

Notice Inviting e-Tender For

SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.



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

NIT No. : **AIIMS/BBSR/ENGG/ACR-2026/NIT/55**

Estimated Cost : ₹ 13,76,342/- (Rupees Thirteen Lakhs Seventy-Six Thousand
Three Hundred Forty-Two only including 18 % GST).

Issue Date : 06/05/2026

Contract Period : **(75 Days)** (From the date of commencement of work)

“Certified that, this tender document contains **49** pages only”.

Executive Engineer (AC & R)
AIIMS, Bhubaneswar

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

Name of Work	:	SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.
NIT No.	:	AIIMS/BBSR/ENGG/ACR-2026/NIT/55

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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 Single Bid System from eligible 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 Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at 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 Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.
(b)	Tender No.	AIIMS/BBSR/ENGG/ACR-2026/NIT/55
(c)	Estimated Cost	₹ 13,76,342/- (Rupees Thirteen Lakhs Seventy-Six Thousand Three Hundred Forty-Two only including 18 % GST)
(d)	EMD	2 % estimated cost (Rs.27,527/-).
(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.aiimsbhubaneswar.nic.in, /www.eprocure.gov.in).
(h)	Last Date, Time & Place of Submission	By 18/05/2026 at 17:00 Hours through online.
(i)	Date, Time for opening of Tender	On 20/05/2026 at 15:30 Hours.
(j)	Time and date of opening of Online Financial Bids	To be intimated later on.
(k)	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 06/05/2026 by 17:00 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 2026)**

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 Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. : **20 / 05 /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: *

Signature of Contractor(s)
with full Postal Address

Address: *

(* To be filled in by the Contractor.)

Occupation *

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: -

Name:

(Signature of Bidder with Firm's Seal)

Place: _____

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.

Signature

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 Single Bid system**] from Manufactures/Original Equipment Suppliers/ Authorized firms/ experienced registered contractor/ reputed firms having successfully completed works of similar nature as per eligibility criteria in any Central Government, State Government, PSU, Autonomous Body.

1. **Name of Work:** Tender for **“SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.”**
2. The work is estimated to cost of ₹ 13,76,342/- (Rupees Thirteen Lakhs Seventy-Six Thousand Three Hundred Forty-Two 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 **“HVAC Works”** (Copy of WO(s) & respective completion certificate(s) must be furnished by the bidder in Tech Bid in support of eligibility)
4. **Eligibility Criteria.** Intending 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 ₹ 5,50,537/-) of estimated cost put to tender or Two (02) similar completed works each of value **not less than 60%** (i.e. for ₹ 8,25,805/-) of estimated cost put to tender or one (01) similar completed work of value **not less than 80%** (i.e. for ₹ 11,01,074/-) of estimated cost put to tender in last 07 (Seven) Years ending **31st March 2026**.
 - (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 2026**, 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. ₹ 4,12,903/-)
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 Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at 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.27,527/-**) 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) 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**.
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: **8770964101**], 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 gazetted 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).
8. **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 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 and duties, except 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.

9. 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) Act, 1970.
 - (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.
 - (j) Minimum Wages Act, 1948.
10. **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.
11. **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 and the agreement may be terminated. The decision of AIIMS, Bhubaneswar's management in this regard would be final and binding on the Tenderer. In such an event, AIIMS, Bhubaneswar shall have the right to engage any other tenderer to carry out the task.
12. **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.
13. **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.
14. The Lowest Bidder will be decided as per the Commutation Rates quoted by the Bidder for individual item.
15. Payment will be made on quarterly basis after due Certification of the Bills by the Representative of Engineer-in-Charge.

16. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.
17. The necessary quantity of spare parts 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.
18. 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). Warranty/ Guarantee 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
 - (h). Certificate for engagement of Technical Staff
 - (i) Stock Register and Material Consumed details duly signed by the concerned JEs.
 - (j) Pre and post Images of Duct cleaning and video of cleaning on Pan drive.
 - (k) Any other documents to be required as per CPWD norms.
- 19(a).** The Hospital agrees to pay the contractor the following amount for **SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.**

Executive Engineer (AC & R)
AIIMS Bhubaneswar

CONDITIONS OF CONTRACT

1. Any facility not mentioned in this scope, but which is vital to “**SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar**” are assumed to be included in the scope of work.
2. 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.
3. 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.
4. 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.
5. At the end of the contract, contractor must hand over all the machines (as mentioned in the contract) in healthy and working condition before processing the final quarter bill.
6. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
7. **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.
8. **Drawing and Specifications:**
A copy of tender documents and all relevant drawings and specifications viz. Indian standards, latest CPWD HVAC specifications etc. shall be made available at site if & when asked for reference.
9. **Cost of Tests:**
The cost of preparing samples and carrying out tests (if required) 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.
10. The work shall be carried out strictly as per the attached technical specifications, relevant IS specifications.
11. The contractor has to get approved all the material from the Engineer-in-Charge before its actual use at site of work.
12. The scope of work includes all works required for execution work such as cutting /grinding/welding etc. and making good the same. Nothing extra will be paid to contractor for the same.
13. 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.
14. 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.
15. Existing materials on good condition may be used after joint inspection by Engineer-in charge & AIIMS representatives & vendor.
16. Dismantling of non-used materials to be deposited at Engineering Dept. by the Firm.

