

Notice Inviting e-Tender For

**Supply, Installation, Testing, and Commissioning of the VRF system at
the Burn Centre, AIIMS Bhubaneswar.**



All India Institute of Medical Sciences
Engineering Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.nic.in

NIT No. : **AIIMS/BBSR/ENGG/ACR/2026/59**

Estimated Cost : ₹ 71,39,769/- (Rupees Seventy-One Lakhs Thirty-Nine Thousand Seven Hundred Sixty-nine only (Including 18% GST).

Contract Period : **6 months** (From the date of commencement of work)

“Certified that, this tender document contains **47** pages only”.

**Executive Engineer (AC & R)
AIIMS, Bhubaneswar**

Government of India, Ministry of Health & Family Welfare, AIIMS, Bhubaneswar

Name of Work	:	Supply, Installation, Testing, and Commissioning of the VRF system at the Burn Centre, AIIMS Bhubaneswar.
NIT No.	:	AIIMS/BBSR/ENGG/ACR/2026/59

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ALL INDIA INSTITUTE OF MEDICAL SCIENCE, BHUBANESWAR

NOTICE INVITING e-TENDER

The Executive Engineer(AC&R) on behalf of Executive Director, AIIMS Bhubaneswar, invites e-Bids in Two Bid System (i.e. Technical Bid and Financial Bid) from eligible Manufacturers /Companies / Firms / Authorized Agents / Distributors/ Dealers through online E-procurement solution portal of AIIMS Bhubaneswar (<https://www.eprocure.gov.in/AIIMSBBSR>) as per terms and conditions contained in this document for satisfactory performance for **“SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar”** as per the Specifications mentioned in Technical Bid. The indenting Bidder must read the Terms & conditions of AIIMS, Bhubaneswar carefully. He/They should only submit his/her/their bid if he/she/they consider himself/themselves eligible and he/she/they is/are in possession of all the documents required.

(a)	Name of Work	SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.
(b)	Tender No.	AIIMS/BBSR/ENGG/ACR/2026/59
(c)	Estimated Cost	₹ 71,39,769/- (Rupees Seventy-One Lakhs Thirty-Nine Thousand Seven Hundred Sixty-nine only (Including 18% GST)).
(d)	EMD	2 % estimated cost (Rs.1,42,795/-).
(e)	Performance Security (Bank Guarantee)	5 % of Tendered Cost.
(f)	Security Deposit	2.5 % of the Final Value.
(g)	<u>Tender documents will be Issued From</u>	Download from Institute Website. (i.e. www.aiimsubhubaneswar.nic.in, /www.eprocure.gov.in).
(h)	Last Date, Time & Place of Submission	By 5/10/2026 at 15:00 Hours through online.
(i)	Pre Bid Meeting	21/09/2026 at 15:30 Hours
(j)	Date, Time for opening of Tender	On 6/10/2026 at 15:30 Hours.
(k)	Time and date of opening of Online Financial Bids	To be intimated later on.
(l)	Period during which documents of EMD, Registration Certificates, Undertaking and other Documents to be uploaded in CPP portal by the Bidders for reference. However, the Eligibility will be considered as per uploaded documents.	To be uploaded on same Day i.e. on 5/ 10/2026 by 15:00 Hours.

The bid document consisting of NIT, plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from <https://eprocure.gov.in/eprocure/app> or www.aiimsbhubaneswar.nic.in free of cost.

For e-Tendering of this Tender, kindly visit website <https://eprocure.gov.in/eprocure/app> .

E-Tendering Portal: <https://eprocure.gov.in/eprocure/app>

For E-tendering Queries contact CPPP Help Desk.

The intending bidders must have valid class-III digital signature to submit the bid.

Executive Engineer (AC & R)
AIIMS, Bhubaneswar

INFORMATION AND INSTRUCTIONS TO BIDDERS

1. The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required. Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
2. The Bidder is expected to examine all Instructions, Terms and conditions, forms, and specifications in the bidding document. The bid should be complete and in the prescribed format as per the requirement of the bid document. The bid should not be conditional. Failure to furnish all information required by the bidding document or submission of a bid not responsive to the bidding documents in all respect will be at the Bidder's risk and may result in rejection of the bid.
3. The Bidder shall bear all costs associated with the preparation and submission of its bid and AIIMS, Bhubaneswar will in no case be held responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
4. Financial bids shall be opened online only for bidders for whom all the necessary documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
5. The bid can be submitted through CPP portal and uploading the mandatory scanned documents as specified within the period of bid submission.
6. Copies of eligibility documents as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.
7. Contractor must ensure to quote the percentage rate in Performa of quoting rates. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (Zero).
However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender or each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
8. GST on all materials as well as GST on Work Contract etc., or any other taxes applicable in respect of this contract shall be payable by the Contractor. Percentage rate quoted by him shall be inclusive of such taxes, levies etc and Government will not entertain any claim for reimbursement whatsoever in respect of the same. The percentage rates of the contract shall be inclusive of all taxes and levies and nothing extra shall be paid. Further the percentage rate quoted by the contractor shall be inclusive of labour welfare cess, water charges (if applicable), electricity charges (if applicable) and the same shall be recovered from the contractors' bills and will be remitted by the department.
9. **List of Eligibility Documents to be uploaded within the period of bid submission else the bid will be rejected:**
 - (a) Demand Draft/BG/FDR of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar (Hard copy to be submitted up to last date of Bid Opening).
 - (b) Declarations to be given by the Tenderers (Annexure 'A')
 - (c) Detailed Information of Bidder (Annexure 'B') and details of work completed during last 07

- (seven) years (Annexure 'C') signed by the Bidder.
- (d) Certificate of Registration for GST and acknowledgement, up to date filed return if required.
 - (e) Copies of PAN Sheets.
 - (f) CA's certification for **Annual Financial Turnover** of last 3 years (i.e. 2022-23, 2023-24 & 2024- 25) with UDI Number.
 - (g) Copies of ESI Registration.
 - (h) Copies of EPF Registration.
 - (i) Notarized Affidavit at Annexure-D and Annexure-E to be given by Tenderers. **(Hard copy to be submitted up to last date of Bid opening).**
 - (j) Digitally signed Tender document in PDF format only.

Failing to upload documents in online (from a to j) will be straight away rejected.

- 10. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
- 11. Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
- 12. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
- 13. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid and.
- 14. **FRAUD AND CORRUPTION:**
 - 14.1 The Engineer-in-Charge will reject a proposal for award if he determines that the bidder recommended for award has been engaged in corrupt or fraudulent practices in competing for the contract in question. He will report to the Officer Inviting Bid / next higher authority.
 - 14.2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited & the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
 - 14.3 The Contractor shall be debarred for any period of time as decided by the AIIMS, Bhubaneswar Authority for the following reason-
 - (i) If the contractors submit false experience/completion certificates, **(refer under Eligibility Criteria)**. The department reserves the right to verify the particulars furnished by the applicant independently.
 - (ii) If the contractor fails to commence the work on or before the scheduled date stated in the work order.
 - (iii) Violates any important condition of contract.

Executive Engineer (AC & R)
AIIMS, Bhubaneswar

DECLARATIONS TO BE GIVEN BY THE TENDERERS

It is to certify that: -

(a) I /We have gone through CPWD W-8 amended up to correction Slip No.6 as available on website www.tenderwizard.com/ www.aiimsbhubaneswar.edu.in or in the office of Superintendent Engineer and I/We agree with the terms and conditions of it and understood that it will form part of the agreement.

Date: _____

Signature of the Tenderer

(b) "I, S/o Shri resident of.....hereby certify that none of my Relative(s) as defined in Paragraph 14 of CPWD W-6 is/are employed in AIIMS Electrical Zone, Odisha. In case at any stage, it is found that the information given by me is false/incorrect, AIIMS shall have the absolute right to take any action as deemed fit without any prior intimation to me".

Date: _____

Signature of the Tenderer

NOTE: - (To be certified by all the partners in case of partnership firms, by all the directors in case of companies).

(c) "I/We undertake and confirm that eligible similar Work(s) has/have not been got executed through another contractor on back to back basis. Further, it is stated that, if such a violation comes to the notice of Department, then I/We shall be debarred for bidding in AIIMS in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Superintending Engineer shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee".

Date: _____

Signature of the Tenderer

FORM FOR DETAILED INFORMATION BY BIDDER

Name of Firm/Contractor/Supplier	
Complete Address and Telephone Number	
Name of Proprietor/Partner/Managing Director/Director	
Phone Number	
Mobile Number	
e-Mail ID	
Name and address of service center nearby Bhubaneswar	
Whether the firm is a registered Firm (Yes/No. Attach Copy of Certificate)	
PAN Number (enclose the attested copy of PAN Card)	
Service Tax Number. (enclose the attested copy of Certificate)	
GST Number (enclose the attested copy of Certificate)	
Whether the firm has Uploaded the Bank Draft/Pay Order/ Banker's Cheque of Earnest Money Deposit (EMD).	
Whether the Firm/Agency as signed each and every page of Tender/NIT	
EPF No. (Enclose the attested copy of EPF Registration Certificate)	
ESI Code.	
Any other information, if necessary.	

