TENDER FOR REPLACEMENT OF
CONDENSER WATER & CHILLED WATER PUMPS FOR AC PLANT AT
IDBI TOWER
INDUSTRIAL DEVELOPMENT BANK OF INDIA LTD.

TENDER


NAME OF THE TENDERER  ............................................................

ADDRESS  .................................................................

.................................................................

LAST DATE OF SUBMISSION OF THE TENDER:  March 31, 2016
INDEX

CONDENSER WATER & CHILLED WATER PUMPS FOR AC PLANT AT IDBI TOWER

(TECHNICAL / CONDITIONS BID)

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(PRICE / COMMERCIAL BID)

PART B

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1. **NOTICE INVITING TENDERS**

IDBI Bank Ltd. invites sealed application in the prescribed format for supply and installation of Condenser Water & Chilled Water Pumps for AC Plant at IDBI Tower, Cuffe Parade, Mumbai -5.

**Pre-qualification Criteria:**

Bidders who fulfil the following requirements shall be eligible:

- The Contractors who have successfully executed supply and installation of total 20 nos. of Pumps of 40 HP capacity & above during last 3 years for Banks, Office Buildings, Hotels etc., High Rise Residential Complex are eligible to apply.
- Bidders should have service set-up in Mumbai for prompt after sales service.
- Bidders shall have the valid authorization letter from the manufacturer.
- Minimum turnover of the company should be Rs. 5.00 Crore per year during last 3 years.

Desirous Bidders may download the tender document from Bank’s website or can be collected from our Head Office at Mumbai. The work is to be completed within **6 WEEKS** from the date of issue of the work order. Application duly supported by prescribed Annexure I & II and an EMD of Rs.50,000/- shall be enclosed in a **sealed envelope No 1**, duly super scribed with the name of work and due date of opening.

The **Sealed Envelop No.2** shall contain **only the Price Bid** in the prescribed format.

Each tender set comprises of the following:

**Part A** (Technical / Conditions Bid) – Annexure I & II, Contents as per index sheet and EMD, General conditions of the contract, Technical requirement and Specification of new Pump Set and the proposed make, model no. and technical details of the Pump set along with brochure & Drawings.

**Part B** (Commercial Bid) – BOQ.

The tender documents including the set of drawings must be submitted to **The General Manager (FIMD), IDBI BANK LTD, Corporate Centre, IDBI Tower, Cuffe Parade, Mumbai** on or before the last date of submission i.e **March 31, 2016 before 03.00 PM.**
At the time of submitting the tender, Bidders shall deposit an earnest money deposit of Rs. **50,000/-** for proper execution of the contract. The EMD has to be deposited in IDBI’s current account No.012610200001663, IFS code – IBKL0000126 (Cuffe Parade Branch). Tender not accompanied by a proof EMD deposited shall be summarily rejected.

EMD shall not bear any interest and this amount shall be forfeited in the event of refusal or delay on the part of the tenderer to sign and execute the contract, in case his tender is accepted. The EMD of unsuccessful bidders shall be returned after finalization of tender. The EMD of the successful bidder shall be adjusted in security deposit.

The tender shall be submitted as per instructions with the name of the work superscripted on the envelopes written prominently and addressed to **The General Manager (FIMD), IDBI BANK LTD, Corporate Centre, IDBI Tower, Cuffe Parade, and Mumbai.**

The full name and postal address of the tenderer shall be written on the bottom left hand corner of the sealed cover. The sealed tenders shall be submitted at the address mentioned above.

The tenders shall be submitted in the following manner and shall contain details / documents as listed below:

One sealed envelope super scribed (in addition to the name of the work) COVER- I - ‘Technical/Conditions Bid ‘Containing the following :

- A complete set of tender document (**Part A** -Technical Bid) as issued, duly filled and signed by the tenderer.

- A proof EMD deposited.

Exceptions and deviations which Bidders may desire to stipulate be given with the Technical Bid in a separate letter. (Bidders are advised to submit the tenders based strictly on the conditions of contract and specifications contained in the tender documents and not to stipulate any deviations. Should it, however, become unavoidable, deviations may be stipulated). The Bank reserve the right to reject such deviations or evaluate the tenders containing deviations having financial implications by adding the cost for such deviations as may be determined by the Bank.

One sealed envelope super scribed (in addition to the name of the work) COVER- II -’Commercial Bid’ containing the following:

A complete set of the tender document (**Part B** – Price Bid & Detail Drawings Set) and listed drawings as issued, duly filled and signed by the tenderer.
No deviations / conditions will be stipulated by the contractor in the Commercial bid. Tenders shall be signed wherever provided for as well as all pages of tender documents shall be initialled at the lower right hand corner by the tenderer.