17. For all items; 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.
18. 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.
19. 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.
20. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, Labour Laws, minimum wages act, workmen compensation act and other statutory laws enact by Central Govt. as well as State Govt.
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/equipment's 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 (if required) as ordered by the Engineer-in-Charge for its conformity and all testing charges shall be borne by the contractor.
29. As directed by EIC/EE(AC&R)/AE(AC&R)/JE(AC&R) the deployed manpower shall work in other similar related work etc as and when required.

30. 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.
31. The Vendor shall submit colour photographs, while submitting the Bills.
32. If the performance of the contractor is found unsatisfactory during the period of work, the contract shall be ceased immediately by Engineering -in-Charge (EIC).
33. **Payment:** final payment will be made on submission of original tax invoice along with all necessary documents by the vendor after verification of work done by the vendor, in the same period, from AIIMS Authorities.
34. The contractor will be fully responsible for the safety of their workers, stocks, furniture, fixtures, machines and equipment etc. AIIMS/BBSR 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/BBSR. The contractor shall be responsible for any loss/theft /pilferage or damage to the properties belonging to AIIMS/BBSR, caused by their employees/staff negligence and will pay/compensate to AIIMS/BBSR or allow the amount of loss sustained by the AIIMS, BBSR, 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/BBSR. If considered necessary, AIIMS/BBSR 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.

TECHNICAL SPECIFICATION

1. GENERAL

Technical specifications in this section cover the “**SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar**”.

2. STANDARDS AND CODES.

Latest up to date Indian Standard (IS) and Code of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended up to date shall also apply. Where-ever, appropriate Indian Standards are not available, relevant British and/or IEC Standard shall be applicable.

3. The work shall be carried out as per guidelines of CPWD General Specifications for Heating, Ventilation & Air-Conditioning (HVAC) 2024 and NADCA guidelines.

4. HVAC WORKS

1. Dismantling of existing all HVAC works/fixtures and stacking the removed material in proper way as per direction of Engineer-In-Charge or his representative. (HRW, Pipeline, Ducting, Insulation etc.)

2. **Chilled Water Piping, Valves & Other Accessories** : Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping plumbing inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastomeric nitrile rubber of minimum 45 kg/ cu m density, thermal conductivity 0.037 w/mk or better at 20 deg mean temperature Class ‘O’ insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. **Pipe Size: 65/50/40 mm dia MS Pipes (32mm thick insulation).**

3. **Insulated valve:** Supplying, fixing, testing and commissioning of following valves, strainers, gauges in the chilled/hot water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications. **BUTTERFLY VALVE (MANUAL)** with C I body SS Disc, Nitrile Rubber Seal & O-Ring PN 16 pressure rating for chilled water circulation as specified. **Valve Size; 65/50/40 mm dia**

4. **Y - STRAINER** of Ductile CI Body flanged ends with stainless steel strainer for chilled circulation including insulation as specified. **Y-Strainer Size: 50/40 mm dia**

5. **AIR DISTRIBUTION (FOR AIR CONDITIONING AREAS):**

(b) **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.**

6. 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.

7. Supply, installation and testing of **Canvass connection** for AHU and TFA of Air- Conditioners as per direction of Engineer-In-Charge or his representative.

8. 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.

9. 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.

10. **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.

11. INSULATION FOR OTHER AREA:

(a) 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.

(b) 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.

12. Treated Fresh Air Unit, CFM- 4000) Side through:

Supply, Installation, testing and commissioning of **Ceiling Mounted CSU** factory fabricated double skin type Air Handling Units (BMS compatible) including by-pass starter as per specifications and as per direction of Engineer-In-Charge or his representative given below: -

TFA Construction: - It shall be made of 25mm thick panels consisting of pre plasticized G.I. casing of thickness 0.8mm outside layer and 0.8 mm inside layer with Polyurethane Foam (PUF) insulation factory injected between them by injection moulding machine, complete with blower section with blower suitable for static pressure as required, minimum 2 bend PVC eliminators, cooling coil section with aluminum finned copper tubes (tubes thickness not less than 0.5mm) cooling coil of 6 row deep, filter section with 50mm thick metal viscous/

washable synthetic type air prefilters, belt drive package with Totally Enclosed Fan Cooled (TEFC) drive motor of efficiency class IE3 suitable for $415 \pm 10\%$ volts, 50Hz, 3 Phase AC supply suitably designed for Variable Frequency Drive (VFD) applications, drain connections, stainless steel (18G) drain pan with PUF insulation, 150 mm dia. dial type pressure gauges (2 nos.) and industrial type thermometers (2 nos.) and industrial type thermometers (2 nos.) at the inlet and outlet of coil, auto purge valve wherever required, necessary vibration Isolation arrangement, noise level shall not exceed 70 dBA. AHU shall be AHRI/Eurovent certified, fan shall be AMCA certified etc. Complete as per CPWD specification/drawings and as directed by Engineer-in-Charge.