(Authorized Signature of the Bidder with Seal)

FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST 07 (SEVEN) YEAR(I.e. FOR THE YEAR ENDING MAR 2025)

S. No.	Name of Work/ Project	Location	Owner or Sponsoring Organization	Cost of Work in Lakhs	Date of Commencement as per Contract	Stipulated date of Completion	Actual date of Completion	Litigation/ Arbitration pending/ In progress with details	Remarks
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1.									
2.									
3.									
4.									
5.									
6.									
7.									

(Authorized Signature of the Bidder with Seal)

All India Institute of Medical Sciences
Engineering Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.edu.in

AFFIDAVIT

(To be Submitted on Notarized Non-Judicial Stamp Paper of Rs 10/- or above)
Percentage Rate Tender / Item Rate Tender & Contract for Works

E-Tender for the work of: SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. : **6/10/2026 (15:30 Hours).**
- (b) Time and date of opening of Online Financial Bids. : **To be intimated later through website.**

T E N D E R

I/We have read and examined the notice inviting tender, schedule along with Appendices 'A' to 'E' as per Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special Conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

If I/We, fail to furnish the prescribed Performance Guarantee within prescribed period, I/We agree that the said Director, AIIMS, Bhubaneswar or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the earnest money absolutely, if I/We fail to commence work as specified, I/We agree that Director, AIIMS, Bhubaneswar or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to suspend me for one year. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in the tender form. Further, I/We agree that in case of non-submission of Performance Guarantee as aforesaid, I/We shall be debarred for participation for one year in the tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of AIIMS, Bhubaneswar, then I/We shall be debarred for tendering in AIIMS, Bhubaneswar in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Administrative Officer shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: * _____

Witness: *

Address: *

(* To be filled in by the Contractor).

Occupation: *

Signature of Contractor(s)
with full Postal Address

AFFIDAVIT

(To be Submitted on Notarized Non-Judicial Stamp Paper of Rs 10/- or above)

I/We hereby certify that, the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I/We also certify that, Firm will supply the item(s) as per the specification given by Institution and also abide all the Terms & Conditions stipulated in Tender.

I/We also certify that, the information given in Bid is true and correct in all aspects and in any case at a later date, it is found that any details provided are false and incorrect, any contract given to the concerned firm or participation may be summarily terminated at any state, the firm will be blacklisted and Institute may impose any action as per e-Tender Rules.

"I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee".

Business Address: -

Place: _____

Name:

(Signature of Bidder with Firm's Seal)

Dated: _____

Form of Tender Acceptance

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Executive Director for a sum of Rs. (Rupees).

The letters referred to below shall form part of this contract agreement:

- (a)
- (b)
- (c)

Dated:

For & on behalf of the Executive Director.

Signatures

Designation

GENERAL RULES & DIRECTIONS AND GENERAL CONDITIONS

Executive Engineer (AC& R), AIIMS, Bhubaneswar on behalf of Executive Director, AIIMS, Bhubaneswar invites Item Rate Tender [in Two Bid system (Technical & Financial)] from Manufactures/Manufacturer Authorized Firm/ Reputed firms who have successfully completed similar nature of work in Central Government, State Government, PSU, Autonomous Body having successfully completed works of similar nature as per eligibility criteria.

1. **Name of Work:** Tender for “**SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.**”
2. The work is estimated to cost of ₹ 71,39,769/- **(Rupees Seventy-One Lakhs Thirty-Nine Thousand Seven Hundred Sixty-nine only (Including 18% GST).** The estimate, however, is given merely as a rough guide.
3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means “**SITC of /VRF and Duct able type AC units with supply of material/spare along with manpower Or SITC of Air Cooled/Water-Cooled Central Air-Conditioning System etc.**” (Copy of WO(s) & respective completion certificate(s) must be furnished by the bidder in Tech Bid in support of eligibility)
4. **Eligibility Criteria.** Indenting Bidder, who fulfil following requirement shall be eligible to apply: -
 - (a) Three (03) similar completed works each of value **not less than 40%** (i.e. for ₹ 28,55,908/-) of estimated cost put to tender or Two (02) similar completed works each of value **not less than 60%** (i.e. for ₹ 42,83,861/-) of estimated cost put to tender or one (01) similar completed work of value **not less than 80%** (i.e. for ₹ 57,11,815/-) of estimated cost put to tender in last 07 (Seven) Years ending **31st March 2025.**
 - (b) The Bidder should have registration up to date with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation.**
 - (c) The bidder should have positive net worth and should not have incurred loss in last 03 (Three) Years ending i.e. by **31st March 2025**, duly certified by Chartered Accountant.
 - (d) The experience of similar work should be from Central Govt., State Govt., PSU, Autonomous Body, Govt. Hospitals etc.
 - (e) Agreements shall be drawn with the successful bidders for item/items on prescribed format. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
 - (f) The bid document consisting of plans, specifications, the schedule of quantities of the various type of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents.
 - (g) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
 - (h) **Average Annual Financial**, the turnover during the last 3 years, ending **31st March 2025** should be at least 30% of the estimated cost. **(i.e. ₹ 21,41,931/-)**
5. **Preparation & Submission of Tender through Online.** The Tender should be submitted in **02 (Two) parts i.e. Technical Bid and Financial Bid** respectively. The Technical Bid should be sent by the Bidder through online as “Technical Bid” for “**SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.**”

6. **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **2%** of Estimate Cost (**Rs.1,42,795/-**) by way of Demand Drafts, Bankers Cheque/BG or Fixed Deposit Receipt of a Scheduled Bank only. **Scanned Copy of the EMD must be uploaded/attached** with the Technical Bid. The EMD of the successful Bidder shall be returned after the successful submission of Bank Guarantee/Security Deposit and for unsuccessful bidder(s) it would be returned after Award of the Contract. Bid(s) received without EMD will be rejected.

- i) i) As per SOP No.5/1 & Clause No.6 of CPWD Manual-2019 the MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of Goods & Services only.
- ii) Micro and small Enterprises if registered with any government bodies specified by Ministry of Micro, Small & Medium Enterprises (M/o MSME) with valid certificate duly issued by GOI are exempted for submitting earnest money deposit (EMD).
- iii) (iii) Other Firms, registered with MSME / NSIC with valid certificate duly issued by GOI are also exempted for submitting EMD. No other type of certificate is acceptable.
- iv) (iv) The exemption and relaxation in EMD is subject to the validity & acceptance of their registration certificate on the date of opening of tender.

7. **Performance Bank Guarantee.** The successful contractor will be required to furnish a Performance guarantee of **5%** (Five Percent) of Contract Value after receiving notification of award in the form of Fixed Deposit Receipt or Bank Guarantee from any Nationalized Bank (as per clause-v) in the name of the "All India Institute of Medical Sciences, Bhubaneswar" which shall be kept valid for a period of 60 days beyond completion of all the contractual obligations. **PBG will be released after full and final settlement of Bill, without any interest.** In case the contractor fails to deposit the said Performance Guarantee within the period including the extension period if any, EMD will be forfeited automatically without any notice.

- 8. The security deposit which is 2.5% of the final amount can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of the contract or for unsatisfactory performance or non-observance of any condition of the contract. Performance Security will be discharged after completion of contractor's performance obligations (including the Warranty/Guarantee period) under the contract.
- 9. 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.
- 10. The Tender paper/documents can be seen/downloaded from Official website & submitted through on line. For any query, Executive Engineer (AC& R), [mail Id: eeacr@aiimsbhubaneswar.edu.in, Phone: **9703273497**], AIIMS, Bhubaneswar, may be contacted.
- 11. The Director, AIIMS, Bhubaneswar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
- 12. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
- 13. The Director, AIIMS, Bhubaneswar reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
- 14. The contractor shall not be permitted to bid for works in the AIIMS, Bhubaneswar responsible for award

and execution of contracts, in which his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

15. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
16. Bidders are strongly advised to inspect and assess the site conditions and its surroundings at their own cost and satisfy themselves before submitting their bids. The prospective bidders are advised to depute their technical experts with authorization letter to visit, assess and examine the conditions, requirements, nature & quantum of work which may be necessary for the purpose of bidding and submit a realistic offer for the successful execution of the work. In general, they 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/she inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.
17. Bidders shall submit a realistic offer for the execution of the work at their own cost without any liability on AIIMS, BBSR. Price quoted by the bidder shall include maintenance of the equipment for trouble-free performance during the period of contract.
18. The bid for the works shall remain open for acceptance for a period of 90 days from the date of opening of bids.
19. This notice inviting bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of "The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
20. **(a) Security Deposit equal to 2.5% of the final Value will be deducted from the Bills of the Contractor**
(b) The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.
(c) The quoted Rates shall be inclusive of GST.
(d) Labour CESS @ 01% will be deducted from the Bill.
(e) Water charge @ 01% will be deducted from the bill (If use of Water from AIIMS, Bhubaneswar)
(f) Electrical charges as per actual meter reading shall be deducted from the bill. If connection is taken directly without installation of meter with prior permission from Executive Engineer (Electrical), then amount as per the usage shall be deducted from the gross bill amount as suggested by Executive Engineer (Electrical).

