



Basic Details

Organisation Chain	IIT BHUBANESWAR		
Tender Reference Number	IITBBS/SE/Engg section/05/2026-27		
Tender ID	2026_IITBR_914313_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Works
Tender Category	Services	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Direct Credit
	2	Demand Draft
	3	FDR

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Technical bid
2	Finance	.xls	Financial bid

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00	Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No				

EMD Fee Details

EMD Amount in ₹	3,04,511	EMD Exemption Allowed	No
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Registrar IIT Bhubaneswar	EMD Payable At	Bhubaneswar

[Click to view modification history](#)

Work /Item(s)

Title	Electrical works				
Work Description	Operation and Maintenance of 02 nos of Water Cooled Chiller plants and maintenance of 02 Nos. of air cooled chiller plants including high side and low side at IIT Bhubaneswar				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	1,52,25,540	Product Category	AMC/ Maintenance Contracts	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	365
Location	Main Building, 3rd floor IIT Bhubaneswar, Argul	Pincode	752050	Pre Bid Meeting Place	Engineering Section
Pre Bid Meeting Address	3rd floor , Main Building, IIT Bhubaneswar Argul Jatni Dist- Khordha Odisha	Pre Bid Meeting Date	02-Jul-2026 11:00 AM	Bid Opening Place	Engineering Section
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	22-Jun-2026 06:00 PM	Bid Opening Date	14-Jul-2026 03:00 PM
Document Download / Sale Start Date	22-Jun-2026 06:05 PM	Document Download / Sale End Date	13-Jul-2026 03:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	22-Jun-2026 06:10 PM	Bid Submission End Date	13-Jul-2026 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Operation and Maintenance of 02 nos of Water Cooled Chiller plants and maintenance of 02 Nos. of air cooled chiller plants including high side and low side at IIT Bhubaneswar	538.48

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_960844.xls	Financial bid	301.00

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sambit@iitbbs.ac.in	Sambit Ranjan Mohanty	SAMBIT RANJAN MOHANTY
2.	diptiranjana@iitbbs.ac.in	Dipti Ranjan Pattanaik	DIPTI RANJAN PATTANAİK
3.	biswaranjan@iitbbs.ac.in	BISWARANJAN PRADHAN	BISWARANJAN PRADHAN

GeMARPTS Details

Reason for non availability of GeMARPTS ID	Urgent nature of Procurement
Remarks	GeMARPTS report attached
Document Name	RE.pdf
Document Size (in KB)	55.02

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Comparitive chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	SE(Civil)
Address	3rd floor , Main Building, IIT Bhubaneswar Argul Jatni Dist-Khordha Odisha

Tender Creator Details

Created By	Dipti Ranjan Pattanaik
Designation	Assistant Executive Engineer(Civil)
Created Date	22-Jun-2026 05:32 PM



INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

E-Tendering.

TENDER DOCUMENT FOR THE WORK “Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul, Jatani”.

TENDER NO. IITBBS/SE/Engg. Section/05/26-27.

DATE: 22-06-2026



INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

CONTENT FOR NIT No. IITBBS/SE/Engg. Section/05/26-27 Dt.22.06.2026.

WORK DEATAILS: “Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni”

SL NO.	DESCRIPTION.	PAGE NO.
1	FRONT COVER.	1
2	INDEX PAGE.	2
3	NOTICE INVITING E-TENDER.	3-5
4	INFORMATION & INSTRUCTION FOR THE BIDDERS FOR e-TENDERING	6-10
5	TENDER SCHEDULE AS ANNEXURE-I.	11-12
6	DETAILS ABOUT BIDDING AGENCY AS ANNEXURE-II.	13
7	DETAILED SCOPE OF WORK AS ANNEXURE-III.	14-18
8	EQUIPMENT LIST AS ANNEXURE-IV.	19-25
9	EQUIPMENT MAKELIST AS ANNEXURE-V	26
10	MANPOWER DETAILS TO BE DEPLOYED AS ANNEXURE-VI	27
11	COMMERCIAL & OTHER TERMS & CONDITIONS AS ANNEXURE-VII	28-33
12	UNDERTAKING FOR GCC COMPLIANCE AS ANNEXURE-VIII	34
13	PERFORMANCE GUARNTTEE FORMAT AS ANNEXURE-IX	35-36
14	UNDERTAKING BY THE BIDDER AS ANNEXURE-X	37
15	BID SECURITY DECLARATION AS ANNEXURE-XI	38
16	UNDERTAKING REGARDING BLACKLISTING AS ANNEXURE-XII	39
17	VENDOR MASTER FORM AS ANNEXURE-XIII	40
18	FORMAT FOR SUBMISSION OF ANNUAL TURNOVER AS ANNEXURE-XIV	41
19	CHECKLIST FOR DOCUMENT TO BE UPLOADED AS ANNEXURE-XV	42
20	PROFORMA OF SCHEDULES: SCHEDULE A, E, F.	43-45
21	PERCENTAGE RATE TENDER FORM 7.	46-47

This NIT contains **1 to 47 pages** including front cover page & this page.

Superintending Engineer (C)
IIT Bhubaneswar.



1. NOTICE INVITING E-TENDER

1.1. INTRODUCTION

The Superintending Engineer (C), Indian Institute of Technology (IIT) Bhubaneswar on behalf of Director, IIT Bhubaneswar hereinafter called IITBBS, invites online percentage rate tenders through CPP portal for the work “**Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni**” from the Chiller manufacturer’s having experience in similar work in two bids up to 3.00 P.M. on dt.13.07.2026 as per the attached **Annexure-I, Annexure-II, Annexure-III, Annexure-IV, Annexure-V, Annexure-VI, Annexure-VII, Annexure-VIII, Proforma of Schedules and FORM-7** for percentage rate tender.

Particulars of the Work are as follows.

1.2. PARTICULARS

1. NIT Number	NIT No. IITBBS/SE/Engg.Section/05/2026-27 22.06.2026
2. Name of work	Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni.
3. Location of work	IIT Bhubaneswar, Argul, Jatni, Bhubaneswar.
4. Estimated cost (including GST)	Rs.1,52,25,540/-
5. Contract Period	Contract shall be initially for a period of One year & extendable for further period of two years on mutually agreed rates between Institute and contractor at same terms & conditions subjected to satisfactory performance of contractor & approval of competent authority of IIT BBS.
6. Tender Basis and Mode	L1 basis, Two stage(Technical bid and Financial bid)

7. Pre-bid meeting	The firm shall attend the pre-bid meeting on dt.02.07.2026 at 11.00 am (Thursday) at Meeting Room of Office of Superintending Engineer, Civil, Engineering Cell, 3rd Floor, Main Building, IIT BBS, Argul, Jatni. The representatives of the bidders must submit the authorization letter in the company letter head to SE office during the Pre-bid meeting.
8. Earnest money deposit (EMD)	Rs. 3,04,511/- (Refundable but interest-free)
9. Mode of payment to IITBBS (EMD)	i. Original Demand Draft/FDR has to be submitted physically at the office of SE(Civil) on or before the due date/extended date of submission of bid or may be deposited online in the bank account (as mentioned in Clause 2.1.15 of general instructions) & Scanned copy of Demand Draft/FDR/ online payment acknowledgement slips has to be uploaded on https://eprocure.gov.in/eprocure/app ii) Demand draft to be drawn in favour of Registrar, IIT Bhubaneswar payable at Bhubaneswar or the FDR should be pledged in favour of Registrar, IIT Bhubaneswar
10. Closing date & Time for Receipt of bids.	Dt.13.07.2026 at 3.00 P.M
11. Date & Time for opening of technical bid	Dt.14.07.2026 at 3.00 P.M
12. Engineer-in-charge and contact details.	Executive Engineer, Electrical Ph No.0674-7138654, email ID- biswaranjan@iitbbs.ac.in
13. Address for tender opening.	Office of the Superintending Engineer (Civil), 3 rd floor, Main Building, IIT Bhubaneswar, Jatni, 752050, Odisha.
14. Website for full and updated information	www.iitbbs.ac.in , https://eprocure.gov.in/eprocure/app

1.3 ELIGIBILITY CRITERIA

Firms who fulfill the following eligibility criteria shall be technically qualified.

1.3.1 The firms should have satisfactorily completed the works as mentioned below during the last Seven years ending previous day of last date of submission of bids.

i- Three similar works each of value not less than 40% of the estimated cost put to tender.

OR

ii- Two similar works each of value not less than 60% of the estimated cost put to tender.

OR

iii- One similar work of value not less than 80% of the estimated cost put to tender.

The similar work must have been carried out in any Central/State Government Department/Central Autonomous Body/Central/state Public Sector Undertaking organization.

The estimated cost is **Rs.1,52,25,540/- (Rupees One Crore Fifty-two Lakh Twenty-five Thousand Five Hundred Forty) only**

Similar work means “Operation & Maintenance or Annual maintenance of Chiller Plants (Both High & Low side) having Dunham Bush Make Chiller units”.

The bidder has to submit the proof against the Operation & Maintenance or Annual maintenance of Chiller Plants in terms of Purchase/Supply Orders alongwith the work completion certificate. Certificate from private individuals\ organizations shall not be accepted.