13. **VFD:** - VFD designed for HVAC applications with built-in PID controller, control panel (keypad & display) , **IP-54** enclosure for use on standard centrifugal plug fans. The display should be in alpha-numeric characters and programming facility should be in user-friendly HVAC terminology. VFD's shall have built-in harmonic filters. Each VFD panel to be provided with digital display showing electrical parameters like voltage, current and power consumption. Each VFD shall be installed in a dedicated external IP-65 enclosure and the inter connecting wires between driver and MCC shall be included.

14. Supply, installation, testing and commissioning of Cabinet type **Inline Exhaust Fan** complete with direct driven centrifugal fan following CFM capacity (400 CFM / 15 MM SP & 200 CFM / 10 MM SP).

Direct drive arrangement, heavy gauge sheet metal casing, rubber isolator mounts and other accessories, suitable for 220/240 volts, single phase, 50 Hz, AC supply etc. complete as required as per specifications and as per direction of Engineer-In-Charge or his representative.

15. **PICB VALVE (PRESSURE INDEPENDENT CONTROL & BALANCING VALVE)/HIGH RANGABILITY:**

Supply, Installation Testing and Commissioning of PICBV (pressure independent valves (PN-16 rated) with modulating, 2- way control device (40/50 mm dia AHU Valves). The Valve should have self-Dynamic Flow Control Valves that are pressure independent, modulating to accept digital/analog input BMS/Controller signals and should provide position feedback signal to the control system. It should be diaphragm type & pressure balancing valve. Pressure Drop across the valve must not exceed 20 kpa up to DN 32 and 30 Kpa in bigger Sizes. Actuator should be Gear type only shall be rated to IP54. Valve shall be of Brass Construction up to DN32 and Cast Iron up to DN150. Valve & Actuator combination should be able to give logarithmic control characteristics to achieve linear control as per direction of Engineer-In-Charge or his representative.

16. **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.

17. **Supply, installation, testing and commissioning of Auto Purge Valves** (25/32 mm dia) of brass construction with screwed ends duly insulated as per specifications and drawings complete in all respect as per direction of Engineer-In-Charge or his representative.

18. **Providing and fixing in position the industrial type pressure gauges** with gun metal/brass valves complete as required as per direction of Engineer-In-Charge or his representative.
19. **Providing & fixing in position the mercury in glass industrial type thermometer** complete as required as per direction of Engineer-In-Charge or his representative.
20. **Supply, Installation, Dressing with Bends, Tees and union etc. of PVC DRAIN PIPING** with proper leak proof adhesive at joints duly insulated with **9 mm Nitrile rubber** and BOPP tape of following size (25/32 mm Dia PVC drain Pipe) as per direction of Engineer-In-Charge or his representative.

ELECTRICAL WORKS

WIRING

1. GENERAL

Technical specifications in this section cover the Internal Wiring Installations comprising of Wiring for convenience socket outlet in surface/concealed conduit.

2. STANDARDS AND CODES.

Latest up-to-date Indian Standard (IS) and Code of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended UpToDate shall also apply. Wherever, appropriate Indian Standards are not available, relevant British and/or IEC Standard shall be applicable.

3.0 LT CABLES

3.1 GENERAL

LT Cables shall be supplied, inspected, laid, tested and commissioned in accordance with specifications, relevant Indian Standards Specifications, and cable manufacturer's instructions. The cable shall be delivered at site in original drums with manufacturer's name clearly written on the drums. The recommendations of the cable manufacturer with regard to jointing and sealing be strictly followed.

3.2 MATERIAL

The L.T. Cables shall be XLPE insulated FRLS aluminum conductor armoured cable, PVC inner sheathed, overall PVC sheathed in conformity to latest technical specification and as per latest IS code.

3.3 LT CABLE LAYING

- 3.3.1. The cable shall be laid directly in cable tray clamped with 40mm x 3mm MS flat clamp, in HDPE pipe below 750 mm from ground level and in cable trench. The cable laying work will be done as per CPWD specification of electrical works.