21. Goods and Services Tax (GST).

- (a) GENERAL REMARKS ON TAXES & DUTIES: In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.
- (b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.
- (c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to **AIIMS/BBSR/ENGG/ACR/NIT/2026**

include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (hereinafter referred to as "UTGST").

- (d) Quoted price/rate(s) should be inclusive of all taxes, duties and GST (i.e. IGST or CGST and SGST /UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the price Bid. Please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the supplier of Goods/services (service provider) only. Supplier of Goods/Service (Service provider) providing taxable service shall issue an invoice/Bill, as the case may be as per rules/regulation of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by supplier of Goods/services (Service provider) with requisite details.

22. The Bidder shall be solely responsible for compliance to the provisions of various Labour and industrial laws, such as, wages, allowances, compensations, EPF, Bonus, Gratuity, ESI etc. relating to personnel deployed by it at AIIMS, Bhubaneswar site or for any accident caused to them and the institute shall not be liable to bear any expense in this regard. The Agency shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by AIIMS, Bhubaneswar for whatever reason. The Bidder shall also be responsible for the insurance of its personnel. The Bidder shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications: -
- a) The Payment of Wages Act 1936.
 - b) The Employees Provident Fund & MP Act, 1952.
 - c. The Contract Labour (Regulation & abolition) Act, 1970/ The Contract Labour (Regulation & abolition) Central Rules, 1971.
 - (d) The Payment of Bonus Act, 1965.
 - (e) The Payment of Gratuity Act, 1972.
 - (f) The Employees State Insurance Act, 1948.
 - (g) The Employment of Children Act, 1938.
 - (h) The Motor Vehicle Act, 1988.
 - (i) Minimum Wages Act, 1948.

23. **Breach of Terms and Conditions.** Noncompliance of any terms and conditions enumerated in the contract shall be treated as breach of contract or in Case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by AIIMS, Bhubaneswar.

24. **Termination of Contract.** AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff. The decision of Engineer-in-Charge in this regard would be final and binding on the Tenderer.
25. **Arbitration.** The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on the both parties.
26. **Dispute Settlement.** It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Executive Director AIIMS Bhubaneswar, whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

27. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.

28. **Penalty:** All the work shall be completed within **6 months** from the date of commencement of work. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of **1% per month of delay to be computed on per day basis of the total order value shall be levied subject to maximum of 10% of the total order value.**
29. Emergency complains (24*7) must be attended immediately and if there is a major complain, it should be rectified on the urgent basis. During summer and Monsoon seasons i.e., from 15th March to 15th Sept., the Contractor shall check all the air conditioners, once in a fortnight and ensure that these equipment's are functioning properly and submit performance certificate from the equipment user(s).
30. All necessary tools related to the work and stock material like ladders, jet pump, vacuum pump, hose pipe, Ref. gas, compressor, condenser, capacitor, fan motor, PCBs of different make like Hitachi, Voltas and Carrier etc. must available at site within the seven days from the issue of work order.
31. The necessary quantity of spare parts {like Ref. gas (R-22, R-32, R-410a etc.), compressor, condenser, capacitor of different capacity, fan motor, fan blade, cleaning material etc.} related to maintenance work must be available at site before processing the quarter bill which is also verified by Engineer-in-Charge and make of the spares & consumables to be used for repair / maintenance of the machines are mentioned in approved make list.
32. In case of AC being covered under warranty, the Contractor shall have to coordinate with the AC manufacturer/authorised dealer on behalf of AIIMS to avail warranty services etc. The Contractor shall also carry out day-to-day normal maintenance of the equipment under warranty period without any extra cost.
33. Vendor shall submit the following documents after execution of given work:
- (a). Work Completion Certificate (with final Bill)
 - (b). Testing & Commissioning Certificate (if applicable)
 - (c). Material Test Certificate (if applicable)
 - (d). Colour Photos for executed work on glossary paper
 - (e). Non-Objection Certificate (NOC) regarding work (with final Bill)
 - (f). GST return up to date Voucher
 - (g). Bank Account Details
 - (i) EPF & ESI challan copy of Manpower.
 - (k) Preventive Maintenance Record.
 - (l) Bank statement against salary credit of Manpower deployed.
34. The vendor should submit GA drawing of VRF system.
35. The vendor should submit the auto-drawing of pipeline, ducting, etc. before start the work.

SPECIAL CONDITIONS OF CONTRACT

1. Any facility not mentioned in this scope, but which is vital to **SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar** are assumed to be included in the scope of work.
2. **Shop Drawings**
Tender drawings are diagrammatic/Indicative only and indicate arrangement of system and the extent of work covered in the contract. Contractor has to submit his design and drawing during the course of tender or after award of work as mentioned in NIT document. These drawings indicate point of supply and point of termination and suggest the route to be followed. The architectural drawings and details shall be examined for exact location of equipment, cut outs etc. Contractor may follow the tender drawings in preparation of shop drawings and for subsequent installation work and will coordinate with other services also. The contractor shall submit shop drawings prior to commencement of low side work for the approval of the Owner. As built drawings shall be submitted after completion of work.
3. The Contractor has to ensure safety and provide adequate supervision/precautions and shall ensure that the workmen engaged by him are professionally competent and have the required expertise to carry out the intended maintenance.
4. During working at site, some restrictions may be imposed by Engineer-in-Charge/Security staff of Institute or Local Authorities regarding safety and security etc., the contractor shall be bound to follow all such restrictions/instruction & nothing extra shall be payable on this account & no claim for delay on this account shall be entertained.
5. The tender shall be based on Conditions of Contract and tenderers are required to quote their own rates against each item in schedule of quantities (B.O.Q), which is enclosed. All rates shall remain firm for the contract period/extended contract period.
6. If the contractor fails to proceed with the work within the stipulated time as specified from the date of issue of work order to proceed with the work, it shall be treated as failure on the part of the Contractor to discharge the Contractual obligations which may result in termination of the contract and forfeiture of the Security Deposit.
7. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
8. **Packing:**

The supplier shall provide such packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit.
9. **Drawing and Specifications:**

A copy of tender documents and all relevant drawings and specifications viz. Indian standards, latest CPWD specifications etc. shall be made available at site if & when asked for reference.
10. **Cost of Tests:**

The cost of preparing samples and carrying out tests for quality of material or workmanship will be borne by the contractor except for such exclusions as are specifically mentioned in the specifications laid down in contract. The cost of all test carried out by Laboratories directed by the Engineer-In-Charge will be borne by the contractor.
11. The work shall be carried out strictly as per the attached technical specifications, relevant IS specifications.

12. The contractor has to get approved all the material from the Engineer-in-Charge before its actual use at site of work.
13. The scope of work includes all minor building works required for execution work such as cutting of wall etc. and making good the same. Nothing extra will be paid to contractor for the same.
14. The watch and ward of material and installation shall rest on the part of contractor during execution of work and till handing over of the same after completion of work in accordance with schedule of work.
15. The contractor will take care of the building etc. while handling / installing the equipment to avoid damages to the building. If any damages occur during execution of work, it shall be made good by contractor without any extra cost.
16. Existing materials on good condition may be used after joint inspection by Engineer-in charge & AIIMS representatives & vendor.
17. Dismantling of non-used materials to be deposited at Engineering Dept. by the Firm.
18. For all items of Split AC; CPWD specifications with correction slips up to the date of receipt of tender shall be followed. For the items which are not covered under CPWD specifications; the special conditions /B.I.S. specifications shall apply. In this regard the decision of Engineer-in- charge shall be final & binding.
19. Wherever any reference is made of any Indian Standard, it shall be taken as reference to the latest edition with all amendments / revision issued thereto up to the date of receipt of tenders.
20. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the program for execution accordingly, for which nothing extra shall be paid.
21. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall not be allowed to erect any temporary set up for staff in the campus.
22. No claims of the labours shall be entertained by the department including that of providing employment, regularization of services etc.
23. All labour & transportation, ladders, Hydra, Scaffolding etc, electrical instruments for execution of internal electrification work, required for execution of the work shall be arranged by the contractor.
24. Staff employed by the contractor should be well behaved, polite & courteous. Any complaint against staff should be taken very seriously and such staff should be removed by the contractor immediately from the site and replacement shall be provided immediately.
25. All dismantled material will be removed from site by contractor after verification of measurement of the same by JE and Chases, holes & drilling works etc. shall be done using power operated tools in the cost of Contract. No extra will be paid for the same.
26. The contractor shall make all safety arrangement required for the labour engaged by him at his own cost. All consequences due to negligence or due to lapse of security/safety or otherwise shall remain with the contractor. AIIMS Bhubaneswar will not be responsible for any mishap, injury, accident or death of the contractor's staff. No claim in this regard shall be entertained / accepted by the AIIMS Bhubaneswar. Also, Contractor is responsible to the damage caused to any man/material/ Govt. property by his or his labour during execution of work and this should be rectified by the contractor at his own cost.
27. For non-compliance or partial compliance of satisfactory execution of items, the Engineer-in-charge reserves his rights to levy compensation in accordance with the scale of non-conformity and the period for which this non-conformity continues. However, the total amount of this compensation for the whole

contract shall not exceed 10% of the tendered value of this contract. This shall be without prejudice to other remedies available to Engineer-in-charge under this contract to act against the contractor.