If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering / taking up of work in IDBI Bank Ltd. The department reserves the right to verify the particulars furnished by the applicant independently.

The Bank also reserves the right to reject any prospective application without assigning any reason and to restrict the list to any number deemed suitable by it, if too many applications are received satisfying the basic pre-qualification criteria.

Acceptance of the tender will rest with the Bank who reserves the right to accept or reject any or all tenders in part or full in case of stipulated deviations or conditions and or quotes with high item rates. Further any tender which does not fulfil any of the prescribed conditions would liable to be rejected.

Process for evaluation of Tender:

Technical bids will be opened on March 31, 2016 at 3.30 pm in the presence of interested tenderers or their authorised representatives. In case of variations / conditions / deviations, if any stipulated by the Bidders, these will be discussed individually with respective tenderers and after giving clarifications if needed, bidders who agrees to accept the terms and conditions as stipulated in the tender / as modified for all the Bidders will be short-listed as qualified tenderers. Bidders who fail to comply with the presented terms and conditions of the technical bid will be declared disqualified.

Commercial bids of qualified Bidders only will be opened at the separate notified date in the presence of interested Bidders.

All the filled rates mentioned in the tender to be inclusive of all duties / taxes / levies / transport charges etc. No escalation in price will be payable for the above work whatever be the reasons.

This tender notice shall form part of the contract.

For IDBI Bank LTD

The General Manager (FIMD)
ANNEXURE-I

The tender of the contractors satisfy the minimum pre-qualification criteria only will be considered for opening. The bank reserves the right to reject any or all applications without assigning any reasons thereof.

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<tr>
<th>Sl.No.</th>
<th>Details</th>
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<tbody>
<tr>
<td>1</td>
<td>Name &amp; Address of the firm</td>
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<tr>
<td>2</td>
<td>PAN No.</td>
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<td>3</td>
<td>Type of organization &amp; year of incorporation.</td>
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<td>4</td>
<td>Correspondence address at Mumbai with contact persons name, telephone number, mobile number etc. (The company should have office and service facilities at Mumbai)</td>
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<td>5</td>
<td>Turnover of the company. Please provide the details for the last 3 years. (Attach proof)</td>
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<tr>
<td>6</td>
<td>Number of similar works (minimum 20 nos of 40 HP &amp; above capacity Pumps) carried out during the last 3 years (Attach proof)</td>
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<td>7</td>
<td>Name &amp; address of the client organizations with details of contact person. Please arrange to provide following details: Number of Pumps of capacity 40 HP and above installed during last 3 years. Year of execution (Attach proof like copy of work order, performance &amp; completion certificate etc.)</td>
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<tr>
<td>8</td>
<td>Whether Annexure-II filled up with full particulars Yes/No</td>
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<td>9</td>
<td>Other information's applicant might like to give in support of the application</td>
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Signature of the authorized person & company seal.
ANNEXURE-II

LIST OF PUMP SETS INSTALLATIONS OF CAPACITY 40 HP AND ABOVE COMPLETED DURING LAST 3 YEARS FOR BANKS, HOTELS, OFFICE ESTABLISHMENTS, HIGH RISE RESIDENTIAL COMPLEX ETC.

SIMILAR INSTALLATIONS DURING LAST 3 YEARS (MINIMUM 20 NO OF 40 HP & ABOVE CAPACITY PUMPS).

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Client</th>
<th>Location of the Installations</th>
<th>Number &amp; Capacity of Pump sets.</th>
<th>Work order Ref.No. &amp; Date</th>
<th>Contract Amount (Rs.)</th>
<th>Remarks</th>
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Note: Copy of the work order and performance certificate should be enclosed for each work.

Signature of the authorized person & company seal.
2. FORM OF TENDER

To,

The General Manager (FIMD)
IDBI Bank Ltd.,
Corporate Centre, Mumbai

Dear Sir,

With reference to the tenders invited by you for the supply, installation, testing & commissioning of Condenser Water & Chilled Water Pumps for AC Plant at IDBI Tower, Mumbai. I/We, the undersigned hereby tender and undertake to execute the works under the contract at the rates quoted by me/us in the schedule of quantities and on the terms and conditions of this tender.

I/We have carefully studied and understood the plans, drawings, terms and conditions, schedule of works and have acquainted myself / ourselves with the general site conditions.

I/We the undersigned hereby tender for the execution of specified works in the tender for ‘IDBI Bank Ltd.’, the rate entered in commercial bid (BOQ showing items of works to be carried out) and accordance in all respects with the specifications, designs, drawings and the conditions of contract.

I/We agree to complete the work within 6 WEEKS including the mobilisation period from the date of issue of the work order.

