENTS				
[C]	PIPING:				
1.0	REFRIGERANT PIPING:				
	Supply, installation, testing and commissioning of interconnect refrigerant copper piping duly insulated with 19/13 mm thick nitrile rubber tube and finally finished with PVC tap wrapping to connect the indoor and outdoor unit. The diameter, thickness and type of refrigerant pipe shall be as per supplier recommendation & to be shared before finalising the work order. The cost shall be inclusive of additional top up of refrigerant if required for proper commissioning of the AC Unit. (each circuit measured separately)				
	8.5 tr ductable unit (part of pipe)	RMT	120		
	5.5 tr ductable unit (part of pipe)	RMT	75		

PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49

2.0	DRAIN PIPES OF INDOOR UNITS :			
	Supplying, laying, fixing, testing & commissioning of composite UPVC pipes Density not less than 10kg/m ³ complete with all necessary fittings such as elbows, tees, reducers U-trap, supports, clamps etc. as per specification & drawings.			
i)	25 mm dia	RM	15	
ii)	32 mm dia	RM	90	
3.0	Supply and Installation of floor standing MS angle iron stands for Outdoor unit.	Nos	13	
TOTAL OF PIPING CARRIED OVER TO SUMMARY				
[D]	AIR DISTRIBUTION:			
1.0	SHEET METAL DUCT:			
1.1	Factory fabricated duct			
	Supply, installation, testing and commissioning of Factory fabricated duct complete with cleats/TDC Flanges/corners/HD galvanised nut bolts & supporting rods /sealant conforming to SMACNA standards.			
a)	24 gauge galvanised sheet	Sqm.	60	
b)	22 gauge galvanised sheet	Sqm.	370	
c)	20 gauge galvanised sheet	Sqm.	20	
1.2	Manual Duct			
	Supply, construction, erection, testing, and performance of Manually fabricated duct complete with c Flanges, corners galvanised nut bolts & supporting rod			
a)	24 gauge galvanised sheet	Sqm.	50	
b)	22 gauge galvanised sheet	Sqm.	70	
c)	20 gauge galvanised sheet	Sqm.	RO	
2.0	FLEXIBLE CONNECTION:			
	Supply, fabrication, installation and testing of double canvas (fire retardant) flexible connection constructed of fire resistant material.	No.	13	
3.0	VOLUME CONTROL DAMPER:			
a	Supply, installation and testing of GI volume control dampers within ducts complete with suitable links, levers and quadrants for manual control of volume of air flow and for proper balancing of air distribution system.	Sqm.	5	
TOTAL OF AIR DISTRIBUTION CARRIED OVER TO SUMMARY				
[E]	INSULATION:			
1.0	ACOUSTIC LINING:			

DUCT ACOUSTIC LINING				
	Supply and installation of acoustic insulation for ducts with open cell polyolefin foam. Density of the material shall be 40-60 Kg/m ³ . The insulation material shall be fire rated as Class 1. The NRC value of 25 mm thick material shall be not less than 0.7 when tested as per ISO 354 standard. The material shall be anti fungal in nature as per ASTM G21 standard. Quoted price shall be inclusive of adhesive, tapes as per required			
a)	15 mm thick	Sqmt	60	
2.0	INSULATION:			
	Supplying and fixing of following thickness duly closed cell Nitrile rubber insulation on duct after applying two coats of cold setting adhesive.			
a)	19 mm thick insulation.	Sqm	510	
3	ACOUSTIC LINING OF WALLS			
	Supply and application of accoustic/thermal lining wall of AC units rooms using fibre glass insulation, Tissue paper, 26G aluminium perforated sheet and 3mm thick aluminium strip with Black japan and screw			
	25mm thick lining	Sqm	120	
	TOTAL			
[F]	ELECTRICALS WORK			
1	Transmission & Control Wiring			
	Providing & fixing of control cum. transmission wiring of copper (communication cable) between indoor and out door unit in 25 mm PVC Conduit. AC Contractor shall include the cost of chiselling & finishing the wall / ceiling.			
i	8.5Tr Ducted communication Cable	RMT	130	
ii	5.5 Tr Ducted communication Cable	RMT	85	
2	Power cable for Outdoor Units from MCCB to Outdoor.			
a)	16sqmmx4c	RMT	65	
	TOTAL OF ELECTRICAL CARRIED OVER TO SUMMARY			
[G]	Dismantling of Existing AC System			
	Dismantling / Removal & disposal of Existing AC System in as is condition and & carting away the debris / material			
	Scrap will be removed BY THE Vendor & Suitable Credit to be provided by the Vendor to INP			
	The CONTRACTOR shall take necessary approvals from the Institute Management. The cost of all such liaison work fro approvals shall be included in the below mentioned rates	lot	1	
	TOTAL OF DISMANTAL CARRIED OVER TO SUMMARY			