28. The materials used for carrying out the work shall be of best locally available quality and the contractor has to carry out the necessary testing of the material as ordered by the Engineer-in-Charge for its conformity and all testing charges shall be borne by the contractor.
29. In the case of discrepancy between the schedule of quantities, the Specifications and/or the Drawings, the following order of preference shall be observed: -
- (a) Description of schedule of quantities (B.O.Q).
 - (b) General rules & Directions and General Conditions/ Special Conditions/CPWD Specifications.
 - (c) Indian standards specifications/BIS.
 - (d) Any reference made to any Indian standards specifications in these documents, shall imply to the latest version of that standard, including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
 - (e) If there are varying or conflicting provisions made in any one document forming Part of contract, Engineering In-charge shall be deciding authority and regard to the intention of the document, his decision shall be final and binding on the Contractor.
29. The contractor will be fully responsible for the safety of their workers, stocks, furniture, fixtures, machines and equipment etc. AIIMS/BBS will not be responsible/liable for any damages caused to the contractor by any way including theft & fire etc. and no such claim to compensate any such damages will be entertained by AIIMS/BBS. The contractor shall be responsible for any loss/theft /pilferage or damage to the properties belonging to AIIMS/BBS, caused by their employees/staff negligence and will pay/compensate to AIIMS/BBS or allow the amount of loss sustained by the AIIMS/BBS, to be deducted from any such amount found due to the contractor. The responsibility for any such theft or loss or damages/ pilferage shall have to be decided on the finding of the inquiry committee, to be constituted for this purpose by the AIIMS/BBS. If considered necessary, AIIMS/BBS will also be free to take up the matter with the police for proper investigations/ action and recovery of loss due to such theft/ pilferage and damages etc.
30. Proper Shock Absorber to prevent vibration for outdoor Units.

Executive Engineer (AC & R)
AIIMS Bhubaneswar

SIGNATURE OF THE CONTRACTOR

TECHNICAL SPECIFICATION

Technical specifications in this section cover the “SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.”.

A) VRF / VRV SYSTEM: -

1.0 SCOPE

The scope of this Section comprises the erection testing and commissioning of the air-conditioning system confirming to these specifications and in accordance with the requirements given in Schedule of Equipment's.

- **VARIABLE REFRIGERANT FLOW SYSTEM:**

The system shall be air-cooled, direct expansion type central air conditioning system consisting of one or more Variable Refrigerant Flow Condensing unit (Outdoor Unit) and connected to it one or more Evaporator (Indoor Units) for cooling and heating operation. Each having the capability of individual set point control & the condensing unit should incorporate multiple scroll compressors to obtain minimum 10% to 100% capacity control. Refrigerant used for system should be R410A.

- **Condensing Unit (Outdoor Unit):**

The condensing unit shall be capable of assessing the requirement of liquid refrigerant flow of each evaporating unit at all times by means of a microcomputer control expansion valve and generating the required total flow of refrigerant liquid for supply to the evaporator units.

The condensing unit shall be modular type, manufactured / assembled in India, designed as per Indian atmospheric conditions and should be capable to perform for outside ambient 48 Deg. C. Outdoor Units should be modular in type and should be equipped with DIP IPM type Inverter Scroll Compressor,

Outdoor Units from more than 18 HP should consist of the combination of 2 or 3 base units. Each outdoor unit should have minimum 1 no. Inverter with variable speed compressor up to 18HP, 2 nos Inverter with variable speed compressors up to 32HP and 3 nos Inverter with variable speed compressors up to 54 HP capacity and capable of changing the capacity in accordance to the cooling load requirement with highest COP/EER. Provision of setting External Static Pressure as specified by the manufacturer.

Unit COP/EER should be high and designed for cooling operation for highest ambient Temperature as per Indian atmospheric conditions. Set of Outdoor Unit should be able to connect as specified by the manufacturer.

Outdoor unit should consist of DC variable speed motor for condenser fan with minimum steps speed control as specified by the manufacturer to reduce input power, auto check function for connection error, auto address setting. Unit should be equipped with a double stage highly efficient oil separation management system to ensure minimum oil entrenchment and proper lubrication with high reliability and stable operation with long refrigerant piping. The noise level of the base unit shall be less than as specified by the manufacturer. Unit should assess demand function automatically and perform with the help of Central Station. Units having Noise reduction mode will be preferred but must be having back up operation function for emergency to avoid complete stop. Outdoor unit should have feature of Rotation Operation function of Compressor to distribute load. The condenser coil should be with internally grooved Cu tubes, mechanically bonded to super slit aluminum fins. The surface of the condenser coil shall be coated with suitable chemical coating to prevent deterioration due to climate.

Outdoor unit must have automatic judgment function to check whether or not the refrigerant amount is sufficient in one refrigerant cycle. Reliable Transmission system should be used between outdoor and indoor units. All necessary safety devices shall be provided to ensure

safe operation of the system.

- **Indoor Units (Evaporating Units):**

Each unit shall be selected as per requirement of the cooling load and matching with interior layout in the respective space to be air-conditioned. The unit shall be equipped with suitable electronic expansion valve, which can communicate with the controller in the condensing unit. The fan shall be of the dual suction multi blade type and statically and dynamically balanced to ensure low noise and vibration free operation. More steps of fan speed will be preferable. Indoor units having inbuilt drain pump or optional drain pump will be preferred. The Evaporator coil should be provided with Cu tubes, mechanically bonded to super slit aluminum fins.

Indoor units shall be equipped with cordless for setting the operating parameters. The address of the indoor unit shall be set automatically in case of individual and group control and option of centralized control should also be achievable.

Controls shall be provided to maintain the set room temperature within close tolerance limits.

- **Cassette Type**

Units must be compact with different speeds of fan with lowest sound level and highest CFM. Height of unit should be lowest & shall be suitable for housing in 2ft x 2ft. false ceiling grid.

- **In the Ceiling type (Low Height)**

Units must be minimum height with different speeds of fan and within built drain pump mechanism. Sound pressure level should as specified by the manufacturer.

- **In the Ceiling type (High Static)**

Units must be compact type in dimension Sound pressure level should as specified by the manufacturer and CFM / HP as specified by the manufacturer to handle high CFM load. Sound pressure level should as specified by the manufacturer

- **In the Ceiling type (Low Static)**

Units must be compact type in dimension with Sound pressure level should as specified by the manufacturer with lowest sound level and maximum CFM. Sound pressure level should as specified by the manufacturer.

- **Ceiling Type**

Units should be hanging type with different speeds of fan, low in height and sound, highest CFM and optional motion sensor.

Both Indoor units & outdoor units shall be factory assembled, tested and filled with first charge of refrigerant before delivering at site.

- **Refrigerant Circuit**

The refrigerant circuit shall include an accumulator, liquid and gas shut off valves and a solenoid valves or pulse width modulation valve.

All necessary safety devices shall be provided to ensure the safety operation of the system.

- **Safety Devices**

The following safety devices shall be part of the outdoor unit; High Pressure Switch, Low Pressure Switch, Fan Motor Safety Thermostat, Inverter Overload Protector, Over Current Relay, Fusible Plugs, Fuses.

- **Oil Recovery System**

Each unit shall be equipped, with **two** stage **ensure** stable operation with long refrigerant piping.

- **Copper tubes used for Refrigerant Piping**

Seamless copper piping for Air conditioning and Refrigeration confirming to ASTM B280. IS 10773:1995 & IS 5493:1981

2.0 INSTALLATION:

Compressor, condenser and Fans shall be enclosed in a powder coated housing. Refrigerant piping shall be of IMPORTED/Indian Make as per Manufacturer Standard, Copper tube confirming to JIS-H3300 of minimum thickness 0.61 mm for sizes ¼" to 3/8" and 0.71 mm for sizes ½" , 5/8" & 6/8" suitable for specified test pressures. The Refrigerant piping shall be concealed as far as possible and exposed piping shall be covered in the PVC Channels 3" x 3" & flexible sleeves 3" dia or as required. The Electrical wiring shall be passed through separate PVC conduit pipes, as required. The contractor shall supply foundation bolts, nuts, washers, leveling screws, mounting frame base plate, vibration isolation pad etc. as required, and it shall be the responsibility of the contractor to see that all the above items are properly and securely placed in the position on the foundation. The Room units shall be suspended from ceiling with dash fasteners of good quality. Electronic Remote controls to be installed/located at the place desired.