I/We enclose herewith a proof EMD deposited for Rs. 50,000/- as earnest money deposit. The said sum shall not bear interest and I/we do agree this sum shall be totally forfeited if in the event of your accepting my/our tender, I/We fail within seven days from the date of intimation of the acceptance of tender to commence the work being called upon to do so. The amount of 10 (ten) percent of the total amount of work done deducted proportionately from the interim bills shall remain with the IDBI Bank as retention money till the Defects liability period of 12 months is over and the amount shall bear no interest. However, this payment can be released against submission of a suitable BG (as per attached BG format) submitted from a nationalised bank valid for defects liability period of 12 months.
I/ We undertake that if awarded this work, we shall produce to the full satisfaction of Architect/Engineer-in-Charge before starting the work, the certificate of (I) having registered with the Assistant Commissioner of Labour as required under contract labour (Regulation & Abolition/Rules 1970) and (II) having registered with the Sale Tax Department. We will adhere to the provision of all labour and Sales Tax laws. We will indemnity the bank for any breach in this matter.

It is understood by me/us that the lowest or any tender will not necessarily be accepted.

Yours faithfully,

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(Signature of Bidders)
Name of the Partners of the Firm : 
OR
Name of person having Power of Attorney to sign the Contract : 

Name/s of the Bank/s in which Tenderer maintains Accounts :
Earnest Money Receipt No. :
3. CONDITIONS OF CONTRACT

Tenderers shall sign wherever provided of and all pages of the tender documents. Tenders not so signed shall be liable to be rejected. The tenders shall be submitted in sealed covers in the office of The General Manager (FIMD), IDBI BANK LTD, Corporate Centre, IDBI Tower, Cuffe Parade, Mumbai on or before March 31, 2016 by 3.00 PM.

Tenders which do not contain the stipulated EMD or that do not fulfil any of the conditions mentioned herein shall be rejected at the discretion of the Bank.

Fluctuations in the prices of any materials or equipment or labour etc. shall not be taken into account either for compensation for damage or for extras. The validity of the tender for acceptance shall be 60 days.

All instructions regarding the execution of work shall be received from the Bank’s designated representatives only. Any other instruction issued directly to the contractor by anyone else shall not be binding on the Bank.

During execution of work the contractor must check his work with the drawings. In case of any discrepancy between the actual site conditions and that detailed in the drawings, the matter should be brought to the notice of the Bank’s representative before executing the work. The contractor shall be responsible for all the errors in this connection and will have to rectify all defects at his own cost, failing which the Bank reserve all right to get the same rectified at the risk and cost of the contractor.

The contractor entrusted with the work shall indemnify the Bank against theft, mishaps in works and injury to workmen, damage to person’s property etc. He shall make good the damage at his own expense.

The Bank, shall have the right to omit or cancel, add / or alter any item of work without assigning any reason whatsoever and no claim for compensation for damage will be entertained for such omissions, alterations, additions and cancellations other than taking in account the cost involved for such changes to be plus or minus, and the cost shall be arrived at by the Bank taking into consideration the market rates, site conditions, etc.

Time is the essence of the work. All the works shall have to be completed within 6 WEEKS from the date of issue of work order. If the work is not completed within the aforesaid period the contractor shall pay the Bank and the Bank shall be entitled to deduct from the money due to the said contractor the sum of 0.5% of the contract value per week of delay or part thereof, subject to a maximum limit of 5% of the contract amount.
The contractor shall maintain satisfactory progress of work as well as maintain the desired standard of workmanship. He shall submit fortnightly progress reports to the Bank in the format approved by the Bank. If in the opinion of the Bank the progress is unsatisfactory and/or the workmanship is unsatisfactory, the Bank will take possession of the work in as and where condition with 7 days notice to that effect. The Bank shall then complete the entire work and rectify all the defects at the contractors cost, risk and consequences.

In case the Bank is not satisfied with the quality of materials used by the contractors, they reserve the right to reject such materials/work and direct the contractor to procure such supplies from agencies they deem fit.

It is agreed that if the works are delayed (1) by force majored or (2) by reasons of any exceptionally inclement weather or (3) by reason of loss or any damage by extensive fire not caused by an act or a default on the part of the contractor, by earthquake or civil commotion, strikes or lockouts affecting any of the trade employed upon the works then the Bank shall make fair and reasonable extension of time for completion of works. Upon the happening of any such event, causing delay, the contractor shall immediately give notice thereof in writing to the Bank in all such eventualities, without accepting any contractual/other obligations in this behalf, to seeking extension of time to meet the situation. If no such notice as mentioned above is given within 7 days of happening of such event, no consideration for extra time on account will be given. No claim for damage or compensation will be entertained on this account and the decision on Bank will be final and binding on all parties.