3.3.2. Underground Cable Laying procedure

A trench of about 1.5 meters deep and 45 cm wide is to be dug as per required. Then the trench is to be covered with a 10 cm thick layer of fine sand. The cable is to be laid over the sand bed. The sand bed protects the cable from the moisture from the ground. Then the laid cable shall again be covered with a layer of sand of about 10 cm thick. When multiple cables are to be laid in the same trench, a horizontal or vertical spacing of about 30 cm is to be provided to reduce the effect of mutual heating. Spacing between the cables also ensures a fault occurring on one cable does not damage the adjacent cable. The trench is then to be covered with bricks and soil to protect the cable from mechanical injury.

3.4 INSPECTION.

All cables shall be inspected at site and checked for any damage during transit.

3.5 JOINTS IN CABLES

The Contractor shall take care to see that the cables received at site are apportioned to various locations in such a manner as to ensure maximum utilization and avoiding of cable joints. This apportioning shall be got approved from Engineer-In-Charge before the cables are cut to lengths.

4.0 TESTING OF CABLES

4.1 Prior to installation of cables, the following tests shall be carried out. Insulation test between phases, phase & neutral, phase & earth for each length of cable.

- a) **Before laying**
- b) **After laying**
- c) **After jointing**

4.2 On completion of cable laying work, the following tests shall be conducted in the presence of the Engineer-in-Charge.

- a) **Insulation Resistance Test (Sectional and overall).**
- b) **Continuity Resistance Test.**
- c) **Earth Continuity Test.**

4.3 All tests shall be carried out in accordance with relevant Indian Standard code of practice and Indian Electricity Rules. The contractor shall provide necessary instruments, equipment's and labour for conducting the above tests & shall bear all expenses of conducting such tests without any extra charge.

5. CONDUITS.

5.1. **MS CONDUITS.** Wiring shall be carried out in surface/concealed conduits. The MS conduits conform to Latest and shall be ISI embossed. The conduits shall be heavy gauge (minimum 2 mm wall Thickness) and the interiors of the conduits shall be free from all obstructions. All joints in conduits shall be tightening properly with socket. Damage conduits/fittings shall not be used. Cut ends of conduits shall not have sharp edges.

5.2. **BENDS.** As far as possible, the conduit system shall be so laid out that it shall obviate use of tees, elbows and sharp bends. No length of conduit shall have more than the equivalent of two quarter bends from inlet to outlet.

5.3 CONDUIT ACCESSORIES

5.3.1 **STANDARD ACCESSORIES.** The conduit wiring system shall be completed in all respects, including their accessories. Bends, couplers, Dip junction Boxes etc. shall be solid or inspection type as required, in surface type or works. The accessories shall conform in all respects to the relevant IS. Samples shall be got approved by Executive Engineer (Electrical) before use.

5.3.2. **FABRICATED ACCESSORIES.** Wherever required, outlet boxes of required sizes shall be fabricated from 1.6 mm thick MS sheets which shall be fabricated from minimum 3 mm thick sheets. The outlet boxes shall be of approved quality, finish and manufacture. Suitable means of fixing connectors etc., if required, shall be provided in the boxes. The boxes shall be protected from rust by zinc phosphate primer process. Boxes shall be finished with minimum 2 coats of enamel paint of approved colour. A screwed brass stud shall be provided in all boxes as earthing terminal.

6. **WIRES.** Wiring shall be carried out with FRLS insulated 660/1100-volt grade unsheathed single core wires with electrolytic annealed standard copper (unless otherwise stated) conductors conforming to latest IS Code. All wire rolls shall be ISI marked. All wires shall bear manufacturer's label and shall be brought to site in

new and original packages. Manufacturer's certificate, certifying that wires brought to site are of their manufacture shall be furnished as required.

7. LAYING OF CONDUITS

- Conduits shall be laid on surface/concealed on walls and ceilings as required.
- Same rate shall apply for surface/concealed Conducting in this contract.
- Stranded copper conductor insulated wire of size as per schedule of quantities shall be provided in entire conducting for loop earthing.

8. SURFACE/CONCEALED CONDUITING

Wherever so desired, conduit shall be laid in surface over finished concrete and/or plastered brickwork. Suitable GI/MS Hook of approved make and finish shall be fixed to the finished Structural surface along the conduit route at intervals not exceeding 600 mm. Holes in concrete or brick work for fixing the saddles shall be made neatly by electric drills using masonry drill bits. Conduits shall be fixed on the saddles by means of good quality heavy duty MS clamps screwed to the saddles by counter sunk screws. Neat appearance and good workmanship of surface conduiting work is of particular importance. The entire conduit work shall be in absolute line and plumb. The MS conduit should be painted with primer initially and then with two coats of approved make colour before laying the conduit.