- 1.3.2 The bidder must be a manufacturer of Chiller.
- 1.3.3 The bidder must have GST registration certificate and Permanent Account Number of income tax. The validity of the registration should be valid on the date of tender submission.
- 1.3.4 The Firms should have Average Annual Turnover during the last three financial years preceding to the year of tender notification equal to or more than 75% of the estimated cost of the bid for which the bidder has to submit his/her bid. The bidder shall furnish supporting documents for the last three years i.e. FY 2023-2024, FY 2024-25, FY 2025-2026 certified from a Chartered Accountant evidencing the turnover. In case, audited turnover is not available for FY 2025-26, the bidder may furnish documents for FY 2022-23, FY 2023-24, FY 2024-2025. Format for the same is enclosed as **Annexure-VII**.
- 1.3.5 Submission of EMD for an amount of Rs. 3,04,511/- (Refundable but without interest) in the form of Demand Draft/FDR/online transfer & the copy of which also need to be uploaded along with the bid in the CPP portal at the time of submission of bid.
- 1.3.6 Agencies that are debarred or blacklisted by any Govt. Departments are not eligible to participate in the tender. An undertaking is to be submitted along with the bid as per **Annexure-VIII** by the bidders to the effect that during the last 3-year period prior to the bid notification date they are not debarred or blacklisted by any Govt. Department. In case, it is found at later stage that the bidder is a blacklisted company declared by any Govt. Department then the works shall be withdrawn, and EMD/bid security payable amount against the work if any, will be forfeited.

Superintending Engineer (Civil)

On behalf of Director Indian Institute of Technology Bhubaneswar

Copy to:

1. Registrar, IIT Bhubaneswar
2. Co-Chairperson(Infrastructure), IIT Bhubaneswar
3. Executive Engineer(Electrical), IIT Bhubaneswar
4. Assistant Registrar(F&A), IIT Bhubaneswar
5. Notice Board.
6. Tender notice uploaded to CPP Portal and Institute website.



**INFORMATION AND INSTRUCTIONS FOR-BIDDERS FOR E-
TENDERING FORMING PART OF BID DOCUMENT**
(Applicable for inviting bids on 2 bid system)

2. INFORMATION TO BIDDER

2.1. GENERAL INSTRUCTION

- 2.1.1 Bidding documents are to be obtained electronically through websites: <https://www.iitbbs.ac.in> or <https://eprocure.gov.in/eprocure/app>.
- 2.1.2 The bidding document (consisting of the Tender Schedule, the set of terms and conditions of the rate contract and other documents if any), Addendum/Corrigenda, if any shall be published on the Institute website and CPP portal any time before the closing time of tender and the same can be downloaded from the Institute website or from the CPP portal. The institute shall not be responsible for any delay / difficulties /inaccessibility of downloading the tender documents for any reason whatsoever. The tenderers who have downloaded the tender documents from website must visit the website and ensure that such addendum(s)/ corrigendum (if any) is also downloaded by them. This shall be the responsibility of the prospective bidders to check the web site for any such corrigendum/addendum before closing time of tender and ensure that bid submitted by them are in accordance with all the corrigendum's/addendums.
- 2.1.3 Rates quoted by the bidders shall be inclusive of GST (Goods and Services Tax- Central, State and Interstate) and all applicable taxes including freight. Taxes and other statutory deductions as applicable will be deducted from the bills against the supply orders as per prevailing rules.
- 2.1.4 All costs, charges and expenses that may be incurred in connection with the preparation of the tender shall be borne by the bidder and the Institute accepts no liability whatsoever thereof.
- 2.1.5 Exemption to IITBBS against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITBBS after the agreement shall be passed on to IITBBS by the firm without dispute.
- 2.1.6 IITBBS reserves the right to reject any or all of the bids without assigning any reason thereof.
- 2.1.7 Bid Validity: Bid shall remain valid for 120 days from the date of opening of tender document.
- 2.1.8 Firm Price: Bidder's quoted Rates/Prices shall remain firm till completion of the AMC Contract period & shall not attract any escalation under any circumstances whatsoever.
- 2.1.9 If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if such manipulation is detected at a later stage after signing of the contract agreement, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit/Performance Security and the firm is liable towards prosecution. In such cases, the bidder will also be debarred from participation in future tendering process of IITBBS for next 02(two) years.
- 2.1.10 Refund of Earnest Money Deposit: The Earnest Money received shall be returned to the unsuccessful bidders without any interest after contract agreement/finalization of the tender. The Earnest Money Deposit of successful bidder shall be returned upon submission of performance Security & confirmation of the performance Security deposit by the issuing Bank.
- 2.1.11 The intending bidders must read the terms and conditions carefully. He should only submit his bid if considers himself eligible and in possession of all the documents required.
- 2.1.12 The information and instruction for bidders posted on website shall form part of bid document.
- 2.1.13 The bidder may inspect the site before submission of the bid.
- 2.1.14 The bid document consisting of Specifications, 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 the website www.iitbbs.ac.in ,

<https://eprocure.gov.in/eprocure/app>.

- 2.1.15 The intending tenderer can pay the amount of EMD through Demand Draft drawn in favour of **Registrar, IIT Bhubaneswar payable at Bhubaneswar** from any Scheduled Bank

or

Fixed Deposit Receipts pledged in favour of **Registrar, IIT Bhubaneswar** from any Scheduled Bank

or

Through online deposit in the below mentioned account details.

Details of Account Holder:

<p>Name and Designation of the Account: IIT Bhubaneswar Address: Indian Institute of Technology, Arugul, Jatni-752050</p>

Bank Accounts Details:

<p>Institute's Bank Name: ICICI bank Limited Branch Name with Address: Nangalia Complex, Main Road, Jatni, Dist- Khordha, Odisha-752050 Complete Bank Account Number: 006101055198 IFSC Code of the Branch: ICIC0001985 MICR Code: 751229009 SOL ID: 1985</p>

The Institute will not be responsible for deposit of the EMD by the bidder in wrong account number or failure in online deposit due to any reasons. The online payment acknowledgement slip has to be uploaded on <http://eprocure.gov.in/eprocure/app>. **Bids without valid EMD will be rejected summarily**

- 2.1.16 Refund / Conversion of Earnest Money Deposit: The Earnest Money received shall be returned to the unsuccessful bidders without any interest after award of the work/finalization of the tender. The Earnest Money Deposit of successful bidder shall be returned on submission of performance Security/guarantee.
- 2.1.17 EMD shall be placed in single sealed envelope superscribing “**Earnest Money towards Rate Contract for Supply of Electrical items to IIT Bhubaneswar**” and due date of opening of the tender also to be mentioned on the Envelope. Copy of certificate in support of Similar Supply wherever applicable and other documents if required and specified in this bid document shall be scanned and uploaded in the e-Tendering website within the period of tender submission.
- 2.1.18 The envelope containing EMD shall be submitted in the office of Superintending Engineer, IIT Bhubaneswar, Argul before the last date & time of submission of tender only on working days during the working hours (9 am to 6 pm from Monday to Friday except Holidays). Online tender documents submitted by intending tenderers shall be opened only for those tenderers, who have submitted Earnest Money Deposit, other documents as per the tender requirement and are found in order.
- 2.1.19 Forfeiture of Earnest Money Deposit: Earnest Money Deposit will be forfeited in any of the following cases.
- The bidder withdraws / modifies his tender during the period of Bid Validity.
 - The bidder, in case of tie between lowest bids, refuse to submit revised offer.
 - The bidder does not accept the correction of arithmetical errors of his tender.
 - The bidder refuse to accept the terms and conditions of the NIT after submission of bid for the tender.
 - The bidder fails to deposit Performance Security within the stipulated time or the extended period.

- 2.1.20 The scrutiny of the bid shall be done by the Tender Opening Committee of the Institute. Necessary clarification required by the Institute shall be furnished by the tenderer within the time given by the Institute.
- 2.1.21 The tenderers are allowed to resubmit revised bids any number of times but same shall be before last date and time of submission of bid as per the tender notification.
- 2.1.22 The bid submitted shall become invalid in case the bidder is found ineligible or found defaulter in submitting any of the required documents as per the tender notification
- 2.1.23 List of Documents to be scanned and uploaded within the period of bid submission.
- I- Documents in support of Manufacturers of Chillers.
 - II- Certificate of work experience in terms of work completion certificate from the client along with PO/WO copy.
 - III- Certificate of Financial Turnover as per The Clause Under the Eligibility Criteria in **Annexure-XIV**
 - IV- GST registration certificate & PAN.
 - V- Form-7 duly signed & stamped by the bidder.
 - VI- Scanned/Payment copy of E.M.D.
 - VII- **Annexure-II** duly stamped & signed.
 - VIII- **Annexure-XII** duly stamped & signed.
- 2.1.24 The intending tenderer has to fill all the details of E M D such as Demand Draft/ Fixed Deposit Receipts amount and date.
- 2.1.25 The bidders can upload documents in the form of JPG format and PDF format
- 2.1.26 The black listed/banned firms of the Institute are not eligible to participate in the tender.
- 2.1.27 Agreement shall be drawn with the successful tenderer on prescribed Standard Form as mentioned in this tender document. Tenderers shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
- 2.1.28 The competent authority on behalf of the Director, IIT Bhubaneswar does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without assigning any reason there to. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderers shall be summarily rejected.
- 2.1.29 Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the firms who resort to canvassing will be liable for rejection.
- 2.1.30 The competent authority on behalf of Director, IIT Bhubaneswar reserves to himself the right of accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rate quoted.
- 2.1.31 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 tender or engagement in the contractor's service.
- 2.1.32 The following documents shall form a part of the contract Agreement.
- a) The Notice Inviting Tender, all the documents including additional conditions, Tender Schedule, etc, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 for Percentage Rate contract. Or other Standard C.P.W.D. Form

as applicable.