The contractor shall clear the site of work as per the instruction of the Bank's. The site of works shall be cleared of all men, material etc. belongings of the contractor. The site shall be delivered in broom clean and neat condition immediately after the job is completed. In case of failure by the contractor, the Bank shall have the right to get the site cleared at the risk and cost of the contractor.

The contractor shall not, without the written consent of the Bank change the deputed representative at the site.

The quoted rates shall be all inclusive of buy back of existing Condenser Water & Chilled Water Pumps, NRVs, Valves etc and cover the cost of all materials, freight, all types of taxes, duties, royalties, testing of material samples brought for approval, tools and tackles, plant and equipment, supervision, overheads, profit and any other expenditure incurred for completion of work as per drawings and specifications.
**Material & Sample:** Material to be new. The whole of the materials / fittings/ equipments employed in connection with the permanent work shall be new and of the best quality. All proprietary material shall be of approved make and the type as stipulated. Lists of approved makes are given at the end of this document. It will be deemed that the Contractor has priced the respective items on the basis of those approved makes. However, it shall be the prerogative of the Bank to choose any particular make among the list as the most appropriate one and the Contractor shall be bound to provide the same without any variation in the contract rate.

Inspection and testing of materials: The Bank shall be kept informed as to the progress of all works being carried out or materials being manufactured, prepared or supplied so that he may be able to make such arrangements for inspection, testing and analysis as he may desire. Wherever desirable by the Bank, representative will be sent to the Contractor’s, sub-Contractor’s and / or manufacture’s premises to test the materials or inspect their manufacture. Should the Bank decide not to send a representative to the said premises, the Contractor shall obtain from the manufacture’s certificate of test, proof sheets, mill sheets, showing that the materials have been tested satisfactory in accordance with the requirements of the specification relating thereto, but neither omission of the Bank to send an inspector nor the production of manufacturer's certificates of test shall affect the liberty of the consultant to reject after delivery of any material found not to be suitable or not in accordance with the specifications. Wherever required, the Bank shall instruct for supply of samples of items, as the case may be, and upon approval of the same, the items shall be fabricated and completed by the contractor (with or without modifications as the Bank shall instruct).

The final bill from the contractor shall not be entertained under any circumstances without full completion of all the items of works. Any work found defective or wrongly carried out and instructed by the Architects to be rectified or replaced, shall be rectified / replaced prior to submission of the final bill. It is to be expressly noted that no final bill will be held valid in the event of non rectification of the defective or wrongly carried out items and completion date shall not on this account be extended. Defects liability period will be effective from the day of satisfactory completion of all items of works, as may be certified by the Bank.

In the event of work being executed on holidays and during or beyond the normal office working hours which might be required for the completion of the work within the stipulated time, utmost care to be taken not to disturb the normal working of the office, neighbouring offices if such a situation exists and it will be contractors responsibility to ensure that work is carried without inviting any complaints from the neighbours.
While executing the work, considerable amount of shifting and re-shifting of items are likely to be involved. It is also likely that some of the items might be required to be temporarily shifted elsewhere in the premises on any other floors. These shall be done by the contractor and no payment against these works shall be separately paid for by the Bank.

The contractor shall acquaint himself with the site conditions, local traffic regulations, local authority regulations, availability of materials, labour tax structure etc. and quote rates accordingly. No extra charges/increase in rates shall be allowed on account of any of these or any other accounts.

The contractor shall have a competent supervisor on the site all the time.

The contractor and/or his authorised representative will attend all the meetings whenever called for and the decision taken in the meeting will be binding on the contractor.

Figured dimensions in all cases to be followed and in no case should they be scaled. Large scale details take precedence over small scale drawings. In case of any ambiguity, conflict of interpretation, generally the provisions giving more vigorous interpretation shall prevail and the Bank’s decisions in this regard shall be final and binding.

In case the local authorities such as ward office raise objections in matters of water/electricity consumption, debris disposal etc. the contractors shall solve the matter at their end, without involving or putting financial liability on the Bank.

The contractor shall be given single electrical connection at the work site. Electrical charges for consumption will be paid by Bank as per the tariff applicable.

The contractor shall be bound to carry out extra items of works and wherever possible, the rate for extra item shall be derived from the rate already quoted, otherwise the rate shall be worked out at as follows:

**Cost of material including transport+ wastage + labour + 15% towards overheads, profit.**

The rates shall be entered in figures as well as in words.

The payment shall be made in the following manner:

70% of the contract amount will be made against delivery of the equipments.

Balance

20% of the contract amount will be released against installation, testing & commissioning of the equipments.