The contractor shall supply the required charges of refrigerant, lubricants and other consumables for testing and commissioning of the equipment.

The unit shall be properly leveled before grouting the foundation bolts.

All the equipment's shall be thoroughly tested and checked for leaks. The refrigeration system shall be vaccumised to within 5 mm Hg. absolute and maintain for four hours. At the end of this period, the pumps shall be stopped and vacuum maintained for 24 hours without exceeding a vacuum drop of 1 mm Hg. absolute. The contractor shall certify that the vacuum was maintained as specified above.

All safety controls, low and high refrigerant pipe controls, LP-HP, internal OLP, single phase preventer & phase reversal, starter overload trips shall be provided & suitably set and a record of all these settings shall be furnished.

3.0 PAINTING:

All the equipment's, mounting frames, stands etc. shall be painted with 2 coats of suitable paints over the priming paint to prevent corrosion of the equipment.

4.0 INSTALLATION:

The units shall be mounted on ribbed rubber pads for vibration isolation. The contractor shall supply the required charge of refrigerant, lubricant and other consumables, for commissioning and testing of the equipment.

All the equipment shall be thoroughly tested and checked for leaks. All safety controls shall be suitably set and a record of all setting shall be furnished to the project supervisor.

5.0 TESTING:

Unit capacity in tons Refrigeration shall be computed from the temperature readings and air-flow measurements. Flow measurements shall be preferably by a hot-wire anemometer or a velometer. Computed results shall conform to the specified capacities and the power consumption shall conform to the figures furnished by the manufacturer.

6.0 PAINTING:

Shop coats of paint that have become marred during transportation or erection shall be cleaned off with mineral spirits, wire brushed and spot primed over the affected areas, then coated with enamel paint to match the finish over the adjoining shop-painted surfaces.

7.0 CONDENSATE DRAIN PIPING:

All pipes to be used for cold water (makeup), drain, and condensate drain shall be PVC pipe conforming to IS: 4985 - Class I & all joints should be Gluing or solvent cementing as per manufacturer recommendation with 9mm thick Nitrile Rubber insulation with white painting over it as per roof colour.

8.0 REFRIGERANT PIPING:

- All refrigerant pipes and fittings shall be hard drawn copper tubes and wrought copper / brass fittings suitable for connection with silver solder / phos-copper.
- All joints in copper piping shall be sweat joints using low temperature brazing and / or silver solder. Before jointing any copper pipe or fittings, its interiors shall be thoroughly cleaned by passing a clean cloth via wire or cable through its entire length. The piping shall be continuously kept clean of dirt etc. while constructing the joints. Subsequently, it shall be thoroughly blown out using carbon dioxide / nitrogen.
- Refrigerant lines shall be sized to limit pressure drop between the evaporator and condensing unit to less than 0.2 kg per sq.cm.
- Sight glass with moisture indicator and removable type combination dryer cum filter with MS housing and brass wire mesh / punched brass sheet shall be installed in liquid line of the refrigeration system incorporating a three valve by pass. The liquid line drier cartridges shall be replaced as per recommended by the Manufacturer.
- Heat exchanger shall be of heavy duty copper and without any joint in the inner pipe.
- Horizontal suction line shall be pitched towards the compressor and no reducers shall be provided for proper oil return.
- After the refrigerant piping installation has been completed, the refrigerant piping system shall be pressure tested using Freon mixed with nitrogen / carbon dioxide at a pressure of 20 kg per sq. cm (high side) and 8 kg per sq. cm (low side). Pressure shall be maintained in the system for a minimum of 12 hours. The system shall then be evacuated to a minimum vacuum of 70 cm of mercury and held for 24 hours. Vacuum shall be checked with a vacuum gage.
- All refrigeration piping shall be installed strictly as per the instructions and recommendations of air conditioning equipment manufacturer.
- The refrigerant piping shall be insulated with 13mm thick Nitrile rubber insulation from 6.5mm to 22.2mm dia tubes and with 19mm thick insulation for tubes from dia 25.4mm to 41.3mm.

9. TESTING & BALANCING:

- All piping shall be tested to hydrostatic test pressure of at least two and half times the maximum operating pressure, but not less than 24 hours. All leaks and defects in joints revealed during the testing shall be rectified and gotten approved at site.
- Piping repaired subsequent to the above pressure test shall be retested in the same manner.
- System may be tested in sections and such sections shall be securely capped, then retested for entire system.

The contractor shall give sufficient notice to all other agencies at site, of his intention to test a section or sections of piping and all testing shall be witnessed and recorded by Consultant/Project Manager.

- The contractor shall make sure that proper noiseless circulation of fluid is achieved through all coils and other heat exchange equipment in the system concerned. If proper circulation is not achieved the contractor shall rectify the defective connection. He shall bear all expenses for carrying out the above rectifications, including the tearing up and refinishing of floors and walls as required.
- The contractor shall provide all materials, tools, equipment, instruments, services and labour required to perform the test.
- Complete certified report shall be submitted to Engineer in charge for evaluation and approval. Upon approval, four copies of the balancing report shall be submitted with complete drawings and documents.

10.0 Equipment Insulation:

No separate measurement for insulation of any equipment shall be made. Insulation of equipment shall be deemed to form part of the equipment. Insulation on equipment shall be done as per spec. provided.

ELECTRICAL ITEMS

11.0 Mode of Measurement of Electrical Items

The Works shall be measured, as prescribed in the specification of work, notwithstanding any general or local custom, except where otherwise specifically described or prescribed in the Contract. Wherever not specifically mentioned in the Contract, the mode of measurement as prescribed in the relevant IS codes shall be applicable and binding to the Contract. Only the latest editions of all the codes of practices including all latest official amendments and revisions shall be applicable.

12.0 AIR DISTRIBUTION (FOR AIR CONDITIONING AREAS):

G.I Ducting: Supply, installation, balancing and commissioning of factory/site 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. (It shall be as per SMACNA standards). GI sheet shall be 180GSM Coating. Sheet Thickness: 0.63/0.80 MM.

- 13.0 Supply, installation, testing and commissioning of GI Volume Control Duct Damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications and as per direction of Engineer- In-Charge or his representative.
- 14.0 Supply, installation and testing of Canvass connection for AHU and CSU/DUCTABLE AC of Air-Conditioners as per direction of Engineer-In-Charge or his representative.

15.0 SUPPLY / RETURN AIR DIFFUSERS:

- a. Supplying, fixing testing commissioning of Supply air diffusers of powder coated aluminum with aluminum volume control dampers with anti-smudge ring & removable core as per specifications and as per direction of Engineer-In-Charge or his representative.
- b. Supplying, fixing testing commissioning of Return air diffusers of powder coated aluminum without volume control dampers with anti-smudge ring & removable core as per specifications and as per direction of Engineer- In-Charge or his representative.

16.0 SUPPLY / RETURN AIR GRILLES:

- a. Supplying & fixing of powder coated extruded aluminum **Supply Air Grills** with aluminum volume control dampers (18 Gauge) as per specifications and as per direction of Engineer-In-Charge or his representative.
- b. Supplying & fixing of powder coated extruded aluminum Return Air Grill with louvers but without volume control dampers complete as required and as per direction of Engineer-In-Charge or his representative.

17.0 FIRE DAMPERS:

Supplying, Fixing, testing and commissioning of Fire Dampers in supply air duct/main branch and return air path as and where required of required sizes i/c control wiring, the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications. Supplying, Fixing, testing and commissioning of Actuator with control panel shall also be carried out as per direction of Engineer-In-Charge or his representative.

18.0 INSULATION FOR OTHER AREA:

Supplying of 19 mm (for return Air Duct) and 25 mm (for supply Air Duct) thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying 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 per specifications and as required.

Supplying, installation, testing & commissioning of acoustic lining of supply air duct and plenum with 25 mm thick resin bonded glass wool having density of 32 kg/m³, with 25mm X 25mm GI section of 1.25mm thick, at 600 mm center to center covered with Reinforced elastic tissue paper and 0.5 mm thick perforated aluminum sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications and as per direction of Engineer-In-Charge or his representative.

19.0 Supply, installation, testing and commissioning of Cooling/Heating Thermostats:

for various Air Handling Units and Fan Coil Units as per specifications including all accessories, mountings, wiring between thermostat & unit, terminations etc. (BMS Compatibility to be provided) as per direction of Engineer-In-Charge or his representative.