2.2. SUBMISSION OF TENDER

- 2.2.1 Help for Contractors, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal i.e. <https://eprocure.gov.in/eprocure/app>.
- 2.2.2 It is mandatory for all the bidders to have a **valid Class-III Digital Signature Certificate** (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidders can see the list of licensed CA's from the link www.cca.gov.in) to participate in e-Procurement of IIT Bhubaneswar.
- 2.2.3 It is mandatory for the bidders to get their firm /company registered with e-procurement portal <https://eprocure.gov.in/eprocure/app> to have user ID & password.
- 2.2.4 Tender documents will be available online on website <https://eprocure.gov.in/eprocure/app> which can be downloaded free of cost.
- 2.2.5 The tender documents shall be submitted online in the prescribed format given on the websites and technical bids received online shall be opened as per NIT or Corrigendum thereof. No other mode of submission is acceptable. Detailed credentials as per the requirement of eligibility criteria and all tender papers except Tender Schedule are to be submitted in "Technical Bid".
- 2.2.6 The "Financial Bid" has to be filled online and no physical submission of the Financial Bid is required.
- 2.2.7 Representative of the bidder, who chooses to attend, may attend the online opening of the technical bids on the scheduled date and time of Bid opening. However, such representatives shall be allowed to attend the opening of the Technical Bids, only, if such person presents the letter of authority issued in his name by the bidder on his letter head.
- 2.2.8 Bidders cannot submit the tender after the due date and time of e-bid submission. Time being displayed on Central Public Procurement Portal <https://eprocure.gov.in/eprocure/app> ("Server System Clock Time") shall be final and binding on the bidder. E-Bids are required to be submitted by bidders, only as per the Indian Standard Time (IST) and not the time as per their location/country.
- 2.2.9 The bidders are advised to submit their e-bids well before the e-bid due date. IIT BHUBANESWAR shall not be responsible for any delay in submission of e-bids for any reason including server and technical problems.
- 2.2.10 The Technical and Financial Bid shall be digitally signed by the Authorized Signatory of the bidder & submitted "on-line" only. The authorized signatory of the bidder must be in possession of Power of Attorney before submitting the digitally signed bid. Scanned copies of various documents can be prepared in .pdf file format.
- 2.2.11 Any tender received without original Earnest Money in the form as specified in clause 1.2 at Sl.No.9 of this tender document shall not be considered and shall be summarily rejected. IIT BHUBANESWAR reserves the right to cancel the tenders before submission/opening of tenders, postpone the tender submission/opening date and to accept/reject any or all tenders without assigning any reasons thereof. IIT BHUBANESWAR's assessment of suitability as per the eligibility criteria shall be final and binding. Tenderers may note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. The decision of IIT BHUBANESWAR in this regard shall be final and binding.
- 2.2.12 The sealed EMDs shall be received at the Office of Superintending Engineer (Civil), 3rd Floor, Main Building, IIT Bhubaneswar before the due date, time of submission BID. EMD received after the due date and time shall not be considered.

2.3 EVALUATION OF BIDS AND AWARD OF WORK

- 2.3.1 The Bid of bidder will be opened on the specified date and time. Bids shall, first, be checked for payment of Earnest Money.
- 2.3.2 The Bid of bidder will be opened electronically on the specified date and time of opening at the Engineering Section, 3rd floor, Main Building in the presence of willing bidders or their authorized representatives.
- 2.3.3 Evaluation of Technical Bid: The bids received will then be assessed based on the eligibility criteria mentioned at Para 1.3 of this Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.3.4 IITBBS retains the right to revert back to individual bidders with further clarifications/ queries on the Technical Bid. The bidder has to respond to the queries within the specified time.
- 2.3.5 Financial Bid will be opened on a later date.
- 2.3.6 Financial bids of the technically qualified bidders will only be opened. However, if a bidder does not quote any percentage above/below on the total amount of the tender, the tender shall be treated as invalid and will not be considered as lowest tender.
- 2.3.7 Letter of Acceptance: LOA will be issued to the L1 bidder & the bidder is required to furnish a Performance Guarantee/Security within the scheduled time & extension if any.
- 2.3.8 Work Order will be issued after receipt of the Performance Guarantee/Security.
- 2.3.9 Agreement (Contract) consisting of complete tender document including conditions, Tender Schedule, Scope of work etc. and acceptance thereof together with any correspondence leading thereto, shall be drawn and signed with the awardee within 20 days from the issue of Work Order.
- 2.3.10 Stamp paper for the agreement has to be arranged by the bidder, the cost of which will also be borne by the contractor.
- 2.3.11 Date of start of work shall be reckoned from the date of the issue of the Work Order.

Superintending Engineer(C)
IIT Bhubaneswar.

Validate

Print

Help

Percentage BoQ

Annexure-I

Tender Inviting Authority: Superintending Engineer(Civil)						
Name of Work: Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni						
Contract No: IITBBS/SE/Engg.cell/05/2026-27						
Name of the Bidder/ Bidding Firm / Company :						
<u>PRICE SCHEDULE</u>						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
01	Operation & Maintenance of 02 nos of Water Cooled Chiller Plants [2 X (4 X 275 Tr)= 2200 Tr capacity] and Maintenance of 02 nos. of Air Cooled Chiller Plants [(1 X 3 X 325Tr) + (1 X 2 X 225Tr)= 1425 Tr capacity] as per scope	04	Qtr	3806385.00	15225540.00	One Crore Fifty-two Lakh Twenty-five Thousand Five Hundred Forty only

Total in Figures				15225540.00	INR One Crore Fifty-two Lakh Twenty-five Thousand Five Hundred Forty Only
Quoted Rate in Figures		Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only				

DETAILS ABOUT BIDDING AGENCY

Sl No	Particulars	Details
01	Full name of the bidder (In capital letters)	
02	Full address of the bidder for official communication:	
03	(a) Telephone Number for official communication: (b) E-mail Address for official communication:	
04	Name and details of the authorized signatory (Name, Designation, Address, Telephone number, Mobile number, E-mail Address)	

I hereby certify that the above particulars are true and correct. If any fact/information is found incorrect/misleading, the bid would be liable for rejection and legal action as deemed suitable will be taken against our firm.

(Signature of Authorized Signatory of the bidder)

(Stamp of the Bidder)

Detailed Scope of Work:**A] Operation of the Plants: [2 X (4 X 275 Tr)= 2200 Tr capacity]**

- I. 04 Persons having experience in operation & maintenance of Chiller plants & its associated equipment have to be deployed at site in two shifts (6 am to 2 pm & 2 pm to 10 pm) throughout the year (365/366 days).
- II. The operators has to maintain the register on daily basis capturing the operational parameters like voltage, current, Energy, suction pressure, discharge pressure, evaporator in/out temperature, Condenser in/out temperature, hardness of Sift water etc.
- III. All the maintenance activities to be recorded in the log book on daily basis.
- IV. They will be responsible for the operation of the 02 plants (Plant-1 & 2 – Water Cooled system, both High side & low side) as per the requirement of the Institute as per the direction of the Engineer in-charge.
- V. In case additional manpower will be required for the operation of the plants during the contract period, the agency has to provide additional manpower based on the request received from IIT Bhubaneswar against which extra payment will be made as per the latest central govt wages.

B] Maintenance of the Chiller Plants:**1. Water Cooled Chiller plants:**

	S.Head	Maintenance Work Description	Periodicity
a.	Water quality monitoring & Softener Plant maintenance:		
	i.	Softener plant Water quality parameter checking. (pH, Electric Conductivity, M Alkalinity, Chlorine ion, Sulphuric acid ion, Total Hardness, Total Iron, Sulphur Ion, Ammonium Ion, Silica in Ion State, Total Dissolved Solid)	Quarterly
	ii.	Hardness to be checked at site & maintained below 50 ppm.	Monthly
	iii.	Softener plant maintenance which includes salt charging, resin replacement if required. Pump-motor alignment checking, leakage arresting from the system. Repairing/replacement of pump-motors.	As required.
b.	Water Cooled Chiller Unit Maintenance:		
	i.	Condenser, Evaporator tube inspection & descaling minimum once in a year. However, if required descaling has to be done as per the requirement at site based on the discharge pressure, leaving water temperature. Normal descaling to be done through nylon brush. In case, the scales could not be removed through normal brushing, chemical cleaning to be done. Required chemicals to be supplied with due recommendation from OEM or Original equipment supplier. Chiller in/out Temperature, pressure, flow in USGPM & IEER/IKW/TR to be recorded before descaling & after descaling work to know the performance of the Chillers.	As required.
	ii.	Compressor oil replacement along with related consumables.	Annually.
	iii.	Chilled water line water replacement.	Annually

	iv.	Refrigerant leakage if any to be identified & should be rectified. Refrigerant (R134a), drier to be supplied by the agency within the AMC cost.	As required.
	v.	Cooling Tower basin cleaning, Blow down.	Fortnightly.
	vi.	Chemical dosing in the condenser circuit. Required chemical to be supplied with due recommendation from OEM or Original equipment supplier.	As required.
	vii.	Cooling tower fan-motor alignment checking. Inspection for any abnormal noise/vibration & rectification of the same in fan, fan guard, motor drive shaft & guards gear reducers. Bearing replacement if required. Related consumable to be supplied within the AMC cost.	Quarterly
	viii.	Replacement of nozzles & net of pot strainer.	As required.
	ix.	Float valve adjustment/replacement if required.	As required.
	x.	Calibration of Controllers & other instruments wherever applicable.	Half-yearly.
	xi.	Replacement of the faulty instruments/meters (energy meters, Voltmeter, Ammeter)/Gauges (pressure, Temperature)/Sensors.	As required.
	xii.	Cleaning & terminal tightness checking of all the Electrical panels installed in the plant room which includes main incomer panel, starter panels of pump-motors, VFD panels etc.	Half-yearly.
	xiii.	Primary/ Secondary/ Condenser Pump-motor Voltage, Current, Frequency parameter checking & recording. Also the alignment need to be checked with the help of Dial gauge. The alignment has to be maintained as per the standard. Instruments required to be arranged by the agency.	Quarterly
	xiv.	Motor rewinding & replacement of bearing, Mechanical seal/gland packing as per the requirement within the AMC cost.	As required.
	xv.	Repair, replacement of VFDs of the Secondary pumps & Soft starters.	As required.
	xvi.	Repairing of the compressor, Evaporator tubes and Condenser tubes. Complete dismantling, shifting, transportation till re-erection & operation. Operational parameters to be recorded after the repairing work like current, pressure, temperature etc.	As required.
	xvii.	Maintenance of the valves, if required. Consumables to be provided if required during the maintenance.	As required.
	xviii.	Leakages if any in the chilled water line to be attended, consumable for which have to be supplied by the agency within the AMC cost. Welder if required to be deployed at site with welding machine & welding rods.	As required.
c.	Air handling Unit (AHU, CSU, FCU, TFA, HRW) maintenance.		
	i.	Motor belt drive tightness checking. Greasing/lubrication of moving parts including motor bearing.	Monthly
	ii.	Filter cleaning.	Fortnightly
	iii.	Heat exchanger coil wet cleaning & backwashing.	Quarterly