**10% of the contract amount will be** retained till the successful completion of the Defects liability period of **12 months**. However, this payment can be released against submission of a suitable BG (as per attached format) submitted from a nationalised bank valid for defects liability period of 12 months.
When the works are complete in all respects, the contractor shall intimate in writing to the Bank to enable the Bank to take the possession of the same. The work shall not be considered virtually complete until the Bank have inspected the work and certified in writing that this has been completed.

The As Built drawing for the work shall be submitted along with the Final bill duly certified by the Bank. All quantities mentioned in the BOQ are approximate and contractor will not claim any damages for increase/ decrease in profit on account of variation in the final BOQ.

**In case any difference or discrepancy between the specifications / drawings and the description in the schedule of quantities, the schedule of quantities shall take precedence. In case of any difference or discrepancy between specifications and drawing, the specifications shall take precedence.**

All disputes of differences of any kind whatsoever which shall at time arise between the parties hereto touching or concerning the works or the execution or maintenance thereof this contract, the same shall be placed before the single arbitrator, for the time being named as Head – FIMD, IDBI Bank Ltd. or any official of his level in the Bank and his decision will be final and binding on all the parties.

**APPOINTING AUTHORITY:**
The award of the Arbitrator shall be final and binding on both the parties.

It is also a term of the contract that if contractor(s) do/does not make any demand for arbitration in respect of any claim(s) within 90 days of receiving intimation from the Bank that the bill after due verification is passed for payment of a lesser amount, or otherwise, the contractor’s right under this agreement to refer to arbitration shall be deemed to have been forfeited and the Bank shall be relieved and discharge of their liability under this agreement in respect of such claim(s).

Further, it is agreed that for the purpose of this clause, such notice is deemed to have been received by the contractor(s) within 2 days of posting of the letter by the Bank or when delivered by hand immediately after receipt thereof by the contractor(s) whichever is earlier. Further, a letter signed by the officials of the Bank that letter was so posted to the contractor(s) shall be conclusive.

I/We hereby declare that I/We have read and understood the terms and conditions and that we shall abide by them if the work is awarded to us.

Date :

Signature of Bidder,
(To be submitted by the Bidder’s on appropriate value of stamp papers / Franking within 7 days of receipt of LOI)
4. FORM OF AGREEMENT

This agreement (the Agreement) made at ..................... on this ............. day of ..........2016.

BETWEEN

IDBI Bank Limited (IDBI Bank), a company incorporated and registered under Companies Act, 1956 [1 of 1956] and a banking company within the meaning of section 5(c) of Banking Regulation Act, 1949 (10 of 1949) (hereinafter referred to as "IDBI Bank") and having its registered office at IDBI Tower, WTC Complex, Cuffe Parade, Mumbai – 400 005 (which expression shall unless it be repugnant to the subject, context or meaning thereof be deemed to mean and include its successors and assigns) of the One Part

AND

M/s. ..................................Hereinafter called the "Vendor" (which expression shall unless repugnant to the subject, context or meaning thereof be deemed to mean and include its successors) of the Other Part.

The IDBI Bank and the Vendor are hereinafter collectively referred to as the 'Parties'.
WHEREAS
IDBI Bank, for the purpose of Replacement of Condenser Water & Chilled Water Pumps at the existing premises to award the works including supply, installation, testing and commissioning of the pumps, starters, water valves etc., specifications of which are as listed out in technical specifications in the Tender opened dated…………..

IDBI Bank had invited Tenders from the dealers and has accepted a Tender by the Vendor for the works including supply, installation, testing & commissioning of the pumps, starters, water valves etc., specifications of which are as listed out in at the end of technical specifications in the Tender.

The Vendor has agreed to carry out the works including supply, installation, testing and commissioning of the pumps, starters, water valves etc., specifications of which are as listed out in technical specifications in the Tender.

NOW IN CONSIDERATION OF THE FOREGOING IT IS HEREBY AGREED AS FOLLOWS:

ARTICLE 1 – Supply, Installation, testing & commissioning

The Vendor shall upon and subject to the said conditions agreed for supply, installation, testing and commissioning of the pumps, starters, water valves etc., specifications of which are as listed out in the end of the technical specifications in the Tender at the time and in the manner set forth in this Agreement and as described in the Work Orders issued from time-to-time by the IDBI Bank for the Contract Price as agreed to herein. Parties hereto agree and confirm that time is essence of this Agreement.

The IDBI Bank shall pay to the Vendor as per the quoted rate, upon submission of invoices, measurement sheets, and test certificate and installation reports duly checked and certified by IDBI Bank for the respective work.

The quoted Price will be inclusive of basic price, excise duty, transportation cost, insurance cost, loading & unloading charges, VAT/Sales Tax, Service Tax, Octroi etc. Any increase in cost due to fluctuations in dollar rates, fuel prices, rates of materials and labour, excise duties levied by the government etc. from time-to-time on the whole products or components thereof will have to be borne by the Vendor.
It will be imperative for the Vendor to fully inform itself of all legal conditions and factors which may have any effect on the execution of the contract as described in the Tender documents. The IDBI Bank shall not entertain any request for clarification from the Vendor regarding such local conditions.

