# **TENDER DOCUMENT**

Name of work:

Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR

Campus, New Delhi.

CLIENT:

DIRECTOR, NEW DELHI

# TENDER DOCUMENT

Name of work:	Establishme installation, Campus, Ne	testing & commissionin	HRD_Conferen g of HVAC sy	ce Room regarding suppl /stem in Lab 007 at NIPG
Owner:	Director, N	IPGR New Delhi		
Tender Issued to :				
Place for submissio opening of tender do		NIPGR Campus, Aruna Asaf Ali Marg, New Delhi-110067	*	
		der documents: 07.08.202 rs: 08.08.2024 at 1500 hrs		rs.
				Consultant Engineer NIPGR

To

The Director NIPGR CAMPUS, New Delhi.

Dear Sir,

I/We have read and examined the following Tender Documents relating to "Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR Campus, New Delhi."

- ➤ Notice Inviting Tender
- General Conditions
- > Instructions to Bidders
- General Information
- > Memorandum
- Schedule of Quantities
- General Conditions of Contract Agreement
- Special terms & conditions of contract.
- > Special Instructions to bidders for registration with Competent Authority
- Terms & Conditions
- ➤ Annexure I, II, III, IV, V & VI.
- Drawings
- > Technical Specifications
- Schedule of Quantities (not to be filled)

I/We hereby offer to execute the work complete in all respects specified in the under written Memorandum within the time specified therein or during the allowed extended time at the rates specified in the bill of Quantities and in accordance, with the specifications, designs, drawings and instructions in writing referred to in the conditions of tender.

(Seal & Signature of Contractor)

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# NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

(Department of Biotechnology, Ministry of Science and Technology, Govt. of India)

Aruna Asaf Ali Marg, New Delhi-110067

Phone: 011-26735161, 26735138 Fax: 011-26741658

NOTICE INVITING TENDER
(Tender No.: NIPGR/Engg./5/19/2024-25)

Bids are invited on behalf of the Director, NIPGR, Aruna Asaf Ali Marg, JNU Campus, New Delhi – 110067 from the eligible contractors of reputed, multidisciplinary engineering organizations from eminent Partnership Firms / Joint Venture / Private Limited Companies / Public Limited Companies / Companies registered under the Indian companies who has experience in "HVAC works comprises of VRV system" with Govt. departments or other reputed organizations.

Name of work:

Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR Campus, New Delhi.

SI. No. 1.	Estimated Cost (In Lacs)	E.M.D. 3.	Time for Completion 4.	Pre-Bid meeting 5.	Last date & Time of receipt of Tender 6.	Date & time of opening of tenders 7.
1.	Rs. 23,70,000.00	Rs. 47,400.00	45 days	29.07.2024 11.00 Hrs.	07.08.2024 15.00 Hrs.	08.08.2024 15:00 Hrs.

Tenderers registered with M.S.M.E. & N.S.I.C. in the above-mentioned service / activity are exempted from submission of E.M.D.

The earnest money shall be in the form of Demand Draft or Bank Guarantee issued by any of the Commercial Bank in favour of the Director, NIPGR, New Delhi so as to deposit in NIPGR office latest by 07.08.2024 at 1500 hrs.

The bids will be accepted in respect of those contractors having successfully completed at least three similar works of each value not less than Rs. 9.48 lakhs **OR** two similar works of each value not less than Rs. 14.22 lakhs **OR** one similar work of value not less than Rs. 18.96 lakhs during the last seven years ending June-2024 and having annual financial turnover of Rs. 23.70 lakhs during the last three years duly certified by the Statutory Auditors. Similar works means "HVAC works comprises of VRV system" with Govt. departments or other reputed organizations.

Intending tenderers must enclose self-attested copies of Completion Certificates, Work Order / Letter of Acceptance & Schedule of Quantity / B.O.Q. of having completed the work satisfactorily issued by an appropriate competent authority.

Submission of complete tender documents duly signed and stamped with Technical Bid, by the tenderer is mandatory.

The Director, NIPGR reserves the right to accept or reject all or any of the tender without assigning any reasons thereof.

Consultant Engineer NIPGR

#### **GENERAL CONDITIONS**

- Bids are hereby invited from the eligible bidders for the work of "SUB.: Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR Campus, New Delhi." The tender document is obligatory on the part of the tenderers & bid in no other form will be accepted.
- 2. The time allowed for the completion of said work is 45 Days from the date of written order.
- 3. The Tenderer will submit his tender on-line in prescribed format after examining the tender documents, scope of work, specific conditions of contract, Instructions to bidders, General Information, Terms and Conditions of contract agreement, technical specification, Price Bid, special terms and conditions of contract, specific conditions of contract.
- 4. The tender shall be submitted online in two parts, viz., Technical bid and Financial bid. Submission of complete tender document duly stamped and signed by tenderer with technical bid is mandatory.
- 5. The offer shall remain valid for 90 days from the date of opening of Tender. The validity of rates is further extendable for a period of 180 days from the date of issue of award letter with mutual consent of both the parties.
- 6. The tenderer shall submit a copy of the audited balance sheets of the last three financial years.
- 7. If a tenderer whose tender is accepted fails to undertake the work as per terms of the contract within 10 days to be reckoned from the date of issue of Letter of Commencement, the E.M.D. / Performance Security of the agency shall be forfeited / encashed.
- 8. NIPGR does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason as well as for the transportation of samples.
- 9. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders as well as for the transportation of samples.
- 10. This notice inviting tender, letter of acceptance & letter of commencement, etc., will form part of the contract agreement to be executed by the successful tenderer.
- 11. All the correspondence on the tender shall be addressed to the Director, NIPGR, Aruna Asaf Ali Marg, New Delhi and any communication addressed to anyone else shall not in any manner to be binding upon the NIPGR, Aruna Asaf Ali Marg, New Delhi.
- 12. The submitted documents / certificates may be verified with originals after opening of Technical Bid.

Consultant Engineer NIPGR

Accepted (Seal & Signature of Contractor)

#### INSTRUCTIONS TO BIDDERS

#### 1. GENERAL INSTRUCTIONS:

The works referred here-in shall cover the entire scope of the proposal which includes supplying and installation of material including the successful completion and the tests which the desires to get carried out. The "Owner" where appearing in these documents shall mean Director, NIPGR.

## 2. TENDERERS TO STUDY ENTIRE TENDER DOCUMENT CAREFULLY:

Submission of a tender by a tenderer implies that he has read all the stipulations contained in this tender document and has acquainted himself of the nature, scope and specifications of the works to be followed.

# 3. TENDERER TO SUBMIT THE ENTIRE TENDER DOCUMENT:

The tenderer shall submit all documents issued to him for the purpose of this tender after duly filling the same in all respects. Tenders which are found to be vague or incomplete shall be rejected summarily.

## 4. INSTRUCTION FOR FILLING THE TENDER.

Tenders shall be submitted, it shall be signed by one who has been authorized by the Board of Directors through a resolution. Copy of resolution and the authority letter in favour of the person signing must accompany the tender.

# 5. TENDERERS TO QUOTE FOR ALL ITEMS AND IN FIGURES:

The tenderer shall quote his rates in figures with reference to each item and must enter for all the items shown in the attached Bill of quantities. Incomplete offer shall be liable for rejection. The total amount shall be written both in figures and in words.

# 6. VALIDITY PERIOD OF OFFERS:

The rates quoted in the tender shall hold good for 90 days from the date of opening of the tender. If a tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within the period mentioned in the tender notice, in such cases the Institute reserves the right to reject the bid and take any other action as deemed appropriate. In case the successful tenderer after award of acceptance of tender fails to perform as per contract or violates any condition of tender, the Agency shall be suspended from being eligible for bidding in any contract with the NIPGR, New Delhi for the period of 2 years starting from the last date of receipt of this bid/tender. The validity of accepted rates is further extendable from the date of issue of award letter with mutual consent of both the parties for 180 days.

# 7. TENDERER TO STAMP & SIGN ALL PAGES:

The tenderer shall stamp and sign at the bottom right-hand corner of every page of the tender documents in token of acceptance of tender conditions and for the purpose of identification.

#### 8. ERASURES AND ALTERATIONS:

Tenders containing erasures and alterations of the tender documents are liable to be rejected unless these are authenticated by the person signing the Tender Documents.

# 9. TENDERER TO SATISFY HIMSELF OF SITE CONDITIONS:

Tenderers are advised to inspect and examine the site and its surroundings and also signed a certificate of site visit enclosed as per Annexure 'II' and satisfy themselves before submitting their tender regarding nature of the site conditions, the means of access of the site, the accommodation they may require and in general obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender in any manner. A tenderer shall be deemed to have full knowledge of the site, whether he inspects it or not and no compensation or otherwise of any charges incurred or to be incurred consequent on any misunderstanding or otherwise shall be admissible.

## 10.EARNEST MONEY:

Earnest Monday Deposit of Rs. 47,400.00 (Rs. Forty seven thousand four hundred only) to be furnished with the tender in the form of the demand draft or Bank Guarantee issued by Commercial Bank (No interest is payable on Earnest Money).

#### 11.TENDERER TO QUOTE BOTH IN FIGURES AND WORDS:

The bidder shall quote their rates for all the items both in figures as well as words given as per the attached format of Price bid. The amount of each item shall be worked out and the requisite total given. Special care shall be taken to write percentage in figures and words, and the amount in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words.

## 12. TENDER LIABLE TO REJECTION:

Tenders which do not fulfill all or any of the conditions laid down in this notice, or contain conditions not covered and / or not contemplated by the Conditions of tender document and/or expressly prohibited therein or stipulate additional/alternative conditions shall be liable to be rejected. Tenders shall also be liable for rejection on any of the following grounds: -

- i) Tenders containing remarks uncalled for.
  - ii)Conditional tenders
- iii)Tenders not submitted on prescribed Performa.
- iv)Telegraphic/Fax/Postal tenders.
- v) Tenders submitted without E.M.D. or Bank Guarantee.
- vi) Incomplete tenders
- vii) Tenders submitted by the agency who has any unresolved dispute of any kind.
- viii) Tenders with NIL consideration.

#### 13.CORRESPONDENCE:

Tenderers must mention their postal address and telephone number(s) of the Chief Executive/authorized agent or attorney in the tender. The tender submitted by the tenderer will be rejected if he or his agent cannot be contacted on the last known address or on the intimated telephone number(s) after reasonable search in this event the agencies / bidders shall be debarred from tendering with the Institute.

#### 14.NIPGR NOT TO ASSIGN ANY REASON FOR REJECTION OF TENDER:

NIPGR hold absolute discretion to accept or reject the lowest or any other tender without assigning any reason. No claim on this account shall be entertained.

# 15.AMENDMENT IN TENDER DOCUMENTS:

NIPGR reserves the right to revise or amend the Bid Documents up to the date prior to the date notified for opening of the tenders and also the right to postpone the date of submission and opening of tenders without assigning any reason, whatsoever.

#### **16.REFERENCE IN TENDER DOCUMENTS:**

Director, NIPGR, shall be referred as "Owner" in all the documents of Tender documents/contract agreement.

Consultant Engineer NIPGR

(Seal & Signature of Contractor)

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## GENERAL INFORMATION

Accepting Authority

Director, NIPGR New Delhi.

2. **Earnest Money Deposit** 

For Rs. 47,400.00 (Rs. Forty seven thousand four hundred only) to be furnished with the tender in the form of the demand draft or Bank Guarantee issued by Commercial Bank (No interest is payable on Earnest Money)

3. Performance Security deposit The contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to him. Performance security may be submitted in the form of Demand Draft / Bank Guarantee issued by Commercial Bank (No interest is payable Performance Security).

Authority competent to extension of time

grant Director, NIPGR

5. Tools & plants To be arranged by contractor

6. Authority competent to reduce the Director, NIPGR compensation amount

7. **Defect Liability Period** 

24 months from the date of acceptance of completion by the Institute.

Release of Performance Security 8

The performance security shall be refunded to the contractor after completion of the defect liability period and recording of completion certificate by Institute

Authority Competent to Appoint Arbitrator

Director, NIPGR

10. Authority Competent to reduce the compensation amount

Director, NIPGR

Consultant Engineer NIPGR

#### **MEMORANDUM**

a) Name of work

Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR Campus, New Delhi.

b) Estimated cost

Rs. 23,70,000.00

c) Earnest money

For Rs. 47,400.00 (Rs. Forty seven thousand four hundred only) to be furnished with the tender in the form of the demand draft or Bank Guarantee issued by any of the Commercial Bank (No interest is payable on Earnest Money).

 d) Time allowed for the completion of work (to be reckoned from 10th day after the date of issue of written order to commence work) 45 Days

Place Date:

# **SCHEDULE OF QUANTITIES**

ITEM N	١٥.	DESCRIPTIO	ON OF ITEM	QTY.	UNIT	RATE	AMOUNT
Attache	ed at pages	sto					
	sions of th		, in whole or in pa of tender as applic			oide by and f	ulfill all the terms
(i)			commence the work other right or re				
(ii)		e all the work or referred to	ks referred to in therein.	the tender doo	uments upo	n the terms	and conditions
	mes and pader are:	ostal addresse	es and contract pl	none nos. of ou	r representat	tive(s) author	rized to deal with
1)							
2)							
3)							
Dated t	the		day of	•	2024		

# GENERAL CONDITIONS OF CONTRACT AGREEMENT

# 1. PERFORMANCE SECURITY

The bidder / bidders whose tender may be accepted (herein after called the contractor) shall permit NIPGR at the time of making any payment to him for works done under the contract to deduct such sum as will amount to 5% of all moneys so payable to be held by the Institute, by way of performance security. In case, the agency has failed to comply with the terms & conditions of tender, the performance security of agency shall be forfeited.

# 2. COMPENSATION CLAUSE

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor, and shall be reckoned from the 10<sup>th</sup> day of the date on which the order to commence the work is given to the contractor, and within ten days of award of work the contractor. The work on the contract shall be executed according to the approved drawings as aforesaid and shall throughout the stipulated period of the contract be proceeded with all due diligence (time being deemed to be the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to one percent per week of work order amount or on the value of work as per contract, Provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed ten percent of the awarded cost of work as shown in the tender. The Director, NIPGR on a representation from the Agency, is however; empowered to reduce the amount of compensation and his decision in writing shall be final.

# 3. TIME EXTENSION

If the contractor shall desire an extension of the time limit for completion of the work on the grounds of his having been unavoidably hindered in its execution or on any other ground he shall apply in writing to the NIPGR, within 15 days of the date of the hindrance on account of which he desires such extensions as aforesaid but before the expiry of time limit and the NIPGR, if in his opinion(which shall be final)reasonable grounds as shown thereof, authorized such extension of time if any, as may, in his opinion be necessary or proper.

## 4. COMPLETION OF WORK

Without prejudice to the rights of NIPGR under any clause hereinafter contained on completion of the work, the contractor shall be furnished with a certificate by NIPGR or his representative of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work has been executed, all scaffolding ,surplus materials and rubbish, and cleaning off the dirt from all doors, walls, floors, or any other parts of buildings said to have been completed, and the measurements in the said certificate shall be binding and conclusive against the contractor, if the contractor shall fail to comply with the requirements of this clause as to the removal of scaffolding, surplus materials, and rubbish and cleaning off dirt on or before the date fixed for the completion of the work, NIPGR, may at the expense of the contractor have removed such scaffolding, surplus materials and rubbish and dispose of the same as he thinks fit and clean off such dirt as aforesaid and the contractor shall forth with pay the amount of all expenses so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any such sale proceeds actually realized by the sale thereof.

# 5. ADDITIONS/ALTERATIONS/ DEVIATIONS

The NIPGR, shall have power to make any alterations or omissions or additions or substitutions in the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instructions which may be given to him in writing signed by the NIPGR and such alterations, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work which the contractor may be directed to carry out in the manner above specified as part of the work shall be carried out by the contractor on same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended in the proportion that the altered additional or substituted work has to the main work at the sole discretion of the Director, NIPGR, and his decision in this regard shall be final and binding on the contractor.

All tenderers are required to quote as per specifications stipulated hereunder. Rates for all items shall be quoted as specified hereunder. After the award of the contract, the work shall be carried out as per approved samples. Rates for extra/substituted items, should they became necessary during the execution of he work shall be settled on analysis of rate to be submitted by the contractor for such items.

Quantities in the B.O.Q. or estimated quantities which can vary up to  $\pm$  50% during the execution of the work. Payment shall be made as per actual quantum executed without any change in the contracted rate due to variation in quantity, if any.

# 6. CARRYING OUT OF WORK

All the work shall be carried out in accordance strictly as per the specifications given in the tender to the total satisfaction of the Institute. In the case of an item for which specification are not available in the said specifications relevant CPWD / BIS specifications applicable as on the date of tenders shall be followed.

# 7. QUALITY CONTROL OF MATERIAL

If it shall appear to the authorized representative of the Institute, that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for or otherwise not in accordance with contract, the contractor shall on demand writing in from the authorized representative of the Institute specifying the work materials or articles complained of not with standing that the same may have been inadvertently passed ,certified and paid for forthwith rectify, or remove & reconstruct the work so specified in whole or in part as the case may require, or as the case may remove the materials or articles so specified and provide other proper and suitable material or articles at his own charge and cost and in the event of his failing to do so within a period to be specified by authorized representative of the Institute, in his demand as aforesaid then the contractor shall be liable to pay compensation at the rate of 1% on the contract agreement of work for everyday till remove, and re-execute the work or replace with other, materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

# 8. INSPECTION OF WORK

All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of authorized representative of the Institute, or his subordinate incharge of the work and the contractor shall at all times, during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer to visit the works shall have been given to the contractor, either himself be present to receive order and instructions or have a responsible agent duly accredited in writing present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

The work during its progress shall be inspected by the authorized representative of the Institute and the contractor shall extend all co-operations to the engineers inspecting the work.

# 9. AGENCY'S RISKS

All risks of loss of a or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the contract other than the excepted risks are the responsibility of the contractor.

Consultant Engineer NIPGR

# SPECIAL TERMS AND CONDITIONS OF CONTRACT

# 1. SPECIFICATIONS:

If specifications for an item of work are not covered as per approved Specifications (CPWD / BIS) of tender, the same shall be decided by the Institute and shall be binding on the contractor.

The Director shall have the power to insist upon the contractor to purchase and use such materials of approved make which may in his opinion be necessary for proper and reasonable compliance with the specifications and execution of work.

In the event of any variation/discrepancy in the specification of tender documents the decision of the Institute shall be final binding and conclusive on the contractor.

2. CONTRACTOR TO BE LIABLE FOR ALL TAXES ETC. - The rates specified in the tender shall be inclusive of GST, royalty and other taxes, etc. However if any fresh taxes are imposed by State/Central/Statuary bodies during the currency of contract, the same shall be borne by Institute.

#### 3. FORCE MAJEURE:

The right of the contractor to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor, including not limited to acts of God, or of the public enemy, restraints of a sovereign state, firms, floods, unusually severe weather.

#### 4. JURISDICTION:

Not with standing any other courts having jurisdiction to decide the questions forming subject matter of a suit any and all actions and proceedings arising out of or relative to this contract (including any arbitration in terms thereof) shall lie only in the court of competent Civil jurisdiction in this behalf at New Delhi., where this contract is to be signed on behalf of and only the said court shall have jurisdiction to try any such actions and/or proceedings to the exclusion of all other courts.

# 5. SITE WORKING RULES AND REGULATIONS:

- a) The contractor shall furnish NIPGR, the Power of Attorney name and signature of his authorized representative who will be in-charge of the execution of the works at site. The contractor shall also furnish the list of technically qualified persons employed by him for execution of the works. Daily reports of number of men employed by crafts and weekly reports of progress achieved, expected date of completion of the works and any actual or potential delays stating the reasons thereof shall be furnished by the contractor.
- b) Save as otherwise specifically provided in this Agreement the rates and prices herein, unless otherwise stipulated elsewhere in this Agreement, include all the costs, expenses and outlays of the contractor for executing the works and fulfilling all the obligations of the Contractor under this agreement.

#### 6. SCOPE OF WORK

The scope of work is as per schedule of Bill/quantity. All aspects of works requirement / scope of work including site alignment. Electric supply and water, if any, required for the execution of work shall be provided by institute from one point free of cost.

# 7. CONTRACTOR'S RESPONSIBILITY FOR THE MANNER OF EXECUTION OF WORKS

The contractor shall be solely responsible for the manner and the method of executing the work. The work shall be subject to the approval of NIPGR from time to time for purposes of determination of the question whether the work is executed by the contractor in accordance with the contract.

# 8. NO WORK SHALL BE UNDERTAKEN WITHOUT APPROVED WORKING DRAWINGS:

No work shall be undertaken at site by the contractor until detailed approved working drawings marked "Good" for execution/construction is issued by the NIPGR in writing. Any work done without the aforesaid working drawing shall be at the contractor's own risk and costs.

9. <u>TIME LIMIT</u>: The entire work is required to be completed within 45 days after the date of award of contract.

## 10. SUBMISSION OF BILLS:

Contractor is to submit the bills and record of measurements in approved Performa of the NIPGR or his representative for works executed by him. The Bill can be submitted on completion of work for release of payment and final payment will be made after completion of work.

#### 11. TERMS OF PAYMENT

The entire work executed under this contract shall be guaranteed by the contractor to give Zero defect and trouble free usage for two years after the date of completion of this contract, during this period, any defect in any component of the job on account of bad workmanship or use of sub-standard materials shall be replaced/rectified to the entire satisfaction of the Institute at his cost. The contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to him.

# 12. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK:

If it shall appear to NIPGR, or our representatives, that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to the contracted for, or otherwise not in accordance with the contract and provide other and suitable materials or articles so specified at his own cost and in the event of his failing to do so within a period to be specified by the NIPGR in his demand aforesaid, then the contractor shall be liable to pay compensation at the rate of one percent on the amount of the work order for every week not exceeding ten days while his failure to do so that continue and in the case of any such failure NIPGR, may rectify or remove, and re-execute the work or remove and replace with other materials or articles complained of, as the case may be at risk and expenses in all respects of the contractor.

- 1. The works shall be inspected by authorized representative of NIPGR. The contractor shall extend full cooperation and render all necessary facilities for inspection of the work to the inspecting authority without any additional cost to NIPGR,. It must be noted that any observations/ comments/ recommendations of the said Technical representative of NIPGR shall be binding on the contractor.
- 2. It shall always prevail, unless otherwise specifically stated, that the entire provisions of Tender document been opened upon and accepted for compliance by the contractor without any reservation.

Consultant Engineer NIPGR

# SPECIAL INSTRUCTIONS TO BIDDERS FOR REGISTRATION WITH COMPETENT AUTHORITY

# **Bidders Registration**

- 1) Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
- 2) "Bidder" for the purpose of this tender (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.
- 3) "Bidder from a country which shares a land border with India" for the purpose of this tender means:
- a) An entity incorporated, established or registered in such a country; or
- b) A subsidiary of an entity incorporated, established or registered in such a country; or
- c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d) An entity whose beneficial owner is situated in such a country; or
- e) An Indian (or other) agent of such an entity; or
- f) A natural person who is a citizen of such a country; or
- g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- 4) "The Beneficial owner" for the purpose of (3) above will be as under:
- 1) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

Explanation: -

- a) "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;
- b)"Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
- 2) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

**Tenderers Signature and Seal** 

- 3) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- 4) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- 5) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- "An Agent" for the purpose of this Order is a person employed to do any act for another, or to represent another in dealings with third persons.

# Sub-contracting in works contracts

In works contracts, including turnkey contracts, contractors shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

\*Please note that the bidders shall provide the mandatory Certificates in the following formats on their registered Company's letter heads:

# Certificate for Tenders involving procurement

"I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we certify that we are not from such a country or, if from such a country, have been registered with the Competent Authority. I/we hereby certify that we fulfill all requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

# Certificate for Tenders for Works involving possibility of sub-contracting

"I/We have read the clause regarding restrictions of procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I/we certify that we are not from such a country or, if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I/we Hereby certify that we fulfill all requirements in this regard and is/are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

**Tenderers Signature and Seal** 

#### **TERMS & CONDITIONS**

Name of Work:-

Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR Campus, New Delhi.

- 1. The firm's office establishment should be based in NCR/Delhi. The site of the work is at NIPGR Campus, Aruna Asaf Ali Marg, New Delhi-110067.
- 2. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work. The Institute shall entertain no extra claim later on. A certificate of site visit as per Annexure-II must sign as enclosed.
- 3. The bidder must visit the site before quoting the rates and make him acquainted with the location of site. The Institute shall entertain no extra claim later on.
- 4. The rates are inclusive of Transportation/travelling, lodging/boarding, loading, unloading & handling and nothing extra will be paid.
- 5. The rates shall be inclusive of GST & other taxes and nothing extra will be paid, however rate and amount of GST charged should be shown separately in Financial Bid.
- 6. All works shall be carried out as per CPWD Specifications and to satisfaction of the Institute.
- 7. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 8. The agency must get the prior approval of the material from the Institute.
- 9. The agency shall have to arrange his own tools & plants including skilled & non-skilled manpower, testing apparatus etc. required for execution of work and nothing extra will be paid.
- 10. The payment shall be made after completion of work after deductions of taxes at source as per Rules; no advance payments will be made.
- 11. Bidder should log into the site well in advance for bid submission so that he / she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 12. All papers attached with this tender should be signed & returned in original.
- 13. The work must be completed within 45 days from the date of issue of work order.
- 14. Installation of all the items will be done in the presence of Engineer-in-Charge or his authorized representative.
- 15. All papers attached with this tender should be signed by tenderer & may be verified with original. Tender shall be submitted in prescribed format issued by the department.
- 16. The performance security deposit @ 5% shall be deposited by the contractor before the start of work as performance security and shall be refunded after completion of defect liability period.
- 17. All safety precautions shall be taken so as to avoid any accident or inconvenience to the members of the staff.

- 18. False declarations will be in breach of Code of Integrity under rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for upto two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- 19. Kindly note that payment shall be made as per the actual quantities installed and not on the basis of items supplied. The final payment will only be made on the basis of the actual work / quantities executed and for this a joint measurement by NIPGR and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor. It is entirely contractor's responsibility to take dimensions, sizes from site, design the system and take NIPGR approval before actually proceeding with supply and installation of the same at site
- 20. All works along with equipment / material supplied shall be guaranteed for 24 months or for the period of standard guarantee & handover to the department. Against unsatisfactory performance and/or breakdown the equipment or component or any other part of the installation so found defective in guarantee period shall be repaired by the contractor free of cost to the satisfaction of Engineer-in-Charge.
- 21. Any alteration / modification / Civil works pertaining to HVAC work shall be done free of cost by the contractor in good manner etc., including dismantle and reinstallation of false ceiling.
- 22. In case the site clearance and damages are not attended, a recovery as per actual cost shall be made.
- 23. Agency shall inform to the Institute in advance with schedule of work for taking over the site to start the work.
- 24. The below standard work shall be redone and nothing extra will be paid.
- 25. Bidder will support all the claims by product catalogue, public website of the manufacturer.
- 26. In case of any part taken out dismantle material during the work, the same shall be handed over to the Institute.
- 27. The Institute reserves the right to reject/accept any or all tender without assigning any reason.
- 28. The Institute also reserves the right to reduce/ increase the scope of work/item of work or delete a particular item.
- 29. In case of any dispute, the decision of the Institute shall be final & binding on the agency.
- 30. Any damage to the existing installations during the execution of work will be the responsibility of the agency and will be made good to the satisfaction of the Institute and nothing extra will be paid. In case the site clearance and damages are not attended, a recovery shall be made as per Institute rules.
- 31. Any kind of accident / electrocution caused due to negligence or during the course of normal work etc. shall be responsibility of the agency and nothing extra will be paid.
- 32. All safety precautions shall be taken so as to avoid any accident or inconvenience to the members of staff. The agency shall coordinate the work with the Institute's timing schedule.
- 33. A copy of the GST & PAN No. issued by the concerned authority must be enclosed with the tender.
- 34. The Tender must be accompanied with E.M.D. amounting to Rs. 47,400.00 (Rs. Forty seven thousand four hundred only) by way of Demand Draft or Bank Guarantee in favour of "DIRECTOR, NIPGR", New Delhi. The EMD will however be released after completion of work.
- 35. Tender not accompanied with E.M.D. will not be considered.
- 36. In case, the agency fails to comply with terms & conditions the E.M.D. & Performance Security of the agency shall be forfeited.

- 37. No escalation over & above item rates quoted by the tenderer shall be paid during the execution of contract due to whatsoever reasons.
- 38. After award of work the agency shall submit complete technical data, GA Drawings for the necessary approval of the competent authority. Before dispatch the agency shall submit the QAP against which the dispatch clearance shall be provided. Further agency shall offer dry run test of the equipment being supplied and necessary test certificates, calibration certificates, Lab Test Report of the material being supplied before dispatch along with QAP
- 39. <u>Performance of the system:</u> On receipt of the work order, the contractor will submit necessary sample and other details to carry out the job. Only after getting approval from NIPGR, the contractor should go ahead with procurement and fabrication etc. The contractor on completion of the work will amply demonstrate the system and design parameters. He should supply the manufacturer's certificate /instructions, Test certificate, manual along with material/equipment.
- 40. In case the work is delayed beyond the specified completion period for reasons attributed to the contractor, deductions on account of Liquidated damages @ 1 % of the contract value per day will be deducted subject to a maximum of 10% of the total contract value. However, in case the works are delayed beyond the scheduled completion/contract period, NIPGR reserves the right to get the work done by any other contractor at the risk and cost of the contractor and amount to this affect along with 10% overhead will be deductible from his bills/dues
- 41. Specifications: Contractor is to follow relevant Indian standards codes for fire, electricity, safety and building rules. Where not specified will be as per the best industry practices, ISI marked or CPWD Technical Specifications whichever is superior. In case of any variation in specifications at different places in NIT, the best /richer specification will be considered. However, decision of NIPGR will be final.
- 42. Kindly note that payment shall be made as per the actual quantities installed and not on the basis of items supplied. The final payment will only be made on the basis of the actual work / quantities executed and for this a joint measurement by NIPGR and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor. It is entirely contractor's responsibility to take dimensions, sizes from site, design the system and take NIPGR approval before actually proceeding with supply and installation of the same at site.
- 43. The Work shall be done as per schedule of items, specification terms and conditions and instruction of Engineer-in-charge on as and when required basis.
- 44. The Contractor shall clean the site after completion of work. Any dismantled material shall be stacked in a designated place as instructed by the Engineer-in-charge.
- 45. Charges for scaffolding or jhula if any, will be considered included in the quoted rates and no extra amount will be paid on this account.
- 46. Contractor should depute a qualified supervisor dedicated for this site, who will co-ordinate work execution activities and interact with the NIPGR representative responsible for supervision of work. Without a Supervisor, work will not be allowed. All the persons deployed at NIPGR site should carry valid gate-passes. Any negligence/offence on their part will attract immediate removal from site.
- 47. The contractor will provide for all necessary materials, tools, equipment, measuring instruments and working consumables etc., needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same.
- **48.** Watch and Ward of all material till the system is taken over by NIPGR shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.
- **49.** During execution of work, the contractor should follow all standard norms of safety measures / precautions to avoid accidents / damages to man, machines and buildings. On non-adherence of this clause, suitable fines as decided by the Director, NIPGR shall be imposed.

- 50. Challan: No material belonging to the contractor whether consumable or non-consumable should be brought inside the NIPGR campus without proper entry at the main gate nor any material should be taken out without proper gate pass issued by the NIPGR. List of all inwards / outwards challan to be maintained by the contractor with a copy mark to NIPGR.
- 51. NIPGR will provide water and electricity during installation work at NIPGR at one point. The contractor has to make his own arrangements for distribution of power and water from that point as per his requirements.
- **52.** Termination of Contract: The Director, NIPGR reserves the right to terminate the contract on account of poor workmanship, failure to mobilise the site within 30 days, non-compliance of set norms/ specifications for the works, delay in progress of work, violation of any contract provisions by the contractor. In such case the contractor is liable to pay liquidated damages @ 10% of tendered value besides performance security & EMD.

#### 53. SCOPE OF WORK

- a. Dismantle of existing false ceiling, AC ducting for installation of machines. Remaking the false ceiling like existing installation. Nothing extra shall be paid for the same.
- b. Breakage of walls, making civil concreate foundations and all related civil works to make system functions,
- c. SITC of equipment's and accessories to make system functional.
- d. It shall be the responsibility of the contractor to measure or ascertain the size, dimension or any information required by himself with necessary tools during the visit at site.

# **TESTING AND HANDING OVER**

- i) The contractor shall carry out a test run for minimum 7 days from the date of installation in the presence of representatives of NIPGR to establish satisfactory functioning of the installation.
- ii) The Installations shall be handed over to NIPGR after satisfactory testing

# **SAFETY PRECAUTIONS**

- i) A competent and authorized Supervisor/Erector shall be on the site whenever the successful bidder's men are at work. The supervisor/Erector should ensure that all plant and machinery used on the site are rendered safe for working and meets with the Indian or International safety standards applicable for the use and operation of such machinery. The supervisor/erector should also ensure that the workmen at site are made to use safety appliances such as safety belts, life lines, helmets, etc.
- ii) It is entirely the responsibility of the successful bidder to practice the principles of 'SAFETY FIRST' during the entire tenure of work with adequate insurance covering injury or death of workmen, loss by theft or damage to materials and property and third party.
- iii) The successful bidder should clear the site of all debris every day to avoid accidents. In case this is not done, the Owner may engage necessary labor to maintain the cleanliness of the premises and removal of debris and recover all or part of the expenditure so incurred from the successful bidder.
- iv) The successful bidder shall, at his own cost, ensure that all of his personnel, employees, workmen and other associated persons working with him at the site are adequately insured as per lab our laws and statutory provisions. The successful bidder shall be responsible for all injuries/damages to men, materials and properties etc., which may arise from the operations or negligence of himself and/or his sub- contractor and indemnify NIPGR for all such expenses, which shall be solely to successful bidder's own account.'

# 54. INSURANCE

The successful bidder shall, at his own expense, arrange for insurance policies, such as Workmen Compensation Policy and Bidder's All Risk Policy in the amount of the Contract effective from the date of commencement of work until final completion, against all of the following risks.

i) Injuries and damage of persons, property, animals or things, within or outside the site, arising out of his operations or of any sub-contractors, nominated or otherwise or out of any actions of his employees, agents or representatives.

- ii) Injuries to his or any sub-contractor's employees.
- iii) Damage to or loss of property, equipment, and materials at site, of the Owner, Bidder and all sub-contractors, as a result of natural causes such as lighting, storm, flood, rain, fire, earthquake, explosion, landslide, etc.
- iv) Damage and injuries to persons, property and materials arising out of riot and civil commotion, theft, sabotage malicious acts, terrorist activities, etc.
- v) No certificate of payment shall be issued by NIPGR if the Bidder fails to arrange for total insurance cover.
- vi) The bidder shall reinstate in a manner approved by the Project Manager, all damage of every sort entirely at his cost, so as to deliver up to the Owner the whole of the works complete and perfect in all respects and so certified by the NIPGR and also be made good or otherwise satisfy all clause for damage to the property of third parties.
- vii)The bidder shall be responsible for anything within his control and for all risks and consequences, which are not included in the purview of the insurance policies.
- viii) The insurance shall be extended until final completion.
- ix) The bidder undertakes not to cancel any insurance policy or reduce its scope without the written consent of the NIPGR.

# 55. After sales service:

- The agency shall attend and rectify the complaint raised by the Institute during the defect liability period. If any complaint remains pending due to contractors negligence or any other reason for which contractors is held responsible recovery will be made as under.
  - a) The complaint should be attended within 08 hours after getting the complaint. If not attended, a penalty @Rs. 1000 per day per complaint shall be levied subject to maximum of Rs. 10,000.00
  - b) For any total breakdown due to contractor's negligence / poor maintenance, a penalty as per actual cost incurred shall be levied and the decision of Institute shall be final and binding on contractor.
  - b) All the complaints must be rectified within 48 hours after getting the complaint. If not rectified a penalty @Rs. 5000 per day per complaint shall be levied. In case the contractor fails to rectify complaint subsequently for seven days, the Institute is at liberty to get the complaint rectified at its own and at the cost of the contractor

Consultant Engineer NIPGR

# (Undertaking on a Non-Judicial Stamp Paper worth Rs. 100/- duly notarized)

I / We (bidder) hereby give an undertaking that:

- (a) I/We have not been blacklisted / not on holiday list during last three years by any Govt. Department/Govt. Autonomous Body / Institution, etc.
- (b) I/We do not have any dispute with any of the Govt. Department/Govt. Autonomous Bodies/Institutions, etc.;
- (c) I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Department/Govt. Autonomous Bodies/Institutions;
- (d) I/We have not submitted any fake/forged certificates/documents and later, if any such 'Certificates/Documents' found to be fake/forged or contains willful wrong/incorrect information, suitable legal action may be initiated against me/us/agency besides "Blacklisting' etc.
- (e) I/We shall not withdraw my/our bid after opening of Technical Bid and if done so, the NIPGR shall be authorized to take action as deemed appropriate against me/us.

(Signature of Authorized Signatory with Company Seal)

Place:

Date:

# 'CERTIFICATE FOR SITE INSPECTION' Pre-qualification criteria of NIT

A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work. The Institute shall entertain no extra claim later on.

(Signature of Bidder with Seal)

Name:

Address:

Date:

Consultant Engineer

# CHECK-LIST FOR PRE-QUALIFICATION BID FOR NAME OF WORK: Establishment of Infrastructure for HRD Conference Room regarding supply, installation, testing & commissioning of HVAC system in Lab 007 at NIPGR Campus, New Delhi.

SI. No.	Documents asked for	Page number at which document is placed
1.	Earnest Money / Bank Guarantee	•
2.	Tender Documents	
3.	Name of authorized person of the firm/agency, designation, address and office telephone numbers. If the bidder is a partnership firm/private or limited company, name designation, address and office telephone numbers of partners/ Directors also.	
4.	Undertaking on a Non-judicial Stamp Paper of Rs.100/- (as per format prescribed in Annexure-I)	
5.	Certificate for Site Inspection with seal & signature of agency.	
6.	Self-attested copy of the PAN card & GST, issued by the Income Tax Department.	
7.	Proof of experiences / Completion Certificates of last seven-years ending June-2024 as specified in the NIT along with satisfactory performance certificates and work order copy from the concerned employers.	
8.	Annual turnover of last three financial years during the last three years duly certified by the Statutory Auditors.	
9.	OEM Authorization letter along with Self-Certification on the registered OEM's Company's letter head in respect of Class -I/Class-II Supplier Certificate as per Annexure-IV	
10.	Certificate for Tender's involving procurement on letter head of company/firm as per Annexure – V	
11.	Certificate for Tenders for Works involving possibility of sub- contracting on letter head of the company/firm as per Annexure-VI	
12.	Documents in support of company/firm/agency's office establishment is based in NCR / Delhi.	
13.	Copy of E.M.D. in form of D.D. or Bank Guarantee from any commercial bank or copy of registration with MSME & NSIC for the desired activities / services are exempted for submission of EMD.	
14.	Any other documents, if required.	

Signature of the Bidder (Name and Address of the Bidder) Telephone No.

# 

In line with Government Public (BE-II) dated 28.05.2018, P-45 16.09.2020, we hereby certify	5021/2/2017-PP (BE-II) da	ted 29.05.2019 and P-4	5021/2/2017-PP (BE-II) da	ated M/s
minimum local content i.e 50% material/goods	or 20% (Please tick the being	applicable criteria) defi quoted	ned in as above orders for	the for
Details of location at				
under Rule 175(1)(i)(h) of the Gotwo years as per Rule 151 (iii) of under law.	eneral Financial Rules for w	hich a bidder or its succe	essors can be debarred for u	p to
Date:	Signature of Authorized Si	gnatory with Company S	Seal	
Place:				
Mobile No:				
Office Telephone No:				
Email ID: Office Seal:				

# Certificate for Tenders involving procurement

"I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we certify that we/our principles are not from such a country or, if from such a country, have been registered with the Competent Authority. I/we hereby certify that we fulfill all the requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

(Signature of Authorized Signatory with Company Seal)

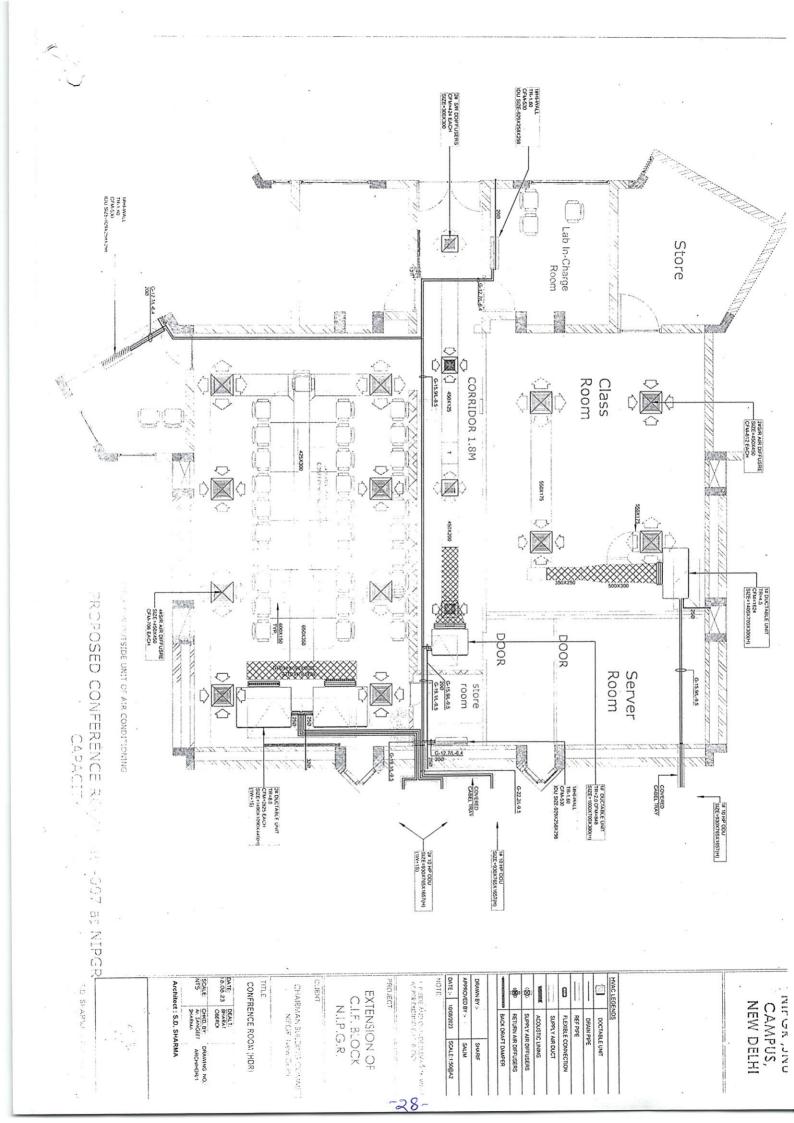
Note: The Certificate should be printed on the Company's letter head.

# Certificate for Tenders for Works involving possibility of sub-contracting

"I/We have read the clause regarding restrictions of procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I/we certify that we/our principles are not from such a country or, if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I/we Hereby certify that we fulfill all requirements in this regard and is/are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

(Signature of Authorized Signatory with Company Seal)

Note: The Certificate should be printed on the Company's letter head.



	TECHNICAL SPECIFICATIONS	Ì	
SI. No.	Item Description	Quantity	Units
_		ARTHUR AND WAS ASSESSED.	
1	2 SUB WORK 'A'-MACHINERY	3	4
	Variable Refrigerant Volume / Flow system - Daikin / LG / Mitsubishi	-	
	Heavy		
	Supplying, Installation, testing and commissioning of following nominal capacity Air Cooled 100% Inverter based Variable retrigerant flow / volume Scroll modular type air-conditioning system. The units shall be suitable for operation on 3 phase Supply. The units shall have cooling and heating type, low noise condenser fans, auto address setting, auto check function for connection error and complete with indoor and outdoor units with individual controller and with fittings etc. as per quantity given below including full charging of R-410A refrigerant gas i/c powder coating of all metalic encloser. The fan static pressure of the outdoor unit shall be more then 75 Pa to avoid hot air recirculation. Condenser shall have with hydrophilic coating and corrosion resistance Ocean Black Fin coating. The compressor shall have inverter technology i.e outdoor units shall have all inverter compressor. The manufacture of ODU and compresser shall be same i.e make of compressor shall be identical of the ODU make. The scope includes dismantling & remaking of false ceiling, all civil workis, foundation works in the above item		
1.1	Supply Instalaltion, testing & commissioning of Outdoor Unit		
	COP of system 3.7 at 100% load & 7.50 at 50% at AHRI condition. The unit shall also have feature to automatically modulate the evaporative temperature between 6 deg C to 10 deg C with respect to load for better comfort and energy efficiency.  Operating range  Outdoor Unit shall be capable of maintaining continuous compressor operation under all of the following operating ambient air conditions.  a) Operating ambient air conditions  - Cooling: -5°C DB to 53°C DB  No derating of cooling capacity at 39 deg C ambient  Inverter PCB cooling: Cooling of the inverter PCB shall be conducted by		
	way of high pressure, sub-cooled liquid refrigerant via heat exchanger attached to rear side of inverter PCB. The full capacity flow of refrigerant shall pass through the heat exchangers to maximize the cooling effect of the PCBs and to aid in the evaporation process and capacity of the outdoor coil during the heating mode. The recovered heat of the PCBs must be used to enhance the overall heating process, other uses or dissipation of heat to ambient shall not be permitted.		
a	10 HP capacity	3	each
b 2	6 HP capacity INDOOR UNIT-DUCTABLE TYPE	1	each
	Supply, installation, testing and commissioning of following minimum capacity and external static pressure VRF/VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, cordless remote control, outer cabinet, vibration isolators, drain pan, other necessary supports etc., suitable for operation on single phase AC supply 230 V ± 10%, 50 Hz complete as required. The unit shall have automatic force shut down provision in case of fire on receiveing signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.	·	
	Mid Static Ductable units (minimum 45 pascal external static pressure)		
_	2.0 TR	1	each
	High Static Ductable units (minimum 110 pascal external static pressure)		Cacii
.2	8.0 TR	2	each

SI. No.	Item Description	Quantity	Units
1	Note: Period of the state of th	3	4
	Note:- Backdraft dampers shall be provided at the outlet of each 8.0 TR ductable unit.		
3	INDOOR UNIT-HIWALL TYPE		
	Supply, installation, testing and commissioning of Wall mounted Type		
	Indoor Units each complete with coil, filter, etc. Air conditioners with		
	evaporating unit comprising of cooling coil, blower with motor suitable for operation on 230 volt, 1 phase, 50 Hz. AC supply and as per specifications.		
	The rate shall include cost of cordless Remote controller. Top Plugs		
	complete length of required size drain pipes and all other accessories		
	required for full-fledged operation of system. Nothing extra shall be paid in		
3.1	1.6 TR	3	each
4	Supply, Installation, Testing and commissioning of Imported fittings (Ref	3	Nos.
5	Net) Y-joints etc Supplying, installation, testing and commissioning of Central Remote		
	Controller for integrating and effecient control of Indoor and Outdoor Units	I	Set
	from Station Controller room. Rate shall include all required and associated		
	accessories for complete functionality of the equipment as per technical	+	
	specification. The equipment shall have inbulit compatability for integration		
	with BMS susytem through RS485 communication port with MODBUS		
	TOTAL SUB WORK 'A'		
	SUB WORK 'B'- AIR DISTRIBUTION		
1	DUCTING, GRILLS, DIFFUSER AND INSULATION		
	Supply, installation, balancing and commissioning of factory fabricated GSS		
	sheet metal rectangular/round ducting complete with neoprene rubber		
	gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete		
	as required.		
1.1	Thickness 0.63 mm sheet (24G)	50	Sqm
	Thickness 0.80 mm sheet (22G)  Make: Ductofab/ADS/Zeco	10	Sqm
	Make for GSS Sheet: TATA/Bhushan/SAIL		
2	Duct Insulation		
ľ	Supplying , installation, testing & commissioning of external thermal		
l,	insulation on ducts with Duly laminated aluminum foil of mat finish Closed Cell Nitrile Rubber (class "O") insulation after applying of suitable adhesive		
1	for nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm		
1	thick self adhesive nitrile rubber tape insulation complete as per tender		
2.1	Specification  19 mm thick Closed Cell Nitrile rubber insulation with Factory Laminated	50	0
	Aluminium Foil for Supply Air Duct	50	Sqm
	Makes: Armacell/A Flex/ K Flex		
	Acoustic Lining Supply, Installation, Testing and Commissioning of Acoustic lining inside		
,	ducts using open cell elastomeric insulation with antimicrobial protection		
}	naving 140-160 kg/cum density & as per specifications		
	5mm thick armasound Makes: Armacell/A Flex/ K Flex	10	Sqm
4 5	Supply Air Diffuser		
S	Supplying, fixing testing commissioning of supply air diffusers of powder	1	Sqm
C	oated aluminium with aluminium volume control dampers with anti		1
	mudge ring & removable core Make: Mapro/ADS/System Air / Caryaire		
5 F	Return Air Diffuser		
S	supplying, fixing testing commissioning of supply air diffusers of powder	1	Sqm
l c	oated aluminium with aluminium volume control dampers with anti		
	made mig & removable core		
S	Make: Mapro/ADS/System Air / Carvaire		
S N	Make: Mapro/ADS/System Air / Caryaire OTAL SUB WORK 'B'		
S N T	Make: Mapro/ADS/System Air / Caryaire		

SI.	Item Description	Quantity	Units
No.		ESSENCED CONTRACTOR OF THE SECOND	TARE TO SERVICE OF THE SERVICE OF TH
		ence enclosed	
	TO CHARLES AND		and dissillations and the
	A Comprehensive State of the Local State of the Comprehensive of the Com		
1	2	3	4
	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper		
	refrigerant piping for VRV/VRF system, complete with fittings, with suitable		
	adjustable ring type hanger supports, jointing/brazing including accessories,		
	insulated with XPLE Class-O tubular insulation/with Class-O closed cell		
	elastometric nitrile rubber tubular sleeves sections of specified thickness as		
	given below for Suction and Liquid lines, all accessories as per specifications etc as required		
	(1)		
1.1	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm thick insulation	10	RM
1.2	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm	25	RM
1.0	thick insulation		
1.3	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm thick insulation	12	RM
1.4	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13	5	RM
, -	mm thick insulation		
1.5	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 13 mm thick insulation	10	RM
1.6	22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 13 mm	10*	RM
	thick insulation		2472
1.7	28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	10	RM
	NOTE:- (1) The Copper Piping & Piping Circuit should be with Minimum		
	Number of joints, which shall be attained by:		
	(i) Using One End Expanded Tubes		
	(ii) Bending the tubes instead of using elbow joints wherever 90 degree		
	bending is required.  (2) Piping should be routed at site in such a manner, that brazed joints in the		
	refrigeration piping are kept to a minimum.		
	(3) The makes of tube fittings shall be same as that of tubes		
	(4) The thickness of fittings used shall be same as that of the pine Makes of Copper Pipe: Mandev/Rajco/Maxflow		
	Makes of XLPE Insulation: Trocellen/CANI/Armacell / K Flex		
2	PVC Drain Piping		
	Supply, Installation, testing and commissioning of PVC piping complete		
	with fittings, supports accessories in surface/recess as per specifications &		,
	site requirments including with duly insulated with 6 mm thick sleeve of nitrle rubber having K value 0.033 W/MK at 10 deg. C mean temp, and		
	minimum density of 25 Kg/Cum. Insulation on drain pipe		
2.1	25 mm Dia 32 mm dia	35 5 **	m
2.2	Makes: AKG/Supreme/Astral	3 .	m
	TOTAL SUB WORK 'C'		
D	SUR WORK 'D'. ELECTRIC WORKS		
1	SUB WORK 'D'- ELECTRIC WORKS Weather Proof isolators for Outdoor Units		
	Supplying, installation testing and commissioning of 415 volt three phase		
	and neutral swith outlets TPN MCCB/MCB iasolator in weather proof IP 65		
	enclosure. The quantities of isolators is as follows.		
1.1	40 amps TPN MCB in weather proof enclosure for 1 Nos. 10 HP VRV	3	each
1.2	outdoor units.  32 amps TPN MCB in weather proof enclosure for 1 Nos. 6 HP VRV	1	each
10.00	outdoor units.	v <b>a</b> e	Cucii
2	Makes: LEGRAND/ABB/ SEIMENS / L & T Power Cabling		
	Supply and laying of the following 1100 volt grade armoured XLPE		
	insulated and PVC sheathed aluminium conductor cable in trench / cable		
	tray /clamped to wall with suitable clamps saddles & fixing bolts/including		
	testing & commissioning complete as required. The costs shall include		
	crimping tinned heavy duty alluminium lugs, compression glands requisite materials for all cables and to provide with 1D gap & shall be properly		
	clamped with cable clamps & ties. Identification tags shall be provided for		
	all cables including cable end termination.	~	
2.1	4 core 10 Sq mm	10	RM
	1	10	Tixia

SI. No.	Item Description	Quantity	Units
		Autiliana in diament	
1	2	3	4
2.2	4 core 6 Sq mm	10	RM
	Makes: POLYCAB / FINOLEX / KEI		
3	CONTROL CABLING		
	Supply, laying, testing and commissioning of PVC insulated and PVC		
	sheathed, unarmoured, Copper Conductor of 1.1 KV grade on existing cable		ı
	trays as per Standard specification including end termination as required.		
3.1	2C x 1.0 Sq mm	20	RM
3.2	3C x 2.5 Sq mm	30	RM
	Makes: POLYCAB / FINOLEX / KEI		
4	Electrical Cable Tray		
	Supply and installation of following size of perforated painted with powder		
	coating G I cable trays with perforation not more than 17 5%, in convenient		Ţ.
	sections, joined with connectors, suspended from the ceiling with G.I.		
	suspenders including bolts & nuts, painting suspenders etc as required.		
4.1	100 mm width X 50 mm depth X 1.6 mm thickness	10	RM
4.2	250 mm width X 50 mm depth X 1.6 mm thickness	40	RM
5	Earthing		
	Makes: RALBO/ MEM / SLOTCO		
	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop	80	RM
Emiliar Sala	earthing as required.	The later separate and the second	
A BUREAU BUREAU	TOTAL SUB WORK 'D'		
1	SUB WORK 'A'-MACHINERY		
2	SUB WORK 'B'- AIR DISTRIBUTION		
3	SUB WORK 'C'- PLUMBING		
4	SUB WORK 'D'- ELECTRIC WORKS		
Total in fig	ures		
	ite in Words		
	Consultant Engineer	Seal & Signa	ature of Contractor

				ch	3 each	Supply, Installation, Testing and commissioning of Imported fittings (Ref	4
				909		1.6 TR	3.1
				Prostoro de de composito		Indoor Units each complete with coil, filter, etc. Air conditioners with evaporating unit comprising of cooling coil, blower with motor suitable for operation on 230 volt, I phase, 50 Hz, AC supply and as per specifications. The rate shall include cost of cordless Remote controller, Top Plugs, complete length of required size drain pipes and all other accessories required for full-fledged operation of system. Nothing extra shall be paid in this account.	
				nie ni		Supply intelligent and	u
				each	ea	Note:- Backdraft dampers shall be provided at the outlet of each 8.0 TR ductable unit.	
				each	2 08	4.5 TR	2.3
						8.0 TR	2.2
		•		each	- 6	High Static Diotekto	2.1
						Mid Static Ductable units (minimum 45 pascal external static pressure)	
EFILLED	12 o J	70	2			Supply, installation, testing and commissioning of following minimum capacity and external static pressure VRF/VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, cordless remote control, outer cabinet, vibration isolators, drain pan, other necessary supports etc., suitable for operation on single phase AC supply 230 V ± 10%. 50 Hz complete as required. The unit shall have automatic force shut down provision in case of fire on receiveing signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree CDB and 19 Degree CWB temperature.	
		a cod		each	_	INDOOR UNIT-DUCTABLE TYPE	2
				each	٠, ر	6 HP capacity	ь
						10 HP capacity	a
	ender us som					way of high pressure, sub-cooled liquid refrigerant via heat exchanger attached to rear side of inverter PCB. The full capacity flow of refrigerant shall pass through the heat exchangers to maximize the cooling effect of the PCBs and to aid in the evaporation process and capacity of the outdoor coil during the heating mode. The recovered heat of the PCBs must be used to enhance the overall heating process, other uses or dissipation of heat to ambient shall not be permitted.	
8	7	6	0	;	,	inverter PCB cooling: Cooling of the inverter PCB shall be conducted by	
(Col. 3 x 5)			n	A	ω	Investor POP 2	_
TOTAL TOTAL AMOUNT AMOUNT Without With Taxes Taxes in Rs. P Rs. P (Col. 3 x 7)	Total Unit Rate with GST (Col. 5+6)	GST in Rs. P (Col. 5 x % of GST)	In Figures To be entered by the Bidder in Rs. P	Cilis			Z
1		-	I WIT DATE	Ilaita	Quantity	l. Item Description	S.
NUMBER# NIMBER#	NUMBER #	NUMBER	NUMBER TEXT # NUMBER #	R TEXT #	NUMBER	IEXT#	#

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Supplying intaliation, testing and commissioning of Central Remote Controller for integrating and commissioning of Central Remote Controller for integrating and extension of induced and technical specification in the quayment and inches specification with BAS susprise mixing and commissioning of Central Remote Controller for integrating and extension of induced and technical specification in the quayment and inches and technical specification in the quayment and inches and technical specification in the quayment and inches and technical specification in the quayment and technical specification in the quayment and inches and technical specification in the quayment and inches and technical specification in the quayment and the BAS supply in t	T	Sin Si	5 R			4	3.1 h d (	3	,	2.1			2		1.2	5 =			-		ia,			S			N S
Quantity Units   Unit RATE   GST   Total Unit   In Figures   In Figures   In Rate with   To be   Rs.   P   GST   the Bidder   (Col. 5 x   In Rs.   P   % of GST)   (Col. 5+6)   Set   Se	OTAL SUB WORK 'R'	ipplying, fixing testing commissioning of supply air diffusers of powder ated aluminium with aluminium volume control dampers with anti- udge ring & removable core ake: Manro/A December Additional Actions and A	stum Air Diffuser	nated aluminium with aluminium volume control dampers with anti nudge ring & removable core ate: Mapro/ADS/System Air / Convolution	upply Air Diffuser	Iakes: Armacell/A Flex/ K Flex	upply, installation, Testing and Commissioning of Acoustic lining inside ucts using open cell elastomeric insulation with antimicrobial protection aving 140-160 kg/cum density & as per specifications	veoustic Lining	Makes: Armacell/A Flex/ K Flex	9 mm thick Closed Cell Nitrile rubber insulation with Factory Laminated	Insulation on ducts with Duly laminated aluminum foil of mat finish Closed Cell Nitrile Rubber (class "O") insulation after applying of suitable adhesive for nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as percender specification.	Supplying, installation, testing & commissioning of external thermal	Duct Insulation	Make: Ductofab/ADS/Zeco	A Linickness 0.80 mm sheet (22G)	Thickness 0.63 mm sheet (24G)	gaskets, elbows, splitter dampers, vanes, hangers, supports etc as per approved drawings and specifications of following sheet thickness complete las required.	Supply, installation, balancing and commissioning of factory fabricated	DUCTING GRILLS DIFFERED AND TOTAL	TOTAL SCE WORK A	MODBLIS protocol TOTAL STIR WORK 1.1	asssociated accessories for complete functionality of the equipment as per technical specification. The equipment shall have inbulit compatability for integration with BMS streets.	from Station Controller room. Rate shall include all required and	Supplying installation, testing and commissioning of Central Remot	22		Item Description
GST Total Unit in Rate with Rs. P GST (Col. 5 x % of GST) (Col. 5+6) 6 7	1				_											5				0.1					entre de		Omant #
GST Total Unit in Rate with Rs. P GST (Col. 5 x % of GST) (Col. 5+6) 6 7		m mi		qm	Anna	qm	8539133333333		nthe	Com				Sqm	Sqm								SCL			SULPHANE TOWN THE PARTY OF	Hall
GST Total Unit in Rate with Rs. P GST (Col. 5 x % of GST) (Col. 5+6) 6 7												2	,											5	Rs. P	CHARLES BUILDINGS AND	
Total Unit Rate with GST  (Col. 5+6)  7												) (	1											6	(Col. 5) % of GS	in Rs.	
TOTAL AMOUNT Without Taxes in Rs. P												0 15 1	7,0											7	The second		-
ACCOMMON TO A COMMON TO A COMM												1 2	コロライ											8	Water and the same	ALLENDAY.	NOWIDEX #

#	TEXT #	NUMBER	TEXT #	NUMBER TEXT # NUMBER #	NUMBER	NIMBED	
No.	Item Description	Oliantity	I lacida.	NOME OF T	NOMBER	NUMBER #	NUMBER #
, C		Quantity	Units	UNIT RATE In Figures To be entered by	GST in Rs. P	Total Unit Rate with GST	TOTAL AMOUNT Without Taxes
				Rs. in	(Col. 5 x % of GST)	(Col. 5+6)	Rs.
<u> </u> -	2	a)				in contract of the contract of	(Col. 3 x 5)
SI	SUB WORK 'C'- PLIMRING		4	5	6	7	8
1 RI	REFRIGERANT PIPING						
Su	Supply, Installation, testing and commissioning including vaccinations		Ш				
anı	and Nitrogen testing of following nominal sizes of soft/hard drawn copper						
Sui	suitable adjustable ring translations. System, complete with fittings, with						
acc	accessories, insulated with XPLE Class-O tubular mentalization for including						
clo	closed cell elastometric nitrile rubber tubular sleeves sections of specified		31.77				
spe	specifications etc. as required:			*			
1.1 6.4 thic	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm	10 RM					
1.2 9.5	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 13 mm						
1.3 12.7	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 12.	IAN I					
14 mm	mm thick insulation	12 RM					
	mm thick insulation with tube thickness 1.2 mm with 13	5 RM			1	0	)
thick	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 13 mm	10 RM		200	1 1	0 15 %	7
1.6 22.2 thick	22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 13 mm	10 RM					
1.7 28.58 mm t	28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19						
NOT	NOTE:- (1) The Copper Piping & Piping Circuit should be with Minimum						
(i) Us	(i) Using One End Expanded Tubes						
bendi	bending is required						
(2) Pi	(2) Piping should be routed at site in such a manner, that brazed joints in						
(3) Th	(3) The makes of tube fiftings shall be						
Make	Makes of Conner Pine: Mandal						
	of XLPE Insulation: Tracellar/CANIA						
2 PVCI	PVC Drain Piping		Ш				
Supply	Installation, testing and commissioning of PV/C pining		Ш				
with f	with fittings, supports accessories in surface/recess as per specifications & site requirments including that the state of						
nitrle r minim	nitrle rubber having K value 0.033 W/MK at 10 deg. C mean temp. and minimum density of 25 Kg/Cum. Insulation on drain prine						
2.1 25 mm Dia	Dia						
	dia	35 m					
Makes	Makes: AKG/Supreme/Astral	5 m					
TOTAL SUBMODIS							

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								FOTAL SUB WORK 'D'	-	
					Militia Control	0 RM	oop 80	earthing as required.	ea	
								Makes: RALBO/ MEM / SLOTCO Providing and fixing 6 SWG dia G1 with the state of the	Pr	
					Stitus	Ш	40	Earthing Copin A 1.0 min mickness		S
						10 RM	_	250 mm Width X 50 mm depth X 1.6 mm thickness		4.1
							c as	required suspenders including bolts & nuts, painting suspenders etc as		:
							ling	convenient sections, joined with connectors, suspended from the ceiling	ξ Ω	
							wder	coating G.I. cable trays with perforation not more than 17 50.	S	
						+		Supply and installation of 6.11		
						50 RM		Makes: POLYCAB / FINOLEX / KEI		4
								3C x 2.5 Sq mm		3.2
								Sq mr		3.1
					inenij-		isting m- as	v grade on ex	T C .	
						$\parallel$	PVC	Supply, laying, testing and commissioning of PVC insulated and	0	
					1	MA		CONTROL CABLING	3	
						IO RM	+	Makes BOLVE I	2.2	1
							+	4 core 10 Sq mm		J
RHIFA	T	386	770	20			led for	all cables including cable end termination.		,
							quisite	materials for all cables and to provide with 1D gan & shall be recognite		
							nclude	testing & commissioning complete as required. The costs shall include		
							/ cable	tray /clamped to wall with suitable clamps saddles & fine 1.1.		
							XLPE	Supply and laying of the following 1100 volt grade armoured XLPE		
								Power Cabling	2	
					·			Makes: LEGRAND/ARR/ SEIMENG / 1 6 T		
					200	-	VRV	32 amps TPN MCB in weather proof enclosure for 1 Nos. 6 HP VRV	1.2	
					each	ъ	10 HP VRV	40 amps TPN MCB in weather proof enclosure for   Nos. 10 HF outdoor units.	;	
							of IP 65	enclosure. The quantities of isolators is as follows.		
							e nhace	Supplying, installation testing and commissioning of 415 volt three phase		
								Weather Proof isolators for O. T	-	П
79	8	7	6	5	4	ω	_	SIB WORK IN THE STREET	=	
P (Col. 3 x 3 x 5)	(Col. 3	(Col. 5+6)	% of GST)	٦				2	_	
-	PATRICK TRANSPORT	Rate with GST	Rs. P	To be entered by the Bidder						
2745	4100	Total Unit	GST	UNIT RATE	Units	Quantity			No.	
NUMBER # NUMBER #		NUMBER #	NUMBER	NUMBER TEXT # NUMBER #	TEXT #	NUMBER #			Si.	$\top$
								BEX TEXT#	NOMBER	_

		Total in figures Quoted Rate in Words	4 3 S	2 8	<b>-1</b>			No.	SI.	NUMBER #
Consultant Engineer		res in Words	3 SUB WORK 'C'- PLUMBING 4 SUB WORK 'D'- ELECTRIC WORKS	SUB WORK 'B'- AIR DISTRIBITION SUB WORK 'B'- AIR DISTRIBITION	2				Item Description	TEXT#
				3		ireya ke		Quantity	#	NUMBER
				4				Units	7	# TX3T
		0.00	`	5			In Figures To be entered by	UNIT RATE	אַכואומת #	NUMBER TEXT #   NIIMBED #
Seal & Sig		0.00	V0T7	6		(Col. 5 x	ZJ	GST	NUMBER	
Seal & Signature of Contractor	9.00	000	086	7	(0.0.0)	(Col fee)	Rate with GST	Total Unit	NUMBER #	
ntractor	0.00		C21117380	8	(Col. 3 x 5)	in Rs. P	AMOUNT	TOTAL	NUMBER # NUMBER #	
	0.00		1631	9	(Col. 3 x 7)	Rs. P	AMOUNT With Taxes	TOTAL	NUMBER #	

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