	iv.	Drain system operation checking & cleaning if found choked.	Quarterly
	v.	Motor Voltage, Current, frequency checking & recording.	Quarterly
	vi.	Motor protection, CFM checking & recording.	Half-yearly
	vii.	Air balancing wherever required.	As per the requirement.
	vii.	Valve replacement. (Valve will be supplied by the Institute)	As required.

2. Air Cooled Chiller plants: [(1 X 3 X 325Tr) + (1 X 2 X 225Tr)= 1425 Tr capacity]

	S.Head	Maintenance Work Description	Periodicity
a.	Water quality monitoring & Softener Plant maintenance:		
	i.	Water quality all parameter checking. Hardness to be maintained below 50 ppm.	Quarterly
	ii.	Softener plant maintenance which includes salt charging, resin replacement if required. Pump-motor checking, leakage arresting from the system.	As required.
b.	Air Cooled Chiller Unit Maintenance:		
	i.	Evaporator tube inspection & descaling minimum once in a year. However, if required descaling has to be done as per the requirement at site. Normal descaling to be done through nylon brush. In case, the scales could not be removed through normal brushing, chemical cleaning to be done. Required chemicals to be supplied with due recommendation from OEM or Original equipment supplier. Temperature, pressure & IEER to be recorded before descaling & after descaling work to know the performance of the Chillers.	As required.
	ii.	Compressor oil & related consumables replacement.	Annually.
	iii.	Chilled water line water replacement.	Annually.
	iv.	Condenser fan coil cleaning.	Monthly.
	v.	Parameter checking & recording of the Chillers.	Quarterly.
	vi.	Calibration of controller/pressure/temperature gauges wherever applicable.	Quarterly.
	vii.	Repairing/Replacement of Energymeters, ammeters, voltmeters, pressure indicators, temperature indicators & other sensors.	As required.
	viii.	Cleaning & terminal tightness checking of all the Electrical panels installed in the plant room which includes main incomer panel, starter panels of pump-motors, VFD panels of Chillers & Secondary pumps etc.	Half-yearly.
	ix.	Primary/ Secondary Pump-motor Voltage, Current, Frequency parameter checking & recording. Also the alignment need to be checked with the help of Dial gauge. The alignment has to be maintained as per the standard.	Quarterly
	x.	Condenser fan-motor Voltage, Current, Frequency parameter checking & recording.	Quarterly
	xi.	Repair & replacement of VFDs of the Chiller units, condenser fans & Secondary pumps.	As required
	xii.	Repairing of the compressor, Evaporator tubes. Complete dismantling, shifting, transportation till re-erection.	As required

	xiii.	Condenser fan-motor, primary/secondary pump-motor rewinding/repairing. Complete dismantling, shifting, transportation till re-erection.	As required
	xiv.	Replacement of oil seals/bearings of pump-motor sets.	As required
	xv.	Refrigerant leakage checking & arresting. R134a refrigerant to be supplied within the AMC cost.	
	xvi.	Condenser fan alignment checking & correction/adjustment.	Annually.
c.	Air handling Unit (AHU), CSU, FCU, TFA maintenance.		
	i.	Motor belt drive tightness checking. Greasing/lubrication of moving parts including motor bearing.	Monthly
	ii.	Filter cleaning.	Fortnightly
	iii.	Heat exchanger coil wet cleaning & backwashing.	Quarterly
	iv.	Drain system operation checking & cleaning if found choked.	Quarterly
	v.	Motor Voltage, Current, frequency checking & recording.	Quarterly
	vi.	Motor protection, CFM checking & recording.	Half-yearly
	vii.	Air balancing wherever required.	As required
	vii.	Actuator/Valve repair/maintenance.	As required
	viii.	AHU VFD repairing/replacement.	As required

COMMON REQUIREMENT COVERED UNDER THE SCOPE		
1	Supply of primer, enamel paint and painting of chilled water pipeline for plant rooms.	Annually
2	Strainer cleaning (Plant Room, AHU side, CSU, FCU, TFA etc) wherever applicable.	Quarterly.
3	Replacement of 'V' belts of AHU, CSU, TFA etc.	As required
4	Rewinding of AHU/CSU/FCU/TFA motor if burnt out.	As required
5	Replacement of AHU/CSU/TFA motor terminal blocks in case of burnt out.	As required
6	Repair/replacement of Air Circuit Breakers.	As required
7	Consumables required during the maintenance like gaskets, 'O' rings, nuts, bolts, washers, cotton waste, lubricant, circlip, gland packing, Mechanical seal, shaft key, oil dash pot.	As required
8	Items related to Electrical panels like indication lamp, push button, contactors, relays, timer to be replaced within the AMC cost.	As required
9	All electronic cards/controllers.	As required

EXCLUSION	
	HIGH SIDE:
1	BMS maintenance.
2	Supply of new chiller, compressor or condenser, if found beyond repairable.
3	Supply of the new compressor motor, if found beyond repairable.
4	Supply of the new fills, motors of cooling tower.
5	Supply of new pipes.
6	Supply of new cables.
7	Supply of MCCB/MCB
	LOW SIDE:
1	Internal Cleaning of HVAC Duct.

2	Supply of ducts, insulation of the ducts.
3	Supply of new Electrical panels.
4	Supply of pipes, valves.
5	Supply of AHU/CSU/FCU fan motors if found beyond repair.
6	Supply of fans, Heat exchanger coils if found beyond repair.
7	Supply of Griils/diffusers/dampers.

- One Engineer having experience in O & M of chiller plants to be deployed at site on weekly basis to assess the performance/parameters of the Chiller unit & to submit a report. The engineer also has to be present during the major overhauling work including major breakdown to ensure timely completion of the work
- 04 Persons (02 Skilled, 02 Semiskilled) having experience in maintenance of Chiller plants & its associated equipment to be deployed at site in general shift (9 am to 6 pm) throughout the year except Sundays & Holidays to carry out the schedule maintenance & breakdown maintenance.
- Existing ladders can be utilized for the maintenance purpose.
- All the General, special tools & tackles/instruments/equipment required for the work has to be arranged by the supplier within O & M cost.
- Rigor team/Chainpullly etc. to be arranged by the agency within the O & M cost, if required.

In addition to the above maintenance schedule, the agency has to follow the standard maintenance practices as recommended by the OEM as required on daily basis, weekly basis & Monthly basis.

Superintending Engineer(C)
IIT Bhubaneswar.

Plant Details:**A. 02 nos of Water Cooled Chiller Plants [2 X (4 X 275 Tr)= 2200 Tr capacity]- Plant-1 & 2 High Side****Chiller details**

Description	Plant-1				Plant-2			
	Chiller-1	Chiller-2	Chiller-3	Chiller-4	Chiller-1	Chiller-2	Chiller-3	Chiller-4
Make	Dunham Bush	Dunham Bush	Dunham Bush	Dunham Bush	Dunham Bush	Dunham Bush	Dunham Bush	Dunham Bush
Model No	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R	WCFX41 SRNAU7 BRK3R
Serial No	2B42100198	2B42100197	2B42100196	2B42100195	2B42100200	2B42100199	2B42100201	2B42100202
Refrigerant type	134a	134a	134a	134a	134a	134a	134a	134a
Compressor Motor Model	MSC2236	MSC2236	MSC2236	MSC2236	MSC2236	MSC2236	MSC2236	MSC2236
Compressor Model No	2236NHL6V5K	2236NHL6V5K	2236NHL6V5K	2236NHL6V5K	2236NHL6V5K	2236NHL6V5K	2236NHL6V5K	2236NHL6V5K
Compressor Sl No	KEC-X1854-99	KEC-X1853-99	KEC-X1851-99	KEC-X1852-99	KEC-X1857-99	KEC-X1856-99	KEC-X1855-99	KEC-X1850-99
Condenser Model No	CD20147G260HAG	CD20147G260HAG	CD20147G260HAG	CD20147G260HAG	CD20147G260HAG	CD20147G260HAG	CD20147G260HAG	CD20147G260HAG
Condenser Sl No	1014476	1014475	1014474	1014473	1014478	1014477	1014479	1014480
Evaporator Model No	EF26147H296KAG	EF26147H296KAG	EF26147H296KAG	EF26147H296KAG	EF26147H296KAG	EF26147H296KAG	EF26147H296KAG	EF26147H296KAG
Evaporator Sl No	1014468	1014467	1014466	1014465	1014470	1014469	1014471	1014472
Soft Starter Sl No	1SFA894014R7020	1S160116118251088	1SFA894014R7020	1S160116123341398	1S160116121481451	1S160116121481446	1S160116124101445	1S16011616124231156