LIST OF PREFERRED MAKES

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the Engineer-in-Charge are listed below. However, approved equivalent material and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market but only after approval of the alternate brand by the Engineer-in-Charge.

AIR-CONDITIONING, VENTILATION WORKS

<u>SL. NO.</u>	<u>MATERIAL</u>	<u>MANUFACTURER</u>
1	COPPER PIPE	MANDEV/RAJCO/TOTALINE
2	Cassette AC	HITACHI / Mitsubishi / Toshiba or equivalent
6	PRESSURE SWITCH	DANFOSS / HONEYWELL / INDFOS /POTTER
8	SUCTION GUIDES WITH STRAINER	EMERALD / ANERGY
9	GALVANIZED IRON(GI) SHEET	SAIL / TATA / JINDAL
10	ALUMINUM SHEET	HINDALCO / BALCO / NALCO
11	FACTORY FABRICATED DUCTS, FLANGES & ACCESSORIES	ROLASTAR / ZECO / / TECHNOFAB/ GP SPIRA / ATCO
12	FIRE RETARDANT CANVASSS CONNECTION	ARMADUCT / CLIMATECH
13	PRE-FILTERS	THERMADYNE / SPECTRUM / AN FILCO / SAG I
14	GRILLS / DIFFUSER / LOUVERS / VOLUME CONTROL DAMPER/ FRESH AIR DAMPER	1.DYNACRAFT/SYSTEM AIR/CARRYAIRE / COSMOS AIRFLOW/PINEAIR/TRISTAR
15	VFD	<u>Siemens</u> , <u>ABB</u> , and <u>Danfoss</u>
16	MOTORIZED VOLUME CONTROL DAMPERS	DYNACRAFT / CARRYAIRE /RUSKIN TITUS / SYSTEM AIR /
17	ACTUATORS FOR MOTORIZED VOLUME CONTROL DAMPERS	BELIMO / SIEMENS / HONEYWELL
18	FASTENERS / SUSPENSION ACCESSORIES	FISCHER/HILTI/WURTH/CANON/BOSCH.

19	NITRILE RUBBER INSULATION	KFLEX/ VIDOFLEX/ EUROBATEX/ ARMACELL
20	ADHESIVE FOR CLOSED / OPEN CELL INSULATION MATERIALS	PIDILITE / KFLEX K414/SR998
21	Chilled water piping	TATA & JINDAL
22	ALUMINIUM TAPE/FOIL	KFLEX/ VIDOFLEX/ EUROBATEX/ ARMACELL
23	UPVC/CPVC PIPE	POLYPACK/SUPREME/ASTRALL/TRUFLO/ASHIRV AD/PRINCE
24	PPR PIPE	FUSION/AQUAPLAST INDIA/ HEROPOLYMER/ VECTOR/ HINDUSTAN PLASTIC / SANITUBE
25	PRESSURE GAUGE/THERMOMETER	H. GURU/FIEBIG/EMERALD/ ANERGY/ GAUGESBURDON/WAREE

SPECIAL CONDITIONS OF CONTRACT (SCC)

SITE VISIT:

- 1.0** AIIMS, Bhubaneswar may conduct joint site visit, pre-bid and/or post-bid meeting. The bidder should attend the site visit as well as the pre-bid meetings, if any.
- 1.1** Bidders are strongly advised to inspect and assess the site conditions and its surroundings and satisfy themselves before submitting their bids. A site visit shall be conducted for interested eligible bidders. The prospective bidders are advised to depute their technical experts with authorization letter to visit, assess and examine the conditions, requirements, nature & quantum of work and locations of installations which may be necessary for the purpose of bidding and submit a realistic offer for the successful execution of the work. The successful bidder may be required to take up initial repair works if any after finalization of tender. In general, they 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/she inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Bidders shall submit a realistic offer for the execution of the work at their own cost without any liability on AIIMS.
- 1.2** Submission of a bid by a bidder implies that he has read the Tender document and has made himself aware of the terms & conditions and scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of work.

2.0 BID PRICES:

- 2.1** The Bidder shall indicate on the prescribed Bill of Quantity, the landed prices of all the goods and services at AIIMS, Bhubaneswar in accordance with terms & conditions and scope of work of Tender Document. It must include all the taxes, duties, fees, all types of Cess, insurance, transportation, packing, forwarding, administrative charges/ contractor overhead and profit amount and all other incidentals required for execution of the contract in all respect. Variation in taxes due to change in Govt. Regulations only shall be considered, provided such change has taken place within the period from 28 days prior to the last date of bid submission to the original completion date of the Contract.
- 2.2** The rates quoted by the contractor shall be net so as to include all requirements described in the contract document and no claim whatsoever due to fluctuations in the price of the material and labour charges.
- 2.3** The Contractor may arrange way bill at his cost for inter-state transportation of all the materials required for successful execution of the work.

3.0 PERIOD OF CONTRACT:

The period of contract shall be **6 months** from the date of commencement of work.

4.0 DATE OF COMMENCEMENT & COMPLETION OF WORK:

The Contractor shall commence the work within 15 (Fifteen) days from the date of issue of LoA. However, the Contractor has to furnish the Security Deposit within this period so as to enable issue of work order prior to commencing the work at site.

Vendor shall submit following documents along with the bill for payment:

- (a) Complain reports duly signed by the user and duly verified by the AE/JE concerned.
- (b) Warranty/Guarantee Certificate.
- (c) Colour Photos for Executed work on glossary paper
- (d) Testing & Commissioning Certificate.
- (e) GST return up to date Voucher.
- (f) Bank Account Details.
- (g) An Undertaking that all statutory rules and regulation have been followed.

Technical Bid (Eligibility Criteria)

The scanned copies of the following documents are to be uploaded on e-Tendering Portal in the following format.

Sl. No.	Details/ Particulars	Uploaded (Yes/No)	Page No.
(A)	Demand Draft/ FDR of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.		
(B)	Appendix 'A to C' duly filled in and signed with stamp (Pages 11& 12ref.)		
(C)	Proof of Work Experience (Work Completion Certificate and Work order with BOQ) of Similar Works from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 8 refer under Eligibility Criteria with work order copy		
(D)	Certificate of Registration for GST and acknowledgement, up to date filed return if required		
(E)	Attested Copies of PAN No.		
(F)	Copies of Balance Sheets & Profit loss statement (Last 3 years)		
(G)	Copy of Affidavit.		
(H)	Copies of ESI Registration		
(I)	Copies of EPF Registration.		
(J)	Copy of IT Returns (last 3 years)		
(K)	Declarations to be given by the Tenderer(s)		
(L)	Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid		
(M)	Copy of valid MSME firms registered in NSIC Under PP policy for exempted payment of EMD		
(N)	The Bidder should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Undertaking need to submit in this regard.		

FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)

1. In consideration of the Director, AIIMS, Bhubaneswar (hereinafter called "the Government ") having offered to accept the terms and conditions of the proposed agreement between and (hereinafter called "the said Contractor(s)") for the work (hereinafter called "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs.____(Rupees _____only) as a security/ guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.

I/We (hereinafter referred to as Bank) hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs._____(Rupees_____only) on demand by Government.

2. I/We do hereby undertake to pay the (Indicate the name of the Bank) amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees_____only).

3. I/We the said bank undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

4. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor (s) shall have no claim against us for making such payment.

5. I/ We further agree that the guarantee herein contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till Engineer-in- charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor

(s) accordingly discharges this guarantee.

6. I/We further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent, and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor (s) and to forebear or enforce any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor (s) or for any forbearance, act of omission on that part of the Government or any indulgence by the Government to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would , but for this provision, have effect of so relieving us.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor (s).

We lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

8. This Guarantee shall valid up to _____unless extended on demand by Government, notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____(Rupees_____only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.

Dated the_____day of_____for _____

(Indicate the name of Bank)

Integrity Agreement
(To be made on Rs 100/- Judicial Stamp Paper)

This Agreement is made at.....on this.....day of 2026.

BETWEEN

AIIMS, Bhubaneswar represented through Executive Engineer (AC&R), AIIMS, BHUBANESWAR, (Hereinafter referred as the) (Address) "**Principal/Owner**", which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

AND

..... (Name and Address of the Individual/firm/Company) through (Hereinafter referred to as the (Details of duly authorized signatory) "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

Preamble

WHEREAS, the Principal/Owner has floated the Tender (**NIT NO.: AIIMS/BBSR/ENGG/ACR/2026/59**) (here in after refer red to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for: "**SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.**" herein after referred to as the "**Contract**".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the Land, Rules & Regulations, Economic use of resources and of fairness/ transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose afore said both the parties have agreed to enter to this Agreement (hereinafter referred to as "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

The Tendered Value which has been accepted by Competent Authority for "**SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.**" is Rs _____/- (**Rupees** _____ only).

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

Article - 1: Commitment of the Principal/Owner.