8.1 FIXING OF CONDUIT FITTINGS AND ACCESSORIES

For surface/concealed Conduiting work, the fittings and accessories shall be completely embedded on finished wall/ceiling surface in a workman like manner. Loop earthing wire shall be connected to a screwed earth stud inside outlet boxes to make an effective contact with the metal body.

8.2 CLEANING OF CONDUIT RUNS

The entire conduit system including outlets and boxes shall be thoroughly cleaned after completion of erection and before drawing in of cables.

8.3 PROTECTION AGAINST DAMPNES.

All outlets in conduit system shall be properly drain and ventilated to minimize chances of condensation/sweating.

8.4 EXPANSION JOINTS.

When crossing through expansion joints in buildings, the conduit sections across the joint shall be through approved quality heavy duty metal flexible conduits of the same size as the rigid conduit. The expansion joint crossing shall be done as approved by Engineer-in-Charge.

8.5 LOOP EARTHING.

Loop earthing shall be provided by means of insulated stranded copper conductor wires of sizes as per Schedule of Quantity laid along with wiring inside conduits for all wiring outlets. Earthing terminals shall be provided inside all switch boxes, outlet boxes and draw boxes etc.

9. LAYING AND DRAWING OF WIRES.

9.1 BUNCHING OF WIRES

Wires carrying current shall be so bunched in conduits that the outgoing and return wires are drawn into the same conduit. Wires originating from two different phases shall not be run in the same conduit.

9.2 DRAWING OF WIRES.

The drawing of wires shall be done with due regard to the following precautions: No wire shall be drawn into any conduit, until all work of any nature, that may cause injury to wire is completed. Burrs in cut conduits shall be smoothed before erection of conduits. Care shall be taken in pulling the wires so that no damage occurs to the insulation of the wire. Approved type bushes shall be provided at conduit terminations. Before the wires are drawn into the conduits, conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduits if necessary. While drawing insulated wires into the conduits, care shall be taken to avoid scratches and kinks which cause breakage of conductors. There shall be no sharp bends. The Contractor shall, after wiring is completed, provide a blank metal/mica plate on all switch/outlet/junction boxes for security and to ensure that wires are not stolen till switches/ outlets etc. are fixed at no extra cost the contractor shall be responsible to ensure that wires and loop earthing conductors are

not broken and stolen. In the event of the wire been partly/fully stolen, the contractor shall replace the entire wiring along with loop earthing at no extra cost. No joint of any nature whatsoever shall be permitted in wiring and loop earthing.

9.3 TERMINATION/JOINTING OF WIRES.

Sub-circuit wiring shall be carried out in looping system. Joints shall be made only at distribution board terminals, switches for socket outlets. No joints shall be made inside conduits or junction/draw/inspection boxes. Switches controlling socket outlets shall be connected in the phase wire of the final sub circuit only. Switches controlling socket outlets shall be connected in the neutral wire. Wiring conductors shall be continuous from outlet to outlet. Joints where unavoidable, due to any special reason shall be made by approved connectors. Specific prior permission from Engineer-in-Charge in writing shall be obtained before making such joint. Insulation shall be shaved off for a length of 15 mm at the end of wire like sharpening of a pencil and it shall not be removed by cutting it square or wringing. Strands of wires shall not be cut for connecting terminals. All strands of wires shall be twisted round at the end before connection. Conductors having nominal cross-sectional area exceeding 1.5 Sq. mm shall always be provided with crimping sockets. Tinning of the strands shall be done wherever crimping sockets are not available as per instructions of the Executive Engineer (Electrical). All wiring shall be labelled with appropriate plastic ferrules for identification. At all bolted terminals, brass flat washer of large area and approved steel spring washers shall be used. Brass nuts and bolts shall be used for all connections. The pressure applied to tighten terminal screws shall be just adequate, neither too less. Switches controlling socket outlets shall be connected to the phase wire of circuits only. Only certified valid license holder wiremen shall be employed to do wiring/jointing work.

9.4 LOAD BALANCING.

The contractor shall plan the load balancing of circuits in 3 phase installation and get the same approved by the Engineer-in-Charge before commencement of the work.

9.5 COLOUR CODE OF CONDUCTORS.

Colour code shall be maintained for the entire wiring installation – red, yellow, blue for three phases, blank for neutral and green for earth.

10. PERFORMANCE.

Should the above tests not comply with the limits and requirements as above the contractor shall rectify the faults until the required results are obtained. The contractor shall be responsible for providing the necessary instruments and subsidiary earths for carrying out the tests. The above tests are to be carried out by the contractor without any extra charge.

11. MINIATURE CIRCUIT BREAKERS.

The MCB's shall be of the completely moulded design suitable for operation at 240/415 Volts 50 Hz system. The MCB's shall have a rupturing capacity of 10 KA at 0.5 pf. The MCB's shall have inverse time delayed thermal overload and instantaneous magnetic short circuit protection. The MCB time current characteristic shall coordinate with XLPE cable characteristic. Type test certificates from independent authorities shall be submitted before the execution of work.