All applicable taxes shall be deducted by the IDBI Bank at source according to the tax rate prevalent at the time of making the payment.

The Vendor shall be responsible for and obliged to conduct all contracted activities strictly in accordance with contract using state-of-the-art methods and economic principles and exercising all means available to achieve the performance specified in the contract.

The Vendor shall furnish an interest-free amount of **Rs. 50,000/-** (Rupees Fifty Thousand Only) towards the Earnest Money Deposit (EMD) and shall be retained by the IDBI Bank as a security deposit and will be adjusted in security deposit only after successful completion of the contract.

**ARTICLE 2 – Tender to be treated as part of the Agreement**

The Tender along with its Annexures, other attachments and deviations, if any, shall be read and construed as forming part of this Agreement and the vendor hereto shall abide by and submit themselves to the conditions and perform the Agreement on their part respectively in accordance with the terms and conditions contained herein as well as in the Tender.

**ARTICLE 3 – Representations and Warranties of the Vendor**

The Vendor represent, warrant assure, agree, confirm, declare and undertake that -

It is duly organized and a validly existing organization under Indian Laws.

It has power and authority to execute and deliver this Agreement and has taken all necessary steps to authorize execution, delivery and performance of this Agreement.

It has requisite experience, expertise, resources, infrastructure, qualified manpower and other requisite resources to consummate the transactions contemplated under this Agreement.

It has obtained and/or complied with all applicable permits including statutory and regulatory approvals/licenses required to perform the transactions contemplated under this Agreement.

Neither the execution and delivery of this Agreement with the IDBI Bank nor the Vendor's compliance with or performance of the terms and provisions of this Agreement shall contravene any provisions of law or any order, writ, injunction or decree of any Court or Government authority nor shall it violate any provisions of memorandum and articles of association affixation/bye laws/partnership deed or any agreement or arrangement to which the Vendor is party.
It shall carry out the work to IDBI Bank, free from manufacturing defects. Defective parts, if any, shall be removed and replaced immediately within 7 working days of notification, free of charge. If the Vendor having been notified fails to remedy the defect(s) within the period specified, the IDBI Bank may proceed to take such remedial action/s as may be necessary, at the Vendor’s risk and expense and without prejudice to any other rights which IDBI Bank may have against the Vendor under and in accordance with this Agreement/Contract. The delay in carry out the work at the respective destinations beyond the agreed period will attract a penalty of 0.5% of the value of work per week or part thereof of subject to a maximum of 5% of order value as per the respective work order. Any decision of IDBI Bank in this regard shall be final, conclusive and binding on the Vendor.

ARTICLE 4 – Indemnity
The Vendor shall unconditionally and irrevocably, indemnify the IDBI Bank against any claims, losses, costs, actions, suits, damages and or otherwise arising due to or on account of Vendor’s violation of any terms and conditions of this Agreement, violation of trademarks, patents, copyrights and licenses and shall always keep the IDBI Bank, its affiliates, subsidiaries, successors, assigns, officers, directors and employees, indemnified at all times, from and against all claims, losses, damages, costs, actions, suits, compensation or expenses or otherwise, if any, that the IDBI Bank may incur by reason of any action, proceedings which may be brought by or against or taken against the IDBI Bank, by anybody including the customers for anything of any nature whatsoever. This clause shall survive the termination of this Agreement for any reason whatsoever. The Deed of Indemnity shall be executed in the form and to the satisfaction of the IDBI Bank.

ARTICLE 5 - Termination of the Agreement
The IDBI Bank may terminate this Agreement for any default/deficiency of services breach of the terms and conditions of this Agreement by giving 30 days notice to the Vendor requiring it to correct or rectify the defects and deficiency within notice period. In case the specified defects/deficiencies are not rectified within 30 days, IDBI Bank shall terminate the Agreement forthwith and such termination of Agreement by IDBI Bank shall be binding on the Vendor without any challenge. In such case of termination, IDBI Bank shall have the right to claim all costs, charges and expenses incurred/paid by IDBI Bank in account of default/delay by the Vendor. Vendor agrees that IDBI Bank is entitled to deduct or set off the amount of penalty levied and damages claimed by IDBI Bank from the Vendor in terms of said conditions, from any amount due to Vendor under this Agreement and/or forfeit the EMD submitted/furnished as part of this Agreement by the Vendor in full or in part to make good the loss, at the discretion of IDBI Bank, apart from other rights available under the applicable law.
Termination of this Agreement shall not affect or prejudice any provisions of this Agreement, which are expressly or by implication provided to continue in effect after such termination.