1. The Principal/Owner commit itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender processor the Contract execution.

(c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption Act, 1988 (P C Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article - 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standard and makes, and report to the Government/Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution: -

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind what so ever during the Tender process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**

5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person,

his/her reputation or property to influence their participation in the tendering process).

Article - 3: Consequences of Breach.

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right: -

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article-2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may before vigor for a limited period as decided by the Principal/Owner.**

2. **Forfeiture of Performance Guarantee/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Performance Guarantee and Security Deposit of the Bidder/Contractor.

3. **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article - 4: Previous Transgression.

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/ Owner may, at its own discretion, revoke the exclusion prematurely.

Article - 5: Equal Treatment of all Bidders/Contractors/Sub-contractors.

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.

2. The Principal/Owner will enter in to Pacts on identical terms as this one with all Bidders and Contractors.

3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article - 6: Duration of the Pact.

1. This Pact begins when both the parties have legally sign edit. It expires for the Contractor/Vendor 12 months after the completion of work under the contractor till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.
2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

Article - 7: Penalty:

All the work shall be completed within stipulated date as per the work Order given by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the Executive Engineer (AC & R) (Signature of the Bidder with Seal) contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 1 % per month of delay to be computed on per day basis of the total order value shall be levied subject to maximum of 10% of the total order value.

Article – 8 : Payment

1. 100% payment will be released after due to certification of RA bill/ final bill by Engineer-in-Charge or his representative after completion of work.
2. The Security Deposit @ 2.5% of gross amount of the bill shall be deducted from the running bills, which shall be released after successful completion of Defects Liability Period i.e. six months from the date of completion of work, without any interest thereupon.
3. The Income Tax as application shall be deducted from the bills unless exempted by the Income Tax Department.
4. Labour CESS @ 01% will be deducted from the Bill.
5. Water charges @ 1% of the gross bill amount will be deducted if water supply is taken from AIIMS Departmentally.
6. Electrical charges as per actual meter reading shall be deducted from the bill. If connection is taken directly without installation of meter with prior permission from Executive Engineer (Electrical), then amount as per the usage shall be deducted from the gross bill amount as suggested by Executive Engineer (Electrical).
7. It will be mandatory for bidders to indicate their bank account number and over relevant e-payment details so that payment could be made through RTGS/Other mechanism.
8. GST and other taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of

India/ AIIMS rule. **Article - 9: Other Provisions.**

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not be unmade.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. Should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

Article - 9: LEGAL AND PRIOR RIGHTS.

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Pact.

IN WITNESS WHEREOF the parties have signed and executed this Pact at the place and date first above mentioned in the presence of following witnesses:-

.....
(For and on behalf of Bidder/Contractor)

.....
(For and on behalf of Principal/Owner)

WITNESSES:

.....
(Signature, Name and address)

.....
(Signature, Name and address)

Dated:

Dated:

Place: Bhubaneswar

Place: Bhubaneswar

PROFORMA OF SCHEDULES

<u>SCHEDULE 'A'</u> Schedule of Quantities	Schedule of Quantities for the work – Annexure -I
<u>SCHEDULE 'D'</u> Extra Schedule for specific Requirements/ document for the work, if any:	Not Applicable
<u>SCHEDULE 'E'</u> Reference to General conditions of Contract:	CPWD General Conditions of Contract-2023 Maintenance Works modified and amended up to the last date of received of tender with all correction slips.
Name of Work:	SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.
Estimated Cost of Work	₹ 71,39,769/- (including GST)
Earnest Money	2% of Estimated Cost
Performance Guarantee	05% of Tendered Value
Security Deposit	2.5% of Final Value
<u>SCHEDULE 'F'</u> General Rules & Directions	
Officer Inviting Tender	Executive Engineer (AC&R), AIIMS, Bhubaneswar
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined: in accordance with Clause -12.2 &12.3	No limit
Definitions:	
Engineer-in-Charge	Executive Engineer (AC&R), AIIMS, Bhubaneswar
Accepting Authority	Executive Director, AIIMS Bhubaneswar
Percentage on cost of materials and labour to cover all over heads and profit	15%
Standard Schedule of Rates	Market Rates for non DSR Items
Department:	
Standard AIIMS Contract Form	to be mentioned as CPWD General conditions of Contract 2023 Maintenance Works as amended up to date including correction slips.
Clause 1	
(i) Time allowed for submission of Performance guarantee, Program Chart (Time & Progress) and applicable Labour Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	15 Days
(ii) Maximum allowable Extension with late fee @ 0.1% per day of 01 to 15 days Performance guarantee amount beyond the period provided in (i) above.	01 to 15 days
Clause –2. Authority for fixing compensation under Clause 2	Executive Director, AIIMS, Bhubaneswar

Whether Clause 2A Shall be applicable	Not Applicable
Clause-5 Duration of the Contract	6 month(From the date of commencement of work)
Number of days from the date of issue of letter of acceptance for reckoning date of start	07 Days
Authority to decide fair & reasonable extension of time for completion of work	Executive Engineer (AC&R), AIIMS Bhubaneswar
Clause – 6A. Whether Clause 6A shall be applicable	Not Applicable
Clause 12	Applicable
Clause – 16. Competent Authority for deciding reduced rates	Superintending Engineer, AIIMS Bhubaneswar
Clause – 25. Settlement of dispute & Arbitration	Executive Director, AIIMS, Bhubaneswar
Clause-32	: Applicable

- Provision of independent external monitor:**

Threshold value (Estimated cost put to tender) at and above which Integrity pact would be applicable is **5000000.00 (fifty lakh)**

*The present name and address of IEM is given below.

S	Name of IEM	Address
1.	Santanu Mukherjee (Managing Director-State bank of Hyderabad -Retired) Email- santanu96@gmail.com Mob.no. -9866327000	Flat No. 303, E Tower, My Home ABHRA, Opp. Inorbit Mall, MADHAPUR, Hyderabad, Telangana - 500032

Requirement of Technical Representative(s) and recovery Rate

SNo	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32(i)	
						Figures	Words
1	Graduate Engineer	Electrical/ Mechanical	Principal Technical Representative	2 - years	ONE	Rs. 15,000/- PM	Rupees Fifteen Thousand Per Month each
OR	Diploma Engineer	Electrical/ Mechanical	(Project Planning/ Site/ billing Engineer)	5-years	ONE	Rs.15000/- PM.	Rupees Fifteen Thousand Per Month each

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10-year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

CLAUSE 38

:

Not Applicable

Financial Bid (Schedule of Quantities)

NIT No.: AIIMS/BBSR/ENGG/ACR/2026/59

Work Name: - SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.

Sl No	Description of Item	Unit	BOQ	Rate	Amount (Including GST)
Sub Head- A (HVAC HIGH SIDE)					
1.0	Supply, Installation, Testing & Commissioning of Modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling/heating having 100% hermetically sealed inverter type twin Rotary/Scroll Compressor(s), minimum two compressors (with individual separate PCB) for above 14HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R-410-A Refrigerant or equivalent, vibration Isolators with suitable foundation etc. complete as required. To have better efficiency condenser fan shall be capable to operate at different speed with respect to load. The unit shall deliver the rated capacity and in confirmation as per IS 18728:2024 and CPWD Specifications and work even at 50°C ambient temperature without tripping. The system shall be able to deliver 100% of the rated capacity upto 39 Degree Celsius. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply and BMS compatible. The unit shall be filled with first charge of the refrigerant and ready for use as required. The condenser should be coated with a hydrophilic film to prevent water accumulation on the surface of the heat exchanger, enhance water dispersion, and reduce the risk of degradation, thereby improving overall performance and durability. The Indian Seasonal Energy Efficiency Ratio (ISEER) of the unit shall be as per Energy Conservation and Sustainable Building Code (ECSBC) 2024 as below and complete as per CPWD specification, connections, inter connections etc. as required. (For capacity <40 kW _r ISEER 6.4, Capacity > 40 and <70 ISEER 6.5, Capacity > 70 ISEER 6.6 for ECSBC+ Building)				
1.1	14 HP to 22 HP	HP	100	₹ 20,385.00	₹ 2,038,500.00
2.0	VRF IDU Units				