12. **Electrical wirings** : All electrical wirings should be done by only FRLS PVC insulated copper conductor, single core cable in recessed with medium class PVC conduit. All wirings should follow colour coding as per the standard.

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

SL. NO.	MATERIAL	MANUFACTURER
1	MS PIPE	TATA, JSW OR EQUIVALENT
2	TFA Unit.	ZECO / EDGETECH / SYSTEM AIR/ SYSTEMAIR/FLAKTWOOD/CARRIER/VTS/STULZ OR EQUIVALENT
3	MOTOR FOR AHU FAN/VENTILATION FAN	KIRLOSKAR/SIEMENS/ CROMPTON GREAVES/ABB OR EQUIVALENT
4	CENTRIFUGAL FANS/ AXIAL FLOW FANS/ IN LINE FAN/ PROPELLER FAN	NICOTRA/KRUGER/GREEHECK/MARATHON/SY STEM AIR OR EQUIVALENT
5	BUTTERFLY/ BALANCING VALVE	AUDCO / ADVANCE / L&T / BELIMO / SIEMENS / HONEYWELL / DANFOS OR EQUIVALENT
6	PRESSURE SWITCH	DANFOSS / HONEYWELL / INDFOS /POTTER OR EQUIVALENT
7	TEST POINT /AUTOMATIC PURGE VALVES / AUTOMATIC AIRVENT / AIR RELEASE VALVE	RAPIDCOOL / ANERGY / FLAMCO ETAP/EMERALD OR EQUIVALENT
8	SUCTION GUIDES WITH STRAINER	EMERALD / ANERGY OR EQUIVALENT
9	GALVANIZED IRON(GI) SHEET	SAIL / TATA / JINDAL OR EQUIVALENT
10	ALUMINUM SHEET	HINDALCO / BALCO / NALCO OR EQUIVALENT
11	FACTORY FABRICATED DUCTS, FLANGES & ACCESSORIES	ROLASTAR / ZECO // TECHNOFAB/ GP SPIRA / ATCO OR EQUIVALENT
12	FIRE RETARDANT CANVASS CONNECTION	ARMADUCT / CLIMATECH OR EQUIVALENT
13	PRE-FILTERS	THERMADYNE / SPECTRUM / AN FILCO / SAG I OR EQUIVALENT
14	GRILLS / DIFFUSER / LOUVERS / VOLUME CONTROL DAMPER/ FRESH AIR DAMPER	1.DYNACRAFT/SYSTEM AIR/CARRYAIRE / COSMOS AIRFLOW/PINEAIR/TRISTAR OR EQUIVALENT
15	VFD	<u>Siemens</u> , <u>ABB</u> , and <u>Danfoss</u> OR EQUIVALENT
16	MOTORIZED VOLUME CONTROL DAMPERS	DYNACRAFT / CARRYAIRE /RUSKIN TITUS / SYSTEM AIR / OR EQUIVALENT
17	ACTUATORS FOR MOTORIZED VOLUME CONTROL DAMPERS	BELIMO / SIEMENS / HONEYWELL OR EQUIVALENT
18	FASTENERS / SUSPENSION ACCESSORIES	FISCHER/HILTI/WURTH/CANON/BOSCH OR EQUIVALENT

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

SPECIAL CONDITIONS OF CONTRACT (SCC)

1.0 SITE VISIT:

- 1.1** 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.
- 1.2** 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.
- 1.3** 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 **75 days** 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.

5.0 PAYMENT TERMS:

The Contractor shall submit bill in duplicate at the end work. The pre-receipted bill in duplicate along with all supporting documents as required under this contract and prescribed check list shall be submitted to the Engineer-In-charge. The payment shall be made as below.

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.

PENALTY FOR INADEQUATE PLANNING FOR CRITICAL SPARES:

In case of requirement of any material/component for which AIIMS has not been informed in advance, the Contractor shall arrange the material /component and make the machine/equipment functional at his own cost. If AIIMS arranges the material / component, the cost will be recovered from the monthly bill of the Contractor. In addition, the downtime of machine/equipment will be considered towards non-availability of machine/equipment and deduction as decided by the EIC shall be effected Running Bills the bills.

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/NIT/55**) (here in after refer red to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for: "**SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at 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 Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at 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 Pacts as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

Article - 7: Penalty:

- a) Penalty With rate 1% per month of delay to be computed on per day basis maximum up to 10% based on quantum of damage suffered due to stated delay on the part of Contractor. if scheduled completion of work is up to six months.
- b) Rectification of damages during the work will be in contractors scope failing which penalty will be imposed as per CPWD norms.

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 intensions.
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**SCHEDULE A'****(Reference to General conditions of Contract.)**

Name of Work: **"SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar."**

Estimated Cost of Work: ₹ 13,76,342/-

- | | | | |
|-----|-----------------------|---|-------------------------------------|
| (a) | Performance Guarantee | = | <u>05% of Tendered Value</u> |
| (b) | Security Deposit | = | <u>2.5% of Final Value</u> |

SCHEDULE 'B'**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

=

50%

Definitions

See below

- | | | | |
|---------|---|---|--|
| 2 (v) | Engineer-in-Charge | | Executive Engineer(A/C&R)
AIIMS, Bhubaneswar |
| 2(viii) | Accepting Authority | | Director
AIIMS, Bhubaneswar |
| 2(x) | Percentage on cost of materials and labour to cover all over heads and profit | : | 15% |
| 2(xi) | Standard Schedule of Rates | - | Central Public Works Department Schedule of Rates 2025 at Delhi with up to date correction slips |
| 9(ii) | Standard AIIMS Contract Form amended and | - | GCC for CPWD maintenance Works - 2023 as up to and including correction slip |
| | (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% of 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

Clause – 2A.

Whether Clause 2A shall be applicable : **No**

Clause – 5.

Time allowed for execution of work : **75 Days** (From the date of
commencement of work)

Time of start of work: Within Seven days after issue of work
order.

Number of days from the date of issue of letter of acceptance for
reckoning date of start : **15 Days**

Authority to decide fair & reasonable extension of time for completion:
of work : **Superintending Engineer, AIIMS,
Bhubaneswar**

Clause – 6A.

Whether Clause 6A shall be applicable : **No.**

Clause – 7A.

Whether clause 7A shall be applicable : **Yes.**

Clause – 10B(ii).

Whether Clause 10B(ii) shall be applicable : **No.**

Clause – 10C.

: **No**

Clause – 10CA.

: **Not 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. Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table: -

Value of Work	Ser. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause36(i)	
							(Figures)	(Words)
For Agreement amount up to Rs150 Lakhs	(a)	Graduate Engineer OR Diploma Engineer	Elect. /Mechanical	Principal Technical representative	02 years for Graduate Engineer/ 05 years for Diploma Engineer	1	Rs 15000/-	Rs Fifteen Thousand only

Schedule of Quantities

NIT No.: **AIIMS/BBSR/ENGG/ACR-2026/NIT/55**

Name of Work: - **SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.**

SI No	Description of Item	Unit	BOQ Quantity	Rates	Total Amount Including GST
1.0	Supply, Installation, testing and commissioning of Factory built ceiling suspended chilled water double skin type horizontal/vertical TFA units of 4000 CFM , made of 25mm thick panels consisting of pre plasticized G.I. casing of thickness 0.8mm outside layer and 0.8 mm inside layer with Polyurethane Foam (PUF) insulation factory injected between them by injection moulding machine, complete with blower section with blower suitable for static pressure as required, minimum 2 bend PVC eliminators, cooling coil section with aluminium finned copper tubes (tubes thickness not less than 0.5mm) cooling coil of 6 row deep, filter section with 50mm thick metal viscous/ washable synthetic type air prefilters, belt drive package with Totally Enclosed Fan Cooled (TEFC) drive motor of efficiency class IE3 suitable for $415 \pm 10\%$ volts, 50Hz, 3 Phase AC supply suitably designed for Variable Frequency Drive (VFD) applications, drain connections, stainless steel (18G) drain pan with PUF insulation, 150 mm dia. dial type pressure gauges (2 nos.) and industrial type thermometers (2 nos.) and industrial type thermometers (2 nos.) at the inlet and outlet of coil, auto purge valve wherever required, necessary vibration Isolation arrangement, noise level shall not exceed 70 dBA. AHU shall be AHRI/Eurovent certified, fan shall be AMCA certified etc. Complete as per CPWD specification/drawings and as directed by Engineer-in-Charge. (Total static pressure considered is max. 50 mm WC	No	1	116036.00	116036.00
2.0	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of Chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note:- The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for				

	pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.				
(i)	65mm dia. (32 mm thick insulation)	Meter	30	1919.58	57587.40
(ii)	50 mm dia(19 mm thick insulation)	Meter	30	1661.71	49851.30
3.0	Supplying, fixing, testing and commissioning of 25 mm Ball valves of following size, with cast iron body, removable hand lever operated including nut, bolt, flanges, gasket dulypainted with synthetic enamel paint as per specification complete as reqd. in the condenser water pipe as the connected piping and adequately supported as per specifications of CPWD, with O- Ring, PN 25 pressure rating for condenser water pipe line as specified.	Nos	1	1968.00	1968.00
4.0	Supplying, laying/ fixing, testing and commissioning of 65 mm BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified	Nos	2	4847.10	9694.20
5.0	Y - STRAINER of 65mm dia. Ductile CI Body flanged ends with stainless steel strainer for chilled / hot water circulation including insulation as specified.	Nos	1	8518.27	8518.27

6.0	Supply, Installation, Testing and Commissioning of 65/50MM sizes electronic, self-balancing, pressure independent type dynamic balancing valve with integrated 2 way modulating control valve in a single body. The actuator shall be capable of accepting upto 10V DC and upto 20mA electric signal and shall provide similar transduced feedback output to control system. Maximum close off pressure shall not be less than 6 Bar for upto 50 mm valves and 7 Bar for 65 mm & above. Valves should have pressure rating of 25 Bar minimum.	Nos	1	57589.54	57589.54
7.0	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 180 GSM Coating.				
(i)	Thickness 0.63 mm Galvanized Sheet Steel Ducting	Sqm.	150	1155.60	173340.00
8.0	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.	4.0	7539.22	30156.88
9.0	Supply, installation and testing of Canvass connection for TFA of Unit.	Sqm.	4.5	1128	5076.00
10.0	Supplying, fixing, testing, and commissioning powder-coated aluminum louvers involves.	Sqm.	5.5	13036.88	71702.84
11.0	Supplying of 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.				
(i)	25mm thick	Sqm.	50	1035.76	51788.00
(ii)	19mm thick	Sqm.	100	806.78	80678.00
12.0	Supply, installation, testing and commissioning of 15mm above open cell nitrile rubber insulation for duct acoustic.	Sqm.	10	599.20	5992.00

13.0	Supply, installation, testing and commissioning of Cooling/Heating Thermostats for TFA Units as per specifications including all accessories , mountings, wiring between thermostat & unit, terminations etc.	Nos.	1	4582.50	4582.50
14.0	Supply, installation, testing and commissioning of 25/32 mm dia Auto Purge Valves with valve of brass construction with screwed ends duly insulated as per specifications and drawings complete in all respect.	Nos.	1	2096.20	2096.20
15.0	Providing and fixing in position the industrial type pressure gauges with gun metal/brass valves complete as required.	Nos.	2	1279.72	2559.44
16.0	Providing & fixing in position the mercury in glass industrial type thermometer complete as required.	Nos.	2	1116.01	2232.02
17.0	Supply, Installation, Dressing with Bends, Tees and union etc. of PVC DRAIN PIPING with proper leak proof adhesive at joints duly insulated with 9 mm Nitrile rubber and BOPP tape of following size dia.				
(i)	32 mm Dia PVC drain Pipe.	Rmt	30	263.20	7896.00
18.0	Supply, Installation, Testing, and Commissioning, for Duct-mounted inline fans (2000 cfm) includes the motor, electrical components, access door etc.	Nos.	2	67035.23	134070.46
19.0	Supply, Installation, Testing, and Commissioning, of Single- phase starter panel for Inline- fan including push button, contactor etc as require accessories.	Nos.	2	43500.47	87000.94
20.0	Supply, Installation ,Testing & Commissioning of suitable VFD along with powder coated enclosure box with exhaust fan, control wiring for the TFA unit and starter panel as required any modification as in complete.	Nos.	1	64862.57	64862.57
21.0	Charges for existing panel modification including all Ele. Accessories for TFA unit.	Nos.	1	16068.53	16068.53
22.0	Supply and laying of 4 Core 4 Sqmm copper armoured cable for incomer of VFD panel (Finolex, Polycab Cable)	Rmt	25	1335.27	33381.75

23.0	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
(i)	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	60	469.73	28183.80
(ii)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	60	357.38	21442.80
(iii)	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	50	294.25	14712.50
(iv)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	50	249.31	12465.50
24.0	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanization thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
(i)	100 mm width X 50 mm depth X 1.6 mm thickness	Metre	35	715.83	25054.05
(ii)	150 mm width X 50 mm depth X 1.6 mm thickness	Metre	25	766.12	19153.00
25.0	Supplying and laying GI wire earthing for Treated Fresh Air Unit (TFA) system involves connecting the TFA metal parts to an earth rod using a GI wire, typically a 8SWG size. The wire, along with specialized GI clamps, connects the TFA grounding points to the main earthing system	Metre	60	973.17	58390.20
26.0	Charges for Dismantling of Floor mounted HRW units with Ducting, Ele. Connecation etc. including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Lot	1	122211.41	122211.41
		Total Amount (Including GST)			1376342.00

Performa for Quoting Rates

Name of the Work: SITC of Treated Fresh Air Unit (TFA) for Gastro Surgery (MoT) at AIIMS Hospital, Bhubaneswar.					
NIT No.: AIIMS/BBSR/ENGG/ACR-2026/NIT/55					
Name of Contractor: -					
Sl 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. 13,76,342/-			<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