Plant-1 & 2 Pump-Motor details

Primary Pumps								
	Plant-1				Plant-2			
Desc ription	Primary Pump-1	Primary Pump-2	Primary Pump-3	Primary Pump-4	Primary Pump-1	Primary Pump-2	Primary Pump-3	Primary Pump-4
Make	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB
Model No	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001	M2BAX160MLA-4 IMB3/IM1001
Serial No	3G3J161432825017	3G3J161432825005	3G3J161432825019	3G3J161432825008	3G3J161432825002	3G3J161432825018	3G3J161432825003	3G3J161432822833
K.W.	11	11	11	11	11	11	11	11
H.P.	15	15	15	15	15	15	15	15
Amp	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
RPM	1463	1463	1463	1463	1463	1463	1463	1463

Secondary Pumps												
	Plant-1						Plant-2					
De scri ption	Sec on dary Pump -1	Sec on dary Pump -2	Sec on dary Pump -3	Sec on dary Pump -4	Sec on dary Pump -5	Sec on dary Pump -6	Sec on dary Pump -1	Sec on dary Pump -2	Sec on dary Pump -3	Sec on dary Pump -4	Sec on dary Pump -5	Sec on dary Pump -6
Ma ke	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB
Mo del No	M2BAX180MLB-4 IMB3/IM1001	M2BAX180MLB-4 IMB3/IM1001	M2BAX180MLB-4 IMB3/IM1001	M2BAX180MLA-4 IMB3/IM1001	M2BAX180MLA-4 IMB3/IM1001	M2BAX180MLA-4 IMB3/IM1001	M2BAX180MLB-4 IMB3/IM1001	M2BAX180MLB-4 IMB3/IM1001	M2BAX180MLB-4 IMB3/IM1001	M2BAX180MLA-4 IMB3/IM1001	M2BAX180MLA-4 IMB3/IM1001	M2BAX180MLA-4 IMB3/IM1001
Se ri al No	3G1J1630001349178	3G1J1630001349185	3G1J1630001349180	3G1J16310001351858	3G1J16310001351859	3G1J16310001351860	3G1J16330001356600	3G1J16330001356615	3G1J16330001356613	3G1J16340001360752	3G1J16340001360751	3G1J16340001360750
K. W.	22	22	22	18.5	18.5	18.5	22	22	22	30	30	30
H. P.	30	30	30	25	25	25	30	30	30	40	40	40
A mp	40.5	40.5	40.5	33.8	33.8	33.8	40.5	40.5	40.5	54.1	54.1	54.1
R P M	1465	1465	1465	1464	1464	1464	1465	1465	1465	1474	1474	1474

Condenser Pumps								
	Plant-1				Plant-2			
Desc ription	Conedens er Pump- 1	Conedens er Pump- 2	Conedens er Pump- 3	Conedens er Pump- 4	Conedens er Pump- 1	Conedens er Pump- 2	Conedens er Pump- 3	Conedens er Pump- 4
Make	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB
Model No	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001	M2BAX1 80MLB-4 IMB3/IM 1001
Serial No	3G1J1630 00013491 83	3G1J1630 00013507 09	3G1J1630 00013491 86	3G1J1630 00013491 81	3G1J1630 00013491 82	3G1J1633 00013566 12	3G1J1633 00013566 04	3G1J1633 00013566 11
K.W.	22	22	22	22	22	22	22	22
H.P.	30	30	30	30	30	30	30	30
Amp	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
RPM	1465	1465	1465	1465	1465	1465	1465	1465

Cooling Tower Motors								
	Plant-1				Plant-2			
Descrip tion	CT-1	CT-2	CT-3	CT-4	CT-1	CT-2	CT-3	CT-4
Make	ABB	ABB	ABB	ABB	ABB	ABB	ABB	ABB
Model No	EHX160 MLE4	EHX160 MLE4	EHX160 MLE4	EHX160 MLE4	EHX160 MLE4	EHX160 MLE4	EHX160 MLE4	EHX160 MLE4
Serial No	1072496	1056502	1065205	1065206	1072501	1072502	1072504	1072503
K.W.	15	15	15	15	15	15	15	15
H.P.	20	20	20	20	20	20	20	20
Amp	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
RPM	1455	1455	1455	1455	1455	1455	1455	1455

B. LHC Chiller plant High Side

Chiller Details

Description	Chiller-1	Chiller-2	Chiller-3
Make	Dunham Bush	Dunham Bush	Dunham Bush
Model No	ACHX-B350T-AUNQV	ACHX-B350T-AUNQV	ACHX-B350T-AUNQV
Sl No	2002000061	2002000062	2002000063
Refrigerant	134a	134a	134a
Compressor Motor Model No	HSC 1915	HSC 1915	HSC 1915
Compressor-1 Model No	1204180010	1204180010	1204180010
Compressor-1 Serial No	1024948	1024949	1024952
Compressor-2 Model No	1204180010	1204180010	1204180010
Compressor-2 Serial No	1021947	1024950	1024951
Evaporator Model No	EF24140C256KBH	EF24140C256KBH	EF24140C256KBH
Evaporator Serial No.	1021944	1021945	1021946

VFDs

Chiller-1							
Description	VFD-1	VFD-2	VFD-3	VFD-4	VFD-5	VFD-6	VFD-7
Make	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Serial No	004706H120	004906H120	528914A090	385515A130	373015A130	388515A130	373115A130
PN No	134U7141	134U7142	131L9868	131L9870	131L9870	131L9868	131L9870
K.w.	200	200	7.5	15	15	15	15
H.P.	300	300	10	20	20	20	20
Amp	348	348	12.6	24.7	24.7	24.7	24.7

Chiller-2							
Description	VFD-1	VFD-2	VFD-3	VFD-4	VFD-5	VFD-6	VFD-7
Make	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Serial No	005106H120	005006H120	526714A090	384815A130	385115A130	389015A130	389115A130
PN No	134U7141	134U7141	131L9868	131L9870	131L9870	131L9870	131L9870
K.w.	200	200	7.5	15	15	15	15
H.P.	300	300	10	20	20	20	20
Amp	348	348	12.6	24.7	24.7	24.7	24.7

Chiller-3							
Description	VFD-1	VFD-2	VFD-3	VFD-4	VFD-5	VFD-6	VFD-7
Make	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Serial No	004806H120	004606H120	527614A090	386315A130	386515A130	386215A130	385415A130
PN No	134U7141	134U7141	131L9868	131L9870	131L9870	131L9870	131L9870
K.w.	200	200	7.5	15	15	15	15
H.P.	300	300	10	20	20	20	20
Amp	348	348	12.6	24.7	24.7	24.7	24.7

Primary Pumps			
Description	Primary Pump-1	Primary Pump-2	Primary Pump-3
Make	XYLEM	XYLEM	XYLEM
Model no	2HE2164-0403-A0001	2HE2164-0403-A0001	2HE2164-0403-A0001
Serial No	220880745810	220780733557	220780741694
K.W.	11	11	11
H.P.	15	15	15
Amp	20	20	20
RPM	1455	1455	1455

Secondary Pumps			
Description	Secondary Pump-1	Secondary Pump-2	Secondary Pump-3
Make	XYLEM	XYLEM	XYLEM
Model no	2HE2207-0203-A00001	2HE2207-0203-A00001	2HE2207-0203-A00001
Serial No	220880754159	220880754198	220880754200
K.W.	37	37	37
H.P.	50	50	50
Amp	62.8	62.8	62.8
RPM	2960	2960	2960

PMS Motors		
Description	PMS Motor-1	PMS Motor-2
Make	WILO	WILO
Model No	WJ-203-EM-MOD/C	WJ-203-EM-MOD/C
Serial No	4081227/21W47/531 249	4081227/21W47/5309 61
K.W.	1.2	1.2
H.P.	1.6	1.6
Amp	5.2	5.2

C. Auditorium Chiller plant High Side

Chiller Details

Description	Chiller-1	Chiller-2
Make	Dunham Bush	Dunham Bush
Model No	ACHX-B240T-AUNQV	ACHX-B240T-AUNQV
SI No	2002000060	2002000059
Refrigerant	134a	134a
Compressor Motor Model No	HSC 1616	HSC 1616
Compressor-1 Model No	1204180009B	1204180009B
Compressor-1 Serial No	1021942	1021940
Compressor-2 Model No	1204180009B	1204180009B
Compressor-2 Serial No	1021943	1021941
Evaporator Model No	EF24140C214KBH	EF24140C214KBH
Evaporator Serial No.	1021938	1021939

VFD Details

Chiller-1						
Description	VFD-1	VFD-2	VFD-3	VFD-4	VFD-5	VFD-6
Make	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Serial No						
PN No	134U7141	134U7142	131L9868	131L9870	131L9870	131L9868
K.w.	132	132	11	11	11	11
H.P.	200	200	15	15	15	15
Amp	251	251	22	22	22	22

Chiller-2						
Description	VFD-1	VFD-2	VFD-3	VFD-4	VFD-5	VFD-6
Make	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Serial No	005106H120	005006H120	526714A090	384815A130	385115A130	389015A130
PN No	134U7141	134U7141	131L9868	131L9870	131L9870	131L9870
K.w.	200	200	7.5	15	15	15
H.P.	300	300	10	20	20	20
Amp	348	348	12.6	24.7	24.7	24.7

Motor Details

Primary Pumps			
Description	Primary Pump-1	Primary Pump-2	Primary Pump-3
Make	XYLEM	XYLEM	XYLEM
Model no	2HE2164-0403-A0001	2HE2164-0403-A0001	2HE2164-0403-A0001
Serial No	220880745810	220780733557	220780741694
K.W.	11	11	11
H.P.	15	15	15
Amp	20	20	20
RPM	1455	1455	1455

Secondary Pumps			
Description	Secondary Pump-1	Secondary Pump-2	Secondary Pump-3
Make	XYLEM	XYLEM	XYLEM
Model no	2HE2207-0203-A00001	2HE2207-0203-A00001	2HE2207-0203-A00001
Serial No	220880754159	220880754198	220880754200
K.W.	37	37	37
H.P.	50	50	50
Amp	62.8	62.8	62.8

RPM	2960	2960	2960
-----	------	------	------

PMS Motors		
Description	PMS Motor-1	PMS Motor-2
Make	WILO	WILO
Model No	WJ-203-EM-MOD/C	WJ-203-EM-MOD/C
Serial No	4081227/21W47/53124 9	4081227/21W47/53096 1
K.W.	1.2	1.2
H.P.	1.6	1.6
Amp	5.2	5.2

D. Low Side:

- | | | |
|----------------------------------|---|----------|
| 1. Floor mounted AHUs | - | 111 nos. |
| 2. Ceiling mounted CSUs | - | 84 nos. |
| 3. Ceiling mounted FCUs | - | 49 nos. |
| 4. Floor mounted TFAs | - | 14 nos. |
| 5. VFD for AHUs | - | 78 nos. |
| 6. Electrical panels for AHU | - | 32 nos. |
| 7. Electrical panels for chiller | - | 04 nos. |
| 8. Softner plant of 6KLD | - | 02 nos. |
| 9. Small softener plant | - | 02 nos |

EXISTING EQUIPMENT MAKE LIST

Sl.No	Item	Make
1	Water Cooled & Air Cooled Chiller	Dunhambush
2	Primary Pumps.	Grund Fuss, Bell & Gusset
3	Primary Motors.	ABB, Xylem, Grund Fuss
4	Secondary pumps.	Grund Fuss, Bell & Gusset
5	Secondary Motors.	ABB, Xylem, Grund Fuss
6	Condenser pumps.	Grund Fuss
7	Condenser motors.	ABB.
8	Make up water pump-motor set.	Kirloskar
9	Softener plant.	Ion Exchange.
10	Drier	Grundfoss
11	VFD	Danfoss
12	Soft starter	ABB, PST300-600-70T
13	Electrical panels & Switchgears.	EAP Panel & L & T Switchgears.
14	Pressure gauge	H.Guru
15	PMS Motor	Wilo
16	AHU	ZECO

Manpower Details to be deployed at Site

Following Manpower to be deployed at site for the Work” Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni”.

Category	Nos.	Work Description.
HVAC Engineer. (Diploma with minimum 10 years' experience OR Degree with minimum 5 years' experience).	01 no.	One visit in a week during CAMC period. The engineer also has to be present during the major overhauling work including major breakdown to ensure timely completion of the work.
AC technician-Skilled category. (ITI with minimum 5 years' experience OR Diploma with minimum 2 years' experience in Chiller plant Operation & or maintenance).	04 nos	02 shift for Operation of HVAC plant-1 & 2 & its associated auxiliaries including High side & low side.
AC technician-Skilled category. (ITI with minimum 5 years' experience OR Diploma with minimum 2 years' experience in Chiller plant maintenance).	02 nos	One shift for maintenance of the Chiller plants & its accessories (Both High side & low side)
AC technician-Semi-Skilled category (ITI with minimum 1 years' experience).	02 nos	One shift for maintenance of the Chiller plants & its accessories (Both High side & low side).

COMMERCIAL & OTHER TERMS AND CONDITIONS:

1. **Scope of work:** Details as per **Annexure-III, Annexure-IV, Annexure-V & Annexure-VI** .
2. **Consumables/Small items:**

The rates shall be all inclusive of establishment as well as spares and consumables as per the scope of work. The contractor is required to assess the probable quantity of all types of spares and consumables likely to be required for replacement for keeping all the installations in good working conditions. The consumables and spares shall be of best quality purchased from the original equipment manufacturers or authorized dealers only and shall have to be approved by Engineer in-charge of IIT BBS before use. All spares and consumables mentioned in the scope of work shall be arranged by the contractor for which no extra amount shall be payable. A list of minimum stock to be maintained by the contractor at site to minimize the down time. Replaced parts/ spares, used brunt oil etc. will be the property of the vendor. It is his responsibility to dispose of immediately as per norms of Pollution Control Board/Statutory requirement. Log book and complaint books, all stationery like registers, sheets, markers, pens and pencils etc. will be supplied by the contractor and no extra payment for these shall be made.
3. Executive Engineer-Electrical, IIT Bhubaneswar will be the Engineer-in-charge (EIC) for the Work.
4. **Taxes and Duties:** GST will be reimbursed on issue of tax invoice. GST element is to be disclosed separately in the invoice.
Taxes & labour cess as applicable will be deducted from the Bill.
5. The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the satisfactory completion of the works in line with the scope of work.
6. **Specification:** The execution of work should be done at site as per the scope of the work in line with CPWD/IS specifications & OEM recommendation/standard guideline.
7. **Inspection & Tests:**

The EIC or its representatives shall have the right to inspect and test the spare items for their conformity to the specifications/standards. The contractor has to submit the test certificates of the items to be supplied if asked by the EIC.

The materials on receipt in the Institute's premises shall be checked in presence of the Institute representative and if any material or part thereof is found defective, the same shall be replaced by the Contractor.
8. **Supply of spares during the contract:**

The agency has to bring 03 copies of the challans against supply of spares at site. Challans must be entered & signed at Security gate. One copy to be handed over to the EIC or his representatives.
9. **Contract Period:**

Contract shall be initially for a period of One year & extendable for further period of two years on mutually agreed rates between Institute and contractor at same terms & conditions subjected to satisfactory performance of contractor & approval of competent authority of IIT BBS.

10. Terms of Payment:

No advance payment will be made to the contractor.

Payment will be released within 30 days from date of receiving of the bill subject to successful completion of the work after deducting taxes as applicable.

The reimbursement against the contract will be made on quarterly basis subject to compliance of the maintenance schedule as per the scope of the work attached as **Annexure-III** & trouble free operation of the HVAC plants.

The payment will be released within 30 days from the submission of original tax invoice after each quarter for the scheduled work & after acceptance of the work/materials for the non-scheduled items/extra items after deducting taxes as applicable. The contractor has to submit a compliance report against the maintenance schedule in each quarter along with the bill & also the maintenance log book incorporating the works carried out during corresponding quarter.

In case of non-compliance of the maintenance schedule & non-rectification of the defects, **penalty clause** will be applicable.

11. The GST No. of IIT Bhubaneswar i.e. 21AAAI2760A1ZJ to be written in each invoice / bill submitted by the contractor. The GST amount will be released by the Institute after submission of proof of GST payment.

12. In the case of discrepancy between the any COMMERCIAL & OTHER TERMS AND CONDITIONS of this tender & Schedule-F under Proforma of Schedules, the following order of preference shall be observed:

- i) Commercial & Other Terms and Conditions.
- ii) GCC-2023 of CPWD for Maintenance works.

13. If there are varying or conflicting provisions made in any one document forming part of the contract, the accepting authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.

14. Rates of Items not covered under the scope of this contract:

Rates of the items which are not covered under the scope of this contract will be determined as per CPWD GCC for maintenance works after market rate analysis. After determining the rate of the non-scheduled items, an amendment will be issued to the contractor incorporating the new items.

15. Paying Officer: The Registrar, IIT Bhubaneswar.

16. Performance guarantee/Security: 5% of Tendered value shall be deposited by the successful bidder in the form of Demand Draft drawn in favor of Registrar, IIT Bhubaneswar payable at Bhubaneswar from any nationalized bank or in the form of BG/FDR pledged in the name of Registrar IIT Bhubaneswar/online transaction (Account details as per 2.1.5 for online payment) within the period specified in **Schedule-F**. In case the contractor fails to deposit the said performance guarantee within the period as indicated in **Schedule 'F'** including the extended period, if any, EMD will be forfeited automatically without any notice to the contractor. *As per office memorandum No. DG/Manual-2024/20 dated 27.02.2026 issued by the CPWD, it has been modified in Para 5.2 CPWD Works Manual 2024, that a bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender. In case of*

abnormally low bids as defined, the bidder shall be required to submit Additional Performance Guarantee equivalent to the difference between the 80% amount of ECPT and quoted amount.

The Performance guarantee amount will be released within 60 days after successful completion of the work on written request from the contractor. The amount will be forfeited & credited to IIT BBS's account in case of non-compliance of the terms & conditions of the tender. No interest shall be payable to the bidder against the performance guarantee. If the agency does not start the work or does not perform the assigned work properly and/or in time as per the schedule, the deposits including performance guarantee will be forfeited by the Institute.

In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the contract, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of IITBBS.

The time allowed for submission of the performance guarantee shall be 10 days from the date of issue of "Letter of Acceptance" (LOA). This period can be further extended at the written request of the contractor by the Engineer-in-charge for a maximum period ranging from 1 to 7 days with a late fee @ 0.1% per day of Performance Guarantee Amount. If the bidder still fails to deposit the performance guarantee within the extended time period, i.e. within 11th day to 17th day from the issue of letter of Acceptance (LOA), his/her bid will be rejected and treated as cancelled and the entire Earnest Money Deposit will be forfeited.

17. Issue of LOA (Letter of Acceptance) & Work Order:

LOA will be issued to the successful L1 bidder & Work Order will be issued upon submission of Performance guarantee by the successful bidder.

18. Signing of Agreement:

The contractor upon issue of Work Order within 20 days shall sign the agreement in the non-judicial stamp paper. The cost for the stamp paper will be borne by the contractor.

19. Submission of Warranty certificate against the supply of major spare items:

The OEM's standard warranty certificate must be handed over to the EIC against the supply of major spare items like soft starter, VFD etc which may be replaced during the course of the contract.

20. Penalty Clause in case of nonperformance:

- a- In case the maintenance schedule will not be followed by the contractor, penalty @Rs.500/- for each schedule will be deducted from quarterly bill.
- b- Rs.2000/- will be deducted from quarterly bill, in case the engineer will be absent as per the attached scope.
- c- Rs.500/- per day will be deducted from quarterly bill, in case of minor breakdowns will not be rectified within 48 hrs.
- d- Rs.2000/- per day will be deducted from quarterly bill, in case of major breakdowns will not be rectified within 20 days. This penalty is applicable if the system operation will be interrupted because of the breakdown.
- e- Rs.1500/- per day will be deducted from quarterly bill, in case of the operators will be absent as per the attached scope.

Penalty in each quarter shall not exceed 10% of the contract value including GST for the rectification/maintenance nature of work. However, the penalty against the manpower supply will be as per actual in which case, the penalty amount may exceed the 10% of the Contract value.

Note: The major & minor defects will be assessed by the Engineer In-charge, IIT BBS.

Apart from the above deductions, in case the agency could not comply the maintenance Schedule mentioned in the scope, the same will be done in the risk & cost of the agency & the expenditure so incurred will be adjusted in the quarterly invoice.

Penalty is not applicable under the following conditions

- i.** Force Majeure
- ii.** Loss or damage by fire
- iii.** Civil commotion. Local commotion by workmen, Strike or lockout, affecting any of the trades affecting the work
- iv.** Any other reason which the EIC feels beyond the control of contractor.

21. Records to be maintained at site:

The following Register/logbook shall be maintained by the contractor at site and to be got signed by

Engineer in charge of the Institute or his representative

- a- General Maintenance Log Book for 04 plants & each Building for low side. All the activities including breakdown/preventive maintenance must be recorded in the logbook.
- b- Log Book for operation of 02 plants. Operational parameters to be recorded in the log book.
- c- One register to maintain the spare parts received/replaced at site.

22. Attendance:

A register must be maintained in the in the Chiller plant & the deployed manpower on daily basis must put their signature.

23. Plant Shutdown: Plant shutdown will be arranged by IIT BBS as per the requirement for which the contractor has to give written information minimum three days in advance. Contractor shall try to complete the work with minimum shutdown.

24. The Bid for the work shall remain open for acceptance for a period of 120 days from the date of opening of bid. If any bidder withdraws his Bid before the said period or issue of letter of intent/acceptance whichever is earlier, or makes any modification in the terms and conditions of the bid which are not acceptable to the Institute, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit the Earnest Money. Further the bidders shall not be allowed to participate in the re-bidding process.

25. The Notice Inviting Bid shall form a part of the contract document.

26. Place of Work: The entire work has to be taken up at permanent campus of IIT Bhubaneswar at Argul, Jatni.

27. Site Inspection by the Bidders: The tenderers are advised to inspect and examine the site and its surroundings including the volume of work and satisfy themselves before submitting their bids as to the nature of site, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools

and plants, vehicles, water & electricity access, facilities for the workers and all other services required for executing the work. The nearest water and Electricity source point will only be shown to the contractor from where necessary tapping can be made by the contractor at the time of work execution.

If any Technical data is missing in this document, the contractor has to inspect the plants at site to ensure the make & type of the equipment/system before quoting the rates & in no case whatsoever, the contractor shall claim additional cost during the contract period. The rate quoted in the financial bid is final.

28. **Pollution Control Measures:** Contractor has to follow the rules of State Pollution Control Board while execution of the work. Handling of refrigerant should follow the standard procedure in accordance with the pollution control measure.
29. **Safety:** All safety measures are to be followed by the successful bidder while execution of the contract & safety standard shall be followed as per latest CEA guideline while working near charged Electrical panel/on Electrical system. **Licensed Electrical person** shall be deputed for Electrical works. The Institute does not hold responsibility for any untoward situation arising out due to violation of safety rules. Electrical work permit shall be obtained from the Electrical department of IIT BBS before attempting any Electrical work. Proper safety procedure to be followed by the contractor while handling the refrigerant.
30. IITBBS will not be responsible or liable in case of any accidental injury to the personnel of the contractor at work site or to the general public at work site due to mishandling/improper work execution by the personnel of the contractor. Workmen compensation, PF, ESI of the employees shall be taken care by the contractor. IITBBS will not be responsible for the same. The agency has to submit the proof of payment against ESI/EPF in each quarter against the contract along with the invoice for release of quarterly payment.
31. After completion of work, area to be thoroughly cleaned by the contractor and the wastes are to be taken out through proper waste management.
32. It will be the sole responsibility of the contractor to abide by the provisions of the following acts as to the workers engaged by him for performance of this contract:
 - Employment of Children Act
 - Workmen Compensation Act
 - Employment of Labour / Contract Labour Act
 - Industrial Employment Act
 - Contract Labour Abolition and Regulation Act 1970
 - Minimum Wages Act
 - Employee Provident Fund Act.
 - Any other act or legislation which may govern the nature of the contract.
33. The contractor shall be liable to pay compensation for any loss and damage caused to the property of IIT BBS. The damages made must be rectified by the contractor at his own cost. In case, the rectification will not be done by the contractor, equivalent amount will be deducted from the Bill. The cost for the same will be assessed by the Engineer-in-charge and will be limited to the tendered amount.
34. **Replacement of Engineer & Workmanship at site:** In case the Institute feels to replace any of the person The (Engineer/Supervisor/Technician/Helper) because of any reason, the same must be done by the contractor on intimation from IIT BBS.

35. **Gate Pass:** The contractor must issue/ submit ID proof of all the workers to be deployed at site for entry pass at the time of entry.
36. **Risk Purchase:**
In the event of failure of the contractor to execute the contract to the satisfaction of the Institute, the Institute reserves the right:
a-To reject any part of the Contract executed and deduct payment for such portion of the Contract from the bill.
b-To get the remaining part of the Contract executed through other agency at the risk and cost of the contractor.
37. **Personal Accident Insurance:**
The employees of the contractor will have to be covered under insurance against any personal accident and Institute will not be liable for payment of any compensation on that account. During the execution of work, the contractor shall follow all standard norms of safety measures / precautions to avoid the accident / damages to man, machineries and building. On non-adherence of this clause, suitable fines shall be imposed as decided by engineer in charge. But, in no case the fine imposed by the Institute exceeds the contract value.
38. Corrigendum /Addendum notice if any, will only be uploaded in the web site of IIT Bhubaneswar www.iitbbs.ac.in (Tenders) & in <https://eprocure.gov.in/eprocure/app> . There will be no press publication in this regard. Bidders are required to check the Corrigendum /Addendum notice if any in web site of IIT Bhubaneswar, before finally submitting the bid.
39. The Institute reserves the right to cancel the tender at any time without assigning any reason thereof.
40. **Termination of the Contract:**
The Institute reserves the right to terminate the contract at any time during the contract, if the contractor fails to perform as per the terms & conditions of tender by giving 01 month notice & the Performance Guarantee will be forfeited by the Institute.
41. **Corrupt or Fraudulent Practices**
IIT Bhubaneswar requires that the bidders who wish to bid for this project have highest standards of ethics. IIT Bhubaneswar will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. IIT Bhubaneswar may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.
42. **Interpretation of the clauses in the Tender Document / Contract Document**
In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, IIT Bhubaneswar's interpretation of the clauses shall be final and binding on all parties.
43. **Jurisdiction of the Court:** Dispute/Litigation if any, arising out of this contract, shall be deemed to have been entered into at Bhubaneswar under jurisdiction of Odisha High Court, Cuttack.

SIGNATURE OF CONTRACTOR
(With Seal)

Superintending Engineer (C),
IIT Bhubaneswar

UNDERTAKING FOR GCC COMPLIANCE

I /we hereby undertake that we shall fulfil all the terms and conditions of General Condition of Contract, after the acceptance of our offer in case our offer is accepted; failing which IIT Bhubaneswar may go ahead to take necessary action such as reporting the non-compliance to appropriate government authorities and barring me/us from future participation in IIT Bhubaneswar works.

DATED:

Seal & Signature of Bidder

Form of Performance guarantee / Bank guarantee bond

In consideration of IIT Bhubaneswar having offered to accept the terms and conditions of the proposed agreement betweenand (Hereinafter called “the said contractor(s)” for the work (hereinafter called “the said agreement”} having agreed to production of an irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We(hereinafter referred to as the “Bank”) hereby undertake to (indicate the name of the Bank) pay to IIT Bhubaneswar an amount not exceeding Rs (Rupees.....only) on demand by IIT Bhubaneswar.
2. We do hereby undertake to pay the amounts due and payable (indicate the name of the Bank) under this Guarantee without any demur, merely on a demand from IIT Bhubaneswar 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. We, the said Bank, further undertake to pay to IIT Bhubaneswar 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. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder, and the contractor(s) shall have no claim against us for making such payment.
4. We further agree that the Guarantee herein contained shall (indicate the name of the Bank) 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 IIT Bhubaneswar under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till the Engineer-in-charge, on behalf of IIT Bhubaneswar, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s), and accordingly discharges this guarantee.
5. We further agree with IIT Bhubaneswar that IIT Bhubaneswar (Indicate the name of the Bank) shall have the fullest liberty without our consent, and without effecting 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 IIT Bhubaneswar against the said contractor(s), and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of IIT Bhubaneswar or any indulgence by IIT Bhubaneswar 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.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. Welastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of IIT Bhubaneswar in writing.
8. This Guarantee shall be valid up tounless extended on demand by IIT Bhubaneswar.

Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs

..... (Rupeesonly), and unless a claim in writing is lodged with us within six months of the date of expiry or extended date of expiry of this Guarantee all our liabilities under this Guarantee shall stand discharged.

Dated theday of..... For
(Indicate the name of the Bank)

UNDERTAKING BY THE BIDDER

UNDERTAKING

I\We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I/We, hereby tender for execution of the work specified for the Indian Institute of Technology Bhubaneswar within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs..... has been deposited through demand draft of a scheduled bank / Pay order as earnest money. If I /we, fail to furnish the prescribed performance guarantee within prescribed period, I /we agree that the Director, Indian Institute of Technology Bhubaneswar or his authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I /we fail to commence work as specified, I/we agree that the Director, Indian Institute of Technology Bhubaneswar shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I\We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I\We shall be debarred for participation in there-tendering process of the work.

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

Seal & Signature of Contractor
Postal Address:

Dated:

Witness:

Address

BID SECURITY DECLARATION FORM

Date: Tender No. complete name and address of the purchaser)

I/We, The undersigned, declare that :

I/We understand that, According to your conditions, bids must be supported by a Bid Security Declaration),

I/We, accept that I/we may be disqualified from bidding for any contract with you for a period of two year from the date of notification if I am/We are in a breach of any obligation under the bid conditions, because I/We

- a. Have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b. having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instruction to Bidders.

I /We understand this Bid Security Declaration shall cease to be valid if I am/We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/ our Bid.

Signed: (insert signature of person whose name and capacity are shown)

In the capacity of (insert legal capacity of person signing the bid Security declaration).

Name: (insert complete name of person signing he Bid Security Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder

Dated onday of (Insert date of

signing) Corporate seal (where applicable)

UNDRTAKING REGARDING BLACK LISTING/ NON-DEBARMENT

(on Company/Firm's letter head)

I/We hereby confirm and declare that we, M/s -----, is not blacklisted/ deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have executed/ undertaken the works/ Services during the last 3 years from dt. i.e from the date of publication of the bid.

Signature for Authorized person

Date:.....

Full Name:.....

Place:.....

Company seal:.....

VENDOR MASTER FORM

(To facilitate registration under PFMS and fund transfer through RTGS, NEFT/ INTRA BANK Transfer-One time information required)

SI No.	Information required	Data furnished
1	Name of the supplier company /firm	
2	CIN Number (in case of company)	
3	Complete contact address with PIN number	
4	District with city name	
5	Landline phone number	
6	Mobile number of contact person/ Finance Executive (for SMS on payment details)	
7	e-Mail ID (for receiving payment details)	
8	PAN Number	
9	GST Registration Number (with copy of GST registration certificate)	
10	TAN Number	
11	Bank account number (with a copy of cancelled cheque or Xerox copy of cheque leaf)	
12	Name of the Bank	
13	Name of the Bank Branch	
14	IFSC Code of Bank	
15	MICR Code of Bank	
16	Bank Account details where LC is to be opened in case of foreign suppliers	

I / We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit is not effected at all for reason of incomplete or incorrect information, the Indian Institute of Technology, Bhubaneswar will not be responsible.

Signature of the Contractor/agency

Format for Submission of Financial Turn Over

1.	Financial turnover of the Organization for the last 3 years (Attach CA certified statements)					
	Turnover (In Lakhs)	2022-23 (In case audited document for FY 2025-26 is not available)	2023-24	2024-25	2025-26	Average of 03 consecutive years

• It is hereby submitted that all the terms and conditions of this NIT are acceptable to our agency

I hereby certify that the above mentioned particulars are true and correct. If any fact/information is found incorrect/misleading, the bid shall be rejected, and our agency is liable for legal action.

(Signature of Authorized Signatory.

Name of Authorized Signatory)

(Stamp)

**1. Checklist for documents to be uploaded on
<https://eprocure.gov.in/eprocure/app>**

Sl no.	Document	Reference
1.	Tender Documents (sign. With stamp on each page)	
2.	EMD scan copy (Original Copy has to be submitted physically at the office of SE (Civil) on or before the due date/extended date of submission of bid.)	
3.	Financial Turnover certificate by CA as per Annexure-XIV	
4.	Documents in support of Manufacturers of Chillers	
5.	GST Registration Certificate	
6.	Permanent Account Number	
7.	Work Completion Certificate for Similar works & relevant Work Order during last 07 Years	
8.	ANNEXURE- VIII, X,XI,XII,XIII	
9.	BOQ under financial bid section	

**** Please upload necessary documents only.**

'PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule (Enclosed as **Annexure-I**)

SCHEDULE 'E'

Reference to General Conditions of contract: CPWD GCC 2023 (for Maintenance Works) amended upto date of call of bid.

Name of work: Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni.

Estimated cost of work: Rs.1,52,25,540/- (Including GST)

- (i) Earnest money: Rs 3,04,511/- (to be returned after receiving performance guarantee)
- (ii) Performance Guarantee 5% of Tendered value.
- (iii) Security Deposit- Nil.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:		
1.	Officer inviting tender	The Superintending Engineer (C), IIT Bhubaneswar
2.	Maximum percentage of quantity of items of work to be executed beyond the scheduled quantity for which the acceptable tendered cost will be applicable.	
3.	Definitions:	
	Engineer-in-Charge	The Executive Engineer (E), IIT Bhubaneswar
	Accepting Authority	The Superintending Engineer (C).
	Standard Schedule of Rates	Market Rate
	Department	Indian Institute of Technology, Bhubaneswar
	Contract Form:	CPWD GCC 2023, CPWD Form 7/ 8 as modified & corrected upto date of call of bid.
4.	Clause 1	
	(i) Time allowed for submission of Performance Guarantee.	10 (Ten) days from date of issue of letter of Acceptance/Intent.
	ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	1 (One) to 7 (Seven) days
5.	Clause 2	
	Authority for fixing compensation under clause 2	NA
6.	Clause 5	

	Number of days from the date of issue of Work Order for reckoning date of start.	From the date of issue of WO.
7.	Contract Period	Initially for a period of One year & extendable for further period of two years on mutually agreed rates between Institute and contractor at same terms & conditions subjected to satisfactory performance of contractor & approval of competent authority of IIT BBS.
8.	Authority to decide:	
	(i) Extension of time:	Executive Engineer (E).
	(ii) Rescheduling of mile stones:	NA.
	(iii) Shifting of date of start in case of delay in handing over of site:	Executive Engineer (E).
9.	Clause 10A	
	List of testing equipment to be provided by the contractor.	As Required for the work.
10.	Clause 10CC	Not applicable.
11.	Clause 11	
	Specifications to be followed for execution of work	As per the attached schedule Annexure-I , detailed scope Annexure-III , CPWD/latest IS specification, OEM guideline for all the equipment.
12.	Clause 12	
	Authority to decide deviation of quantity of the schedule items.	Executive Engineer (Elect).
13.	Clause 12.2 & 12.3	
	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply.	Will be applicable in case of deviation.
14.	Clause 16	
	Competent Authority for deciding reduced rates	Executive Engineer (Elect).
15.	Clause 18	
	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	All tools, tackles, instruments and equipment necessary for the work " Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni " shall be arranged by the contractor at site.
16.	Clause 19 C	
	Authority to decide penalty for each default	The Superintending Engineer (C).
17.	Clause 19 D	
	Authority to decide penalty for each default	The Superintending Engineer (C).
18.	Clause 19 G	
	Authority to decide penalty for each default	The Superintending Engineer (C).

19.	Clause 19 K	
	Authority to decide penalty for each default	The Superintending Engineer (C).

FORM-7

INDIAN INSTITUTE OF TECHNOLOGY, BHUBANESWAR, AN INSTITUTE OF NATIONAL IMPORTANCE.

Percentage Rate Tender & Contract for Works.

(A) Tender for the work of: - **Operation & Maintenance of 02 nos of Water Cooled Chiller plants [2 x (4 x 275 TR Capacity)] & Maintenance of 02 nos of Air Cooled Chiller Plants [1 x 3 x 325 TR + 1 x 2 x 225 TR Capacity] including High side & Low side at IIT Bhubaneswar, Argul Jatni.**

- (i) To be uploaded by 15.00 hours on 13.07.2026.
Upload at <https://eprocure.gov.in/eprocure/app>
- (ii) To be opened in presence of tenderers who may be present at 15:00 hours on 14.07.2026 in the office of The Superintending Engineer, IIT BBS.

TENDER

I/We have read and examined the notice inviting tender, schedule, A, E & F, Scope of Work, Specifications applicable, 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.

I/We hereby tender for the execution of the work specified within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications in line with the manufacturer's recommendation and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 120 (One Hundred Twenty) days from the due date of its opening and not to make any modification in its terms and conditions.

A sum of Rs. 3,04,511/- is hereby forwarded as demand draft of a scheduled bank/FDR/online transaction as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the authority inviting tender on behalf of Director, IIT BBS or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that the authority inviting tender on behalf of Director, IIT BBS or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. 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 Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred from participation in the re-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

Institute, then I/We shall be debarred from tendering in IIT BBS in future forever. Also, if such a violation comes to the notice of Institute before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee based on the decision of competent authority of IIT BBS.

I/We hereby declare that I/We shall treat the tender documents 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:

Signature of Contractor

Witness:

Postal Address.

Address:

Occupation:

A C C E P T A N C E

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

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

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

For & on behalf of the Director, IIT BBS.

Signature.....

Dated:

Designation.....