	Supply, Installation, Testing and Commissioning of following minimum capacity 4-way Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration Isolation, Corded remote control & receiver kits etc. , suitable for operation on single phase 230 V $\pm$ 10%, 50Hz AC supply, complete, as required. The Indoor units must shut down upon receiving a signal from the BMS System/Fire Signals. The system shall be capable to adjust air flow as per room requirement automatically. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (Make will be same as of Outdoor)				
2.1	1.6 TR	Each	3	₹ 39,464.00	₹ 118,392.00
2.2	2.0 TR	Each	5	₹ 39,734.00	₹ 198,670.00
2.4	2.6 TR	Each	10	₹ 40,814.00	₹ 408,140.00
2.5	3.6 TR	Each	1	₹ 44,269.00	₹ 44,269.00
2.6	4.1 TR	Each	10	₹ 45,781.00	₹ 457,810.00
2.7	4.6TR	Each	2	₹ 52,799.00	₹ 105,598.00
3.0	Supply, Installation, Testing and Commissioning of following minimum capacity High wall type Indoor unit equipped with and comfort 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, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V $\pm$ 10%, 50 Hz, single phase AC supply, complete as required. The Indoor units must shut down upon receiving a signal from the BMS System/Fire Signals. The system shall be capable to adjust air flow as per room requirement automatically. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (Make will be same as of Outdoor)				
3.1	1.6 TR	Each	1	₹ 22,027.00	₹ 22,027.00
3.2	2.0 TR	Each	3	₹ 22,674.00	₹ 68,022.00

4.0	Supplying, installation , testing and commissioning of Air cooled ductable type Packaged air-conditioning units complete with Hermetically sealed Scroll compressors fitted inside the indoor unit & first charge of refrigerant R410A or equilant permitted green refrigerant & oil ,air cooled condenser, fan section with statically/dynamically balanced centrifugal blower driven by a Totally Enclosed Fan Cooled (TEFC) squirrel cage three speed motor, Multi rows cooling coil of copper with aluminum fins etc. The enclosures shall be fabricated of M.S. The Package unit shall be equipped with synthetic fiber filter, insulated drain pan, controls all encased in a unit. The casing shall be factory powder coated. Electrical panel board for Package units shall comprise of control and power panel with including all Accessories i/c Voltage scanner, overload, low voltage, high voltage & phase imbalance protection, along with VI Pads complete with all ancillaries including MS painted stand for Outdoor units of suitable size, foundation and allied minor civil works as per instructions of Engineer-in-charge of following ratings including electric control panel & fitting as per CPWD specifications and as per IS: 8148 complete as required.				
4.1	8.0 TR (2.8 EER)	Each	2	₹ 170,778.00	₹ 341,556.00
4.2	11.0 TR (2.8 EER)	Each	1	₹ 206,679.00	₹ 206,679.00
5.0	Supply, Installation, Testing and Commissioning of Y/T/Multi Joints. Joints shall be of same Original Equipment Manufacturer (OEM) make as of ODUs and IDUs				
5.1	Indoor Units	Each	32	₹ 4,535.00	₹ 145,120.00
5.2	Outdoor Multi Joint	Each	5	₹ 8,098.00	₹ 40,490.00
	Sub Head-B (HVAC LOW SIDE)				
6.0	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 19 mm thick insulation as given below for Suction and Liquid lines, all accessories as per specifications etc. as required.				
6.1	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	Mtr	125	₹ 256.00	₹ 32,000.00
6.2	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	Mtr	165	₹ 346.00	₹ 57,090.00
6.3	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	Mtr	150	₹ 487.00	₹ 73,050.00

6.4	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	Mtr	180	₹ 615.00	₹ 110,700.00
6.5	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm	Mtr	90	₹ 739.00	₹ 66,510.00
6.6	22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm	Mtr	145	₹ 904.00	₹ 131,080.00
6.7	25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm	Mtr	135	₹ 1,068.00	₹ 144,180.00
6.8	28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm	Mtr	90	₹ 1,157.00	₹ 104,130.00
6.9	31.8 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm	Mtr	80	₹ 1,222.00	₹ 97,760.00
6.10	38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm	Mtr	85	₹ 1,322.00	₹ 112,370.00
7.0	SITC of Refrigerant Gas Charging R410A gas per, additional gas charging for the entire length of copper tube .	Kgs.	52	₹ 1,847.29	₹ 96,059.08
8.0	Supplying, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/ round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports, bends, transitions, reducers, end caps, collars etc as required complete in all respect in 227 DELHI SCHEDULE OF RATES (E&M)-2025 confirmation to IS : 655 and approved drawings and specifications of following sheet thickness complete as required.				
8.1	0.63 mm sheet	Sqm	180	₹ 1,191.00	₹ 214,380.00
9.0	Supplying and fixing of following thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying 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 per specifications and as required.				
9.1	25 mm	Sqm	45	₹ 1,035.76	₹ 46,609.20
9.2	19 mm	Sqm	260	₹ 806.78	₹ 209762.80
10.0	Supplying & fixing of powder coated extruded aluminium Supply Air Grills with aluminium volume control dampers as per specifications.	Sqm	25	₹ 9,742.35	₹ 243,558.75
11.0	Supplying & fixing of powder coated extruded aluminium Return Air Grills with louvers but without volume control dampers complete as required	Sqm	25	₹ 6,323.70	₹ 158,092.50
12.0	Supplying, fixing testing commissioning of supply air diffusers of powder coated aluminium with aluminium volume control dampers with anti-smudge ring & removable core	Sqm	30.5	₹ 13036.88	₹ 397624.84

13.0	Supplying, fixing testing commissioning of Return air diffusers of powder coated aluminium without volume control dampers with anti smudge ring & removable core.	Sqm	25	₹ 8,689.47	₹ 217,236.75
14.0	Supply, installation, testing and commissioning of GI Volume Control Duct Damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications.	Sqm	5.5	₹ 7,539.22	₹ 41,465.71
15.0	Supplying and fixing of correct-sized canvas connector made of fire-resistant fabric and metal flanges, Install it between the DX unit and ductwork using appropriate tools.	Sqm	6	₹ 2,621.96	₹ 15,731.76
16.0	Supply & fixing of 2 C X 0.75 Sq.mm control cum transmission wiring of Copper conductor cable along with conduit for looping between indoor & outdoor VRF system.	Mtr	650	₹ 333.70	₹ 216,905.00
17.0	Supply, Installation and Testing of rigid PVC Drain Piping complete with fittings, supports as per specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.				
17.1	25 mm	Mtr	215	₹ 405.21	₹ 87,120.15
17.2	32 mm	Mtr	142	₹ 500.56	₹ 71,079.52
	Grand Total (Sub Head-A) + (Sub Head-B), with GST				71,39,769.06
		Say			71,39,769.00
In words: (Rupees Seventy-One Lakhs Thirty-Nine Thousand Seven Hundred Sixty-nine only (Including 18% GST)).					

Performa for Quoting Rates

Name of the Work: SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.					
NIT No.: AIIMS/BBSR/ENGG/ACR/2026/59					
Name of Contractor: -					
SI no.	Name of Component	Estimated Cost in Rupees	Percentage above/Below the Total Estimated Cost	% in Figures	Total Cost in Rupees
1.	SITC of VRF System at Burn unit of AIIMS Hospital, Bhubaneswar.	Rs. 71,39,769/-			<u><i>This is Sample</i></u> <u><i>Don't quote Here</i></u>

In words *This is Sample Don't quote Here* Only.

Note: -

1. LMR = To be read as Local Market Rate.
2. The Bidder must submit Financial Bid in On-Line Mode.
3. I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same.
4. No other charges would be payable by the Institute
5. Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
6. Contractor has to bring samples as per above preferred brands only and Engineer-In-Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.
7. In case of non-availability of material of approved make, prior approval from Engineer-In-Charge shall be obtained for other make.
8. The rates should be inclusive of GST as applicable.

I, the contractor certify that I am filling this template after understanding all the items of Schedule of Quantity of e NIT Page No - _____

Name: _____

Business Address: _____

- Mobile No.: _____

Date : _____

Place : Bhubaneswar

Signature of the Bidder: _____

Seal of the Bidder _____

Signature of Bidder with Stamp

E-TENDERING INSTRUCTIONS TO BIDDERS

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION ON CPP PORTAL:

Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.

As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode / eMudhra etc.), with their profile.

Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC"s to others which may lead to misuse.

Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER ENQUIRY DOCUMENT

There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.

The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

Bidder should consider any corrigendum published on the tender document before submitting their bids.

Please go through the tender advertisement and the Tender Enquiry Document carefully to understand the documents required to be submitted as part of the bid. Please note the number

of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

Bidder, in advance, should get ready the documents/BoQ to be uploaded as indicated in the Tender Enquiry Document and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Scanned documents to be uploaded may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document and resulting in fast uploading. It is the responsibility of the bidder to ensure that uploaded scanned documents are legible.

To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

Submission of Bids

Bidder should log into the site well in advance for bid submission so that they can 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.

The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Tender Enquiry document.

Bidder has to select the payment option as "offline" to pay the Bid Security/ EMD as applicable and enter details of the instrument.

Bidder should prepare the Bid Security/EMD as per the instructions specified in the Tender Enquiry Document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the Tender Enquiry Document. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the

uploaded tender documents become readable only after the tender opening by the authorized bid openers.

The uploaded Tender/Bid shall become readable only after the tender opening by the authorized bid openers.

Upon the successful and timely submission of bids (ie after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

Any queries relating to the Tender Enquiry Document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the NIT.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk