

# TENDER DOCUMENT

**NAME OF WORK: - Supply, Installation, Testing and Commissioning of 2.0 Tr Capacity Inverter Type Hi wall split Air conditioning units for 3-D Hall at Kurukshetra Panorama & Science Centre, Kurukshetra..**

**National Science Centre  
Near gate No. 4, Pragati Maidan  
Bhairon Marg, New Delhi – 110001  
(A constituent unit of National Council of Science Museums)**



**NATIONAL COUNCIL OF SCIENCE MUSEUMS**

## NOTICE INVITED TENDER

Tender No. . NSCD/ 15014/3/Ltd Tender/01/2022-23/AC

**Tender for Supply, Installation, Testing and Commissioning of 2.0 Tr Capacity Inverter type Hi wall split Air conditioning units for 3- D Hall at Kurukshetra Panorama & Science Centre, Kurukshetra.**

### **General Terms & Conditions**

1. Name of the Museums/Centre: **National Science Centre, Delhi**
2. Sealed tenders are invited from reputed authorized distributors/dealers having after sale service facility for “**Supply, Installation, Testing and Commissioning of 2.0 Tr Capacity Inverter Type Hi wall split Air conditioning units for 3-D Hall at Kurukshetra Panorama & Science Centre, Kurukshetra**”.
3. Place of work: **Kurukshetra Panorama & Science Centre, Kurukshetra.**
4. The estimated cost of the work is approximately **Rs. 1.5 Lakhs**
5. Time for carrying out the work will be **Four Weeks** from the date of issue of LOI for the work.
6. The Successful tenderer will be required to execute an agreement with the Centre on a Non-judicial stamp paper of denomination Rs.100/- on award of the work.
7. Sealed tender will be accepted up to **3.00 p.m. on 18/05/2022** and the same will be opened at **3.30 PM on 18/05/2022** in presence of available contractor in the office of National Science Centre Pragati Maidan, Near Gate No 4, New Delhi in presence of tenderers who may like to attend. The tender documents can also be down loaded from the Centre’s website [www.nscd.gov.in](http://www.nscd.gov.in). Tenders received after the due date shall not be accepted and will be rejected straightway without any further reference.
8. The Earnest Money amounting to Rs. 3800/- (being 2.5% of the total value of the estimate) is to be deposited only in Cash/Bank Draft issued by a Scheduled Bank /Banker’s Cheque from a Scheduled Bank in favor of National Science Centre, payable at New Delhi. In case of cash deposit, it will be received on any working day from 11.00 AM to 3.00 PM prior to last date of submission of tender in the office of the Museums/Centre and a receipt for the same will be issued to the depositor. Documents confirming Earnest Money deposited in either form as detailed above must accompany the Part I of tender. Tenders accompanied by EMD and received within the stipulated period will be opened. No deviation from the mode of depositing earnest money as stipulated will be permissible and any deviation will render the tender(s) liable for rejection. Banker’s Cheque or Demand Draft drawn on outstation Bank

must include Bank commission, failing which, the earnest money deposited shall be deemed as inadequate.

9. Performance guarantee 3% of tendered value to be deposited after adjusting 2.5 % EMD of successful tenderer on award of work before signing of agreement through Demand Draft issued by a Nationalised Bank/Certified Cheque from a Nationalized Bank or through NEFT/RTGS in the account of National Science Centre, Delhi detail of which is given in this tender document. It is to be noted that the Demand Draft for the Performance guarantee is to be drawn or duly pledged as the case be, in favour of the NATIONAL SCIENCE CENTRE payable at NEW DELHI.
10. Tenderers should submit undertakings and declaration as per the **Annexure- A & B** of the tender.
11. Tenderers/bidders are requested to note that they should necessarily submit their offer in the format provided in the tender and no other format shall be acceptable.
12. The Centre reserves the right to alter the dates of issue, receipt or opening of tender. The contractors should quote their rates in figures as well as in words.
13. The lowest offer will be accepted based on the overall lowest offer considering all the items of work. The Museum/Centre does not bind itself to accept the lowest tender and reserves to itself the right to reject wholly or partially, accept any or all the tenders, without assigning any reason whatsoever.
14. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection on that ground alone.
15. Tenders incorporating additional conditions are liable to be rejected.
16. Over writing in the offer form is not permitted and shall be rejected straightway without giving any reason.
17. The contractors must declare in writing that neither he nor any of them are in any way related to any officer in the National Council of Science Museums or any of its constituent units. (as per enclosed Annexure-A)
18. GST or any other tax or duties on materials in respect of this contract will be payable by the contractor. Nothing extra will be payable for increase in such taxes or duties even if imposed or levied either before or after the tenders are opened or during currency of contract.
19. Before submitting the tender the contractor shall examine all specifications, drawings and conditions of contract and inspect the site, if necessary.

20. The successful tenderer will be issued a Letter of Intent by the Museum/Centre and given one-week **mobilization time**, unless and otherwise indicated in the letter of intent, which shall be counted from the date of issue of the Letter of Intent. During the mobilization time the tenderer must obtain clarification if any from the Museum/Centre wherever necessary. During the mobilization time the tenderer shall also mobilize all his resources including men and materials, for the awarded work. **The date of commencement of work shall be the date of Letter of Intent.**
21. The tender must be submitted in two separate sealed envelopes marked **Part I** and **Part II** and addressed to the National Science Centre, Delhi and each envelope to be superscribed “**Supply, Installation, Testing and Commissioning of 2.0 Tr Capacity Inverter Type Hi wall split Air conditioning units for 3-D Hall at Kurukshetra Panorama & Science Centre, Kurukshetra**”
- The contents of **Part I** and **II** will be as follows:
- (a) The sealed envelope marked **Part I** shall contain the following documents only:
- (i) Earnest Money in the form as described in clause 8 of the Notice Inviting Tenders.
  - (ii) Forwarding letter (in duplicate) clearly indicating the documents attached therein.  
The contractor has to clearly indicate in the forwarding letter that he has not quoted any extra condition along with the tender in the **part I** sealed envelope.
  - (iii) Copies of GST & PAN Numbers.
  - (iv) Declarations, undertakings and tender acceptance etc. as **per Annexures A & B**
  - (v) The General terms and conditions of the tender duly signed and sealed on all pages, failing which, the tender shall liable to be rejected.
- (b) The sealed envelope marked **Part II** shall contain the financial bid on the offer form.
22. Income tax and labour cess will be deducted at source on the value of work from the bill as per the prevailing rules. The contractors are required to submit copies of GST& PAN Numbers in part –I of the tender as stated above.
23. No advance payment will be made at any stage by the Centre. However, on successful completion of the entire work the full and final payment will be released within 30 days from the receipt of pre-receipted bill in duplicate, duly certified for the satisfactory completion of the work.
24. Bad workmanship will not be accepted and if carried out is liable to be rejected and should be rectified by the successful tenderer at his/their own cost as per specifications and directions given by the authorized representative of the Centre. The decision of the Centre, as to items of bad workmanship and proper replacement/rectification will be final and binding on the successful tenderer.

25. The equipment installed for the above work should be free from any manufacturing/ fabrication defects/ defective workmanship and the tenderer should provide one year free onsite warranty/ guarantee for equipment.
26. All the minor civil works like wall puncturing, making good of cement work etc. is to be done by the tenderer.
27. **Penalty Clause:** The time allowed for carrying out the works as detailed in clause no.-5 shall be strictly observed and adhered to by the successful tenderer. The work shall throughout stipulated period of the contract, be proceeded with diligence (time being deemed to be the essence of the contract). In case of failure to complete the job within the scheduled period, One percent per week of the total cost of work awarded subject to maximum of 10% of gross value of work done or cost of work awarded whichever is higher.
28. All disputes and differences between the successful tenderer and the Centre of any kind except quality of workmanship and materials whatever arising out of or in connection with the order on the carrying out the work shall be referred to the sole arbitration of a person nominated by the Director General, National Council of Science Museums, whose decision in this regard will be final and binding on both the successful tenderer and the Centre. The provision of the Arbitration and Conciliation Act 1996 or any statutory modification or reenactment thereof and of rules made hereunder for the time being in force shall apply to arbitrations proceeding under this council.
29. **Force Majeure:-** In the event of either party being rendered made by Force Majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such Force Majeure shall be suspended for the period during which such cause lasts. The term “Force Majeure” as employed herin shall mean acts of God, War, Civil Riots, Fire directly affecting the performance of the contract, Flood and Acts and Regulations of respective government of the two parties namely the M/s----- and NCSM. Upon occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby, shall notify the other party in writing, the beginning of the causes amounting to Force Majeure as also the ending of the said clause by giving notice to the other party within 72 (Seventy two) hours of the alleged beginning and ending of the cause respectively. If performance under this agreement is suspended by Force Majeure conditions lasting for more than two months, either party shall have the option of cancelling this agreement in whole or part its discretion without any liability on its part. Time for performance of the relative obligation suspended by Force Majeure shall stand extended by period for which such cause last.

## APPENDIX

Name of the work	<b>Supply, Installation, Testing and Commissioning of 2.0 Tr Capacity Inverter Type Hi wall split Air conditioning units for 3 D Hall at Kurukshetra Panorama &amp; Science Centre, Kurukshetra.</b>
Defect liability period	One year from the date of virtual completion as certified by the Museum/Centre.
Time of completion	Four weeks from the date of Letter of Intent as per NIT Clause 5.
Earnest money	Rs.3800/- (being 2.5% of the estimated cost of works.
Performance guarantee	Performance guarantee 3% of tendered value to be deposited after adjusting 2.5 % EMD of successful tenderer on award of work before signing of agreement through Demand Draft issued by a Nationalised Bank/Certified Cheque from a Nationalized Bank or through NEFT/ RTGS in the account of National Science Centre, Delhi detail of which is given in this tender document. It is to be noted that the Demand Draft for the Performance guarantee is to be drawn or duly pledged as the case be, in favour of the NATIONAL SCIENCE CENTRE payable at NEW DELHI.
Security Deposit/ Retention Money	<b>Total: 10% as per the following detail-</b> i. Performance guarantee: 3% of tendered value to be deposited on award of work before signing of agreement. ii. Security deposit to be deducted from RA bills: 7.0 % of the value of work done.
Liquidated damages for non-completion of work in time	One percent per week of the total cost of work awarded subject to maximum of 10% of gross value of work done or cost of work awarded whichever is higher.
Validity period of tender	Three months from the date of opening of tender
Period of submitting final bill of the contractor	one week from the date of virtual completion

## FORMAT FOR ARTICLES OF AGREEMENT

### INSTRUCTIONS (Not to be typed in Agreement)

(Articles of Agreement have to be typed on Non-judicial stamp paper. The value of the stamp paper varies from state to state and is to be known from the particular place. The stamp paper will be purchased by the contractor(s) and the agreement may be typed by the Museum/Centre according to the format)

ARTICLES OF AGREEMENT made at .....(place).....this  
.....(date)..... day of .....(month).....20  
between National Science Centre (under the National Council of Science Museums, a Society registered under the Societies Registration Act of West Bengal, 1961), hereinafter referred to as the Museum/Centre which expression shall include its successors and assigns on the one part and  
.....  
.....(name of the contractor with full address).....hereinafter referred to as the Contractor(s) which expression shall include his/their respective heirs, executors and administrators on the other part.

WHEREAS the Museum/Centre is desirous of getting the work of  
.....  
Done and has prepared NOTICE INVITING TENDER (including Appendix), drawings, schedule of quantities and specifications describing the work and conditions of contract.

AND WHEREAS the said Notice Inviting Tender, drawings, specifications, the priced schedule of quantities and conditions of contract have all been signed by or on behalf of the parties hereto. AND whereas the Contractor has deposited in cash or Bank Draft/Banker's Cheque a sum of Rupees ..... (the amount being 2.5% of the total value of the estimate rounded off to the nearest thousands), with the Museum/Centre as Initial Security or Earnest Money for the due performance of this Agreement as provided in the said conditions.

**NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE PARTIES  
HERETO AS FOLLOWS**

1. In consideration of the payments to be made to him as hereinafter provided the contractor shall upon and subject to the conditions herein contained execute and complete the work within **Four Weeks from** the date of commencement of work (see NIT clause 5) and as per the said drawings and such further detailed drawings as may be furnished to him from time to time and described in the said specifications and the said priced schedule of quantities along with the progress of the work.
2. The Museum/Centre shall pay to the Contractor such sum as shall become payable hereunder at the time in the manner specified in the said conditions.
3. Time is the essence of this Agreement and the Contractor shall pay or allow the Museum/Centre the sum equivalent to one percent of the total cost of work awarded per week subject to a limit of 10% of the total cost of work as liquidated damages for the period during which the said works shall remain incomplete beyond the time allowed in clause 1 above or beyond the time duly extended in writing as per said conditions .The Museum/Centre may deduct such damages from any money due to the contractor.
4. The Notice Inviting Tender (including Appendix), Conditions of Contract, Priced Schedule of Quantities, drawings and specifications shall form the basis of this agreement and the decision of the Museum/Centre in reference to all matters or dispute as to material and workmanship shall be final and binding on the contractor.
5. The Museum/Centre reserves to itself the right of altering the drawings and of adding to or omitting any item of work or of having portions of the same carried out departmentally or otherwise and such alternations or variations shall not vitiate this agreement.
6. This agreement comprises the work above and all subsidiary works connected therewith, even though such works may not be shown on the drawing or described in the said specifications or the Priced Schedule of Quantities.
7. All disputes and differences of any kind, except quality of workmanship and materials used in work, whatever arising out of or in connection with the contract on the carrying out of works (whether during the progress of the work or after their completion and whether before or after the determination, abandonment or breach or the contract) shall be referred to arbitration as per Clause 28 of the said conditions of contract.

The provisions of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof and of the rules made there under for the time being in force shall apply to arbitration proceedings under this clause.



In witness whereof the parties have set their respective hands the day and the year hereinabove written.

Signed by for and on behalf of the Museum/Centre .....  
.....  
*Seal (Dy Controller of Administration)*

In the presence of

1. ....

*Seal (Dy Controller of Finance & Accounts)*

2. ....

Signed by the said Successful tenderer

In the presence of

.....

(1).....

(2).....

Date:

(Signature of the tenderer)

Place:

with company seal/rubber stamp

**Specification of Inverter type 2.0 Tr single phase Hi wall type Split Air conditioning unit only cooling.**

Cooling Capacity (Watt):	6560(2256-6650)
Power supply:	220 V/1PH/50Hz
Power Input (Min-Max)(Watt):	2100
Star Rating:	5
Compressor:	Inverter Rotary
Indoor Noise Level:	DbA 42 to 32
Nominal Airflow:	560 to 700 CFM
Moisture Removal:	2.0 to 2.5 Lt/hr
Remote:	LCD with Backlit
Condenser coil:	Inner grooved copper, anti- corrosive fins
Cooling Coil:	Inner grooved copper,
A.C m/c Make:	Voltas/Blue Star//Hitachi/Carrier/Daikin /LG /Lloyd/ or OEMs
Air Sweep:	Auto
Refrigerant:	R-410A/R-32

## Offer Form

**Name of work: Supply, Installation, Testing and Commissioning of 2.0 Tr. Capacity Inverter Type Hi wall split Air conditioning units for 3 –D Hall at Kurukshetra Panorama & Science Centre, Kurukshetra.**

**I / We have read, understood and accepted all the terms and conditions applicable for the above said work and submitting our Rates as under:**

My / Our business particulars are as follows:

- i) Name(s) of the Tenderer : \_\_\_\_\_  
ii) Permanent Address : \_\_\_\_\_

PAN Number: -----

GST Number: -----

Bank Account Details-----

I / We hereby confirm that all the information stated above is true.

Sl. No.	Description	Unit	Qty	Rate exclusive of GST (in Rs.)	Amount exclusive of GST (In Rs)
1	SITC of 2.0 Tr capacity Inverter Type Hi wall Split Air-conditioning unit, only cooling with 5-star rating having copper condenser & cooling coil, Refrigerant R- 410-A/R-32 one indoor unit, one outdoor unit 230 V /50 Hz 1 phase with single Inverter Type Rotary compressor, Thermo sensor temperature control, 4-way Air direction timer setting, Auto air swing, including 3.5-meter copper pipe, PVC hard drain pipe and wire Multifunction remote. Make: Voltas/ Blue Star/ Daikin/ Hitachi/ Carrier/ Lloyd/ LG/OEMs. As per detailed specification given above.	Nos	3		
2	Supply and fixing of additional Copper pipe line with good quality high density PU foam insulation pipe covering with tap all complete as per standard specification and practice with proper saddling (S.S Saddle) on wall including making good the damages with cement mortar 1:2:4 on walls /floor with similar finish Copper line of required sizes as per OEM complete set (Liquid line & Suction line) together will be considered for one measurement Make: Totaline/ Maxflow/ Mandev. (Payment will be made as per actual execution)	RM	12		