Sealed bids on behalf of Principal, Kamala Nehru College (University of Delhi) are invited for "SUPPLY , INSTALLATION, TESTING AND COMMISSIONING OF HAVC DUCT WORK SYSTEM" at Kamala Nehru College, through speed post/registered post/courier before 21st August-2024 at 17:30 Hrs..

IMPORTANT DATES

DATE OF PUBLISH OF TENDER	:	31.07.2024
DOCUMENT DOWNLOAD START DATE	:	31.07.2024
DOCUMENT DOWNLOAD END DATE	:	10.08.2024
BID SUBMISSION START DATE	:	31.07.2024
BID SUBMISSION END DATE	:	10.08.2024


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49

Government e-Procurement System
<http://eprocure.gov.in>

TENDER INPUT FORM

(A) Basic details:

1	Tender Reference No. *	KNC/EP/HVAC/2024/
2	Tender Type *	<input checked="" type="checkbox"/> Open <input type="checkbox"/> Limited <input type="checkbox"/> EOI <input type="checkbox"/> Auction <input type="checkbox"/> Single
3	Form of Contract *	<input checked="" type="checkbox"/> Work Contract <input type="checkbox"/> Auction <input type="checkbox"/> Service Contract <input type="checkbox"/> Buy <input type="checkbox"/> Empanelment <input type="checkbox"/> Sell <input type="checkbox"/> Buy & Service
4	No. of Covers *	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
5	Tender Category *	<input type="checkbox"/> Goods <input type="checkbox"/> Works <input type="checkbox"/> Services
6	Allow Resubmission *	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Allow Withdrawal *	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8	Allow Offline Submission *	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9	Payment Mode *	<input checked="" type="checkbox"/> Offline <input type="checkbox"/> Online
9 (a)	If Offline :	Instruments : <input type="checkbox"/> SS-Small Savings Instrument <input type="checkbox"/> BG-Bank Guarantee <input type="checkbox"/> BC-Bankers Cheque <input checked="" type="checkbox"/> DD-Demand Draft
9 (b)	If Online :	Banks : <input type="checkbox"/> ICICI <input type="checkbox"/> UTI <input checked="" type="checkbox"/> SBI <input type="checkbox"/> PNB

(B) Cover details:

	No. of Covers	Cover type	Contents
1	Single Cover	Fee/Prequal/Technical/Financial	
2	Two Covers	(a) Fee/PR equal/Technical (b) Financial	Tech + Financial
3	3 Covers	(a) Fee (b) Prequal/Technical (c) Financial	

**Government e-Procurement System
Tender Work Input Form**

4	4 Covers	(a) Fee (b) Prequal (c) Technical (d) Financial	
---	----------	--	--

(C) NIT Document (only .jpg and .pdf files are supported)

SNo	File name	Type:	Size:
1			

(D) Work Item Details:

1	Work Item Title *	E-publishing for HVAC DUCT work
2	Work Description *	As per Tender Document
3	Pre qual. Details	
4	Product Category *	<input type="checkbox"/> civil works <input checked="" type="checkbox"/> electrical works <input type="checkbox"/> Fleet Management <input type="checkbox"/> Computer Systems
5	Product Sub Category	
6	Contract Type *	<input checked="" type="checkbox"/> Tender <input type="checkbox"/> Empanelment
7	Tender Value *	<input checked="" type="checkbox"/> INR <input type="checkbox"/> US <input type="checkbox"/> EUR
8	Bid Validity days * If other, specify	<input checked="" type="checkbox"/> 120 <input type="checkbox"/> 90 <input type="checkbox"/> 60 <input type="checkbox"/> 30
9	Completion Period in months	
10	Location (Work/services/items) *	KAMALA NEHRU COLLEGE
11	Pin code	110049
12	Pre Bid Meeting *	<input type="checkbox"/> Yes <input type="checkbox"/> No
	If Pre Bid Meeting is Yes	NA
12 (a)	Pre Bid Meeting Place *	NA
12 (b)	Pre Bid Meeting Address *	NA
13	Bid Opening Place *	Kamala Nehru College
14	Tenderer Class *	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> Others
15	Inviting Officer *	PRINCIPAL KAMALA NEHRU COLLEGE
16	Inviting Officer Address * Phone/email:	AUGUST KRANTI MARG NEW DELHI-110049

**Government e-Procurement System
Tender Work Input Form**

(E) Fee Details:

1	Tender Charges:	NOT APPLICABLE
1 (a)	Tender Fee	
1 (e)	Tender Fee Payable To *	NOT APPLICABLE
1 (f)	Tender Fee Payable At *	NOT APPLICABLE
1 (b)	Processing Fee	NOT APPLICABLE
1 (c)	Surcharges	NOT APPLICABLE
1 (d)	Other Charges	NOT APPLICABLE
2	EMD Fee	NOT APPLICABLE
2 (a)	If EMD Fee is Fixed EMD Amount:	If EMD Fee is Percentage EMD Percentage (%):
2		As per Govt Norms
3	EMD Exemption Allowed	<input type="radio"/> Full <input type="radio"/> Partial <input checked="" type="radio"/> None
3 (a)	If EMD Exemption Allowed is Partial, EMD Exemption Percentage %	

(F) Critical Dates:

DD / MM / YYYY

Hrs Mins

		DD	MM	YYYY	Hrs	Mins
1	Publishing Date	31	07	2024	2	00 PM
2	Document Sale Start Date	31	07	2024	3	00 PM
3	Document Sale End Date	10	08	2024	5	00 PM
4	Seek Clarification Start Date	01	08	2024	12	00 AM
5	Seek Clarification End Date	02	08	2024	11	00 AM
6	Pre Bid Meeting Date	NA	NA	Time	NA	
7	Bid Submission Start Date	31	07	2024	3	00 PM
8	Bid Submission End Date	10	08	2024	5	00 PM
9	Bid Opening Date	12	08	2024	3	00 PM

Government e-Procurement System
Tender Work Input Form

(G) Bid Openers Selection:

	Name/Designation	Email ID
BO1	PRINCIPAL KAMALA NEHRU COLLEGE	Office@knc.du.ac.in
BO2	ADMINISTRATIVE OFFICER	ao@knc.du.ac.in
BO3	BURSAR	

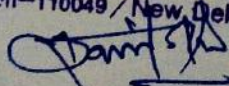
(E) Uploading the Tender documents:(only pdf,jpg,xls & rar files allowed)

SNo	File name	Description	Type	Size:
1		AS PER TENDER ATTACHED		
2				
3				
4				
5				

Prepared by:

Name/Designation

अनुभाग (अशा) / Section Officer (Admin)
कमला नेहरू महाविद्यालय / Kamala Nehru College
दिल्ली विश्वविद्यालय / University of Delhi
अगस्त क्रांति मार्ग / August Kranti Marg
नई दिल्ली-110049 / New Delhi-110049




Seal of the Office of the TIA:

प्रशासनिक अधिकारी / Administrative Officer
कमला नेहरू महाविद्यालय / Kamala Nehru College
दिल्ली विश्वविद्यालय / University of Delhi
अगस्त क्रांति मार्ग / August Kranti Marg
दिल्ली-110049 / New Delhi-110049

Approved by:

Name/Designation


PRINCIPAL
KAMALA NEHRU COLLEGE
AUGUST KRANTI MARG
NEW DELHI-49