3	Supply and fixing of floor/wall mounting brackets suitable for holding the outdoor units structure made of 40x40x5mm M.S angles for installation of outdoor unit with anti-vibration pad including grouting on wall/floor etc. as may be required depending upon site condition and as per the instruction. Grouting to be done by cutting necessary holes and grouting with M-12 anchor fasteners/ cement concrete 1:2:4 and making good the damages with similar finish, two coats of synthetic enamel paint over a coat of metal primer.	Nos	3		
4	Supply and lying of control copper cable of 2.5 sq. mm 4 core for indoor unit to outdoor unit along with suitable PVC conduit Make-. Hawells/ /Polycab//Finolex and approved make (Payment will be made as per actual execution)	RMT	12		
5	Supply and fixing ISI mark Extra PVC pipe 25mm dia with elbow, tee socket for condensate water drainage. Make: National /Supreme/Prince or equivalent (.Payment will be made as per actual execution)	RMT	15		
6	Buy back offer of old 2.0 Tr capacity Hi wall split Air conditioning units ncluding old copper pipe, wire and outdoor stand “ as is where is basis” make-LG	Nos	3		
Total: Rs.					
Add GST @ ....%					
Grand Total Inclusive of GST: Rs.					
<b>Amount in words–(Rupees -----)</b>					

**Note:**

Rates should be inclusive of cost of materials, Transportation, installation charges and other incidental expenses for successful completion of the work at Kurukshetra Panorama & Science Centre, Kurukshetra.

Date :  
Place :

Signature of the Tenderer /  
Constituted Attorney with Office  
Seal

**BANK DETAILS OF NATIONAL SCIENCE CENTRE, DELHI**

Name of the Account Holder	NATIONAL SCIENCE CENTRE, DELHI
Account No.	2417101004100
Bank Name	CANARA BANK
Bank Address	6, Bhagwan Das Road, New Delhi
IFSC Code	CNRB0002417
MICR Code	110015045
Type of Account	Saving Account
Branch Code	2417

(Format for Declarations & Undertaking to be typed on bidder agency's letter head and to be submitted in Part –I (TECHNICAL ENVELOPE) of the tender document)

**DECLARATION -1**

**This is to certify that neither I/we/any of us is in anyway related to any employee in the National Council of Science Museums, Kolkata, or any of its constituent units.**

**Date:**

**Place:**

**(Signature of the tenderer)  
with company seal/rubber stamp**

**DECLARATION -2**

**I/We hereby declare that I/we have not quoted any extra condition along with the Part-II (FINANCIAL ENVELOPE) of the tender.**

**Date:**

**Place:**

**(Signature of the tenderer)  
with company seal/rubber stamp**

**UNDERTAKING**

**This is to certify that I/we have carefully gone through the BOQ specifications, etc. given in the tender document & have clearly understood the site working conditions, time schedule given and have accordingly quoted my balanced rates after going through all details.**

**I/we hereby give an undertaking that I/we shall carryout the work strictly as per the given specifications, and shall complete the same within the stipulated time frame.**

**Date:**

**Place:**

**(Signature of the tenderer)  
With company seal/rubber stamp**

**TENDER ACCEPTANCE LETTER  
(To be given on Company Letter Head)**

*[Department User may ask for Tender Acceptance Letter instead of asking Signed Tender Document from the Bidders. This is a sample format; User may revise it as per their Tender Conditions]*

**Date:**

**To,**

**Acceptance of Terms & Conditions of Tender.**

**Tender Reference No:**

**Name of Work:**

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned ' Tender/Work' from the web site(s) namely:

\_\_\_\_\_

\_\_\_\_\_

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,