ARTICLE 6 – Notices

All notices in connection with this Agreement, shall be given in writing, hand delivered or sent by regd. post / courier or by facsimile transmission, confirmed by courier to the address or fax number specified below, or to such other address or number which the Parties may have last specified. All such notices shall be effective upon receipt to:
5. **SUMMARY OF AGREEMENT**

Date of Commencement : With in 15 **days** from the date of work order

2. Date of Completion : **6 weeks** from the date of work order

3. Liquidated Damages : **0.5 %** of the accepted contract value per week of delay or part thereof subject to maximum of 5% of the accepted contract value.

4. Defects liability period : **12 months**.

5. Earnest Money : **Rs. 50,000/-** to be paid in the form of NEFT (a proof deposit to be submitted) along with the tender at the time of submission of the tender.

6. Retention after virtual Completion : **10%** of the total billed (certified) amount towards defect liabilities to be refunded on successful completion of defects liabilities period of **12 months**. However, this payment can be released against submission of a suitable BG submitted from a nationalised bank valid for defects liability period of 12 months.

7. Period of Final measurements : **15 working days**.

8. Period for honouring final bill : **30 working days** after certification of the work.

**We agree to the terms incorporated in the above ‘Summary of agreement’**

Date : Signature of Vendor(s)
PROFORMA FOR PERFORMANCE SECURITY (BANK GUARANTEE)

BANK GUARANTEE

<table>
<thead>
<tr>
<th>Bank Guarantee No.</th>
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<tr>
<td>Bank Guarantee Amount</td>
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<td>Claim Amount</td>
<td>______________________________</td>
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<tr>
<td>Account</td>
<td>M/s.</td>
</tr>
</tbody>
</table>

THIS GUARANTEE AGREEMENT executed at ___________
this ________ day of _____________ Two Thousand Seven

BY:

______________________ Bank, a body corporate constituted under Banking Corporation (Acquisition and Transfer of Undertakings) Act, 1970/1980, having its Registered Office/Head Office at ____________, and a Branch Office at ___________________________ (hereinafter referred to as “the Guarantor”, which expression shall, unless it be repugnant to the subject or context thereof, be deemed to mean and include its successors and assigns)

IN FAVOUR OF:

INDUSTRIAL DEVELOPMENT BANK OF INDIA LIMITED, (formerly Industrial Development Bank of India, a company registered under the Companies Act, 1956 (1 of 1956) and a banking company within the meaning of Section 5 (c) of the Banking Regulation Act, 1949 (10 of 1949) and having its registered office at IDBI Tower, WTC Complex, Cuffe Parade, Mumbai – 400 005 (hereinafter referred to as “Bank” which expression shall unless it be repugnant to the subject, meaning or context thereof, be deemed to mean and include its successors and assigns),

WHEREAS the Bank pursuant to the Tender Documents, general terms and conditions of Contract, the Agreement and the Purchase Orders (hereinafter collectively referred to as “the said documents”, the Bank has agreed to purchase from M/s…………………. and M/s………………….. has agreed to supply to the Bank certain items of equipment(s), tools and machinery, more particularly described in the Schedule/Annexure to the said documents (hereinafter collectively referred to as “the Equipment”), subject to payment of the purchase price as stated in the said documents and also subject to the terms, conditions, covenants, provisions and stipulations contained in the said documents.

AND WHEREAS pursuant to the above arrangement, the Bank, has placed Purchaser Order No. _____ dated _____, for purchasing the Equipment (hereinafter referred to as “the Purchase
Order”), with M/s. ……………………………(Hereinafter referred to as “Supplier” which expression shall unless it be repugnant to the subject or context thereof, be deemed to mean and include its successors), subject to the terms and conditions contained in the said documents and the Supplier has duly confirmed the same.

AND WHEREAS the Supplier has returned the duplicate of the Purchase Order duly signed in token of its unconditional, unqualified and absolute acceptance, vide its letter dated _____ and has confirmed the performance/ execution of the Purchase Order and the said documents.

AND WHEREAS the said documents and the unconditional, unqualified and absolute acceptance by the Supplier are hereinafter collectively referred to as “the Contract”.

AND WHEREAS in terms of the Contract, the Supplier has agreed to procure an unconditional and irrevocable performance bank guarantee, in favour of the Bank, from a Bank acceptable to the Bank for securing, towards faithful observance and performance by the Supplier of the terms, conditions, covenants, stipulations, provisions of the Contract.

AND WHEREAS at the request of the Supplier, the Guarantor has agreed to guarantee the Bank, payment of the 10% of the Contract value amounting to …………………………..(in words) towards faithful observance and performance by the Supplier of the terms of the Contract.

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

In consideration of the premises, the Guarantor hereby unconditionally, absolutely and irrevocably guarantees to the Bank as follows:

1. The Guarantor hereby guarantees and undertakes to pay, on demand, to the Bank at its office at Mumbai forthwith, the ……………………………………….or any part thereof, as the case may be, as aforesaid due to the Bank from the Supplier, towards any loss, costs, damages, etc. suffered by the Bank on account of default of the Supplier in the observance and performance of the terms, conditions, covenants, stipulations, provisions of the Contract, without any demur, reservation, contest, recourse or protest or without any reference to the Supplier. Any such demand or claim made by the Bank, on the Guarantor shall be conclusive and binding notwithstanding any difference or any dispute between the Bank and the Supplier or any dispute between the Bank and the Supplier pending before any Court, Tribunal, Arbitrator, or any other authority.

2. The Guarantor undertakes not to revoke this Guarantee during the currency of these presents, without the previous written consent of the Bank and further agrees that the Guarantee herein contained shall continue to be enforceable until and unless it is discharged earlier by the Bank, in writing.

3. The Bank shall be the sole judge to decide whether the Supplier has failed to perform the terms of the Contract for supply of Equipment by the Supplier to the Bank and on account of the said failure what amount has become payable by the Supplier to the Bank under this Guarantee. The decision of the Bank in this behalf shall be conclusive and binding on the Guarantor and the Guarantor shall not be entitled to demand the Bank to establish its claim under this Guarantee but shall pay the sums demanded without any objection, whatsoever.
4. To give effect to this Guarantee, the Bank, may act as though the Guarantor was the principal debtor to the Bank.

5. The liability of the Guarantor, under this Guarantee shall not be affected by:
   i) Any change in the constitution or winding up of the Supplier or any absorption, merger or amalgamation of the Supplier with any other Company, Corporation or concern; or
   ii) Any change in the management of the Supplier or takeover of the management of the Supplier by the Government or by any other authority; or
   Acquisition or nationalization of the Supplier and/or of any of its undertaking(s) pursuant to any law; or
   any change in the constitution of the Bank; or
   any change in the set up of the Guarantor which may be by way of change in the constitution, winding up, voluntary or otherwise, absorption, merger or amalgamation or otherwise; or
   The absence or deficiency of powers on the part of the Guarantor to give Guarantees and/or Indemnities or any irregularity in the exercise of such powers.

6. Notwithstanding anything contained hereinabove, the liability of the Guarantor hereunder shall not exceed the rupee equivalent of ...................................................... (in words) being the 10% of the Contract value.

7. This Guarantee will expire on _______________. Any demand or claim under this Guarantee must be received by the Guarantor by ______________ and if no such demand or claim has been received by the Guarantor by the date mentioned as aforesaid, then all the rights of the Bank under this Guarantee shall cease.

8. For all purposes connected with this Guarantee and in respect of all disputes and differences under or in respect of these presents or arising there from the courts of Bombay city/Mumbai city where the Bank has its Head Office shall alone have jurisdiction to the exclusion of all other courts.

IN WITNESS WHEREOF the Guarantor has caused these presents to be executed on the day, month and year first herein above written as hereinafter appearing.

SIGNED AND DELIVERED BY
the within named Guarantor,

______________________,

by the hand of Shri.__________,

its authorised official.

Note :-a) The Name and Designation of the Authorized officer(s) of the bank should be compulsorily mentioned.

   b) A copy of the resolutions/power of attorneys authorizing the officer(s) for executing the aforesaid guarantee.
6. GENERAL SPECIFICATION FOR PUMPING PACKAGE

SCOPE

The scope of this section comprise the supply, erection, testing and commissioning of Condenser Water & Chilled Water pumping package consisting of following:

a. Condenser Water & Chilled Water Pumps
b. Pump Starter Panels
c. Butterfly Valves, Y Strainers & NRV Valves
d. Pressure Gauge (Min. 1 No. per circuit of the Pump)
e. Power wiring and control wiring shall be carried out by installation contractor as shown on the field connection drawings and wiring diagrams supplied with the pumping package.

REFERENCES

a. ANSI - American National Standards Institute
b. NEMA - National Electrical Manufacturers Association
c. UL - Underwriters Laboratories Inc.
d. ETL - Electrical Testing Laboratories
e. CSA - Canadian Standards Association
f. NEC - National Electrical Code
g. ISO - International Standards Organization
h. IEC - International Electrochemical Commission

SUBMITTALS

Submittals shall include the following and shall be specific to this project. General Submittals shall not be accepted.

b. Shop drawing indicating dimensions, foundation details, required clearances and location and size of each pump.
d. Power and control wiring diagrams.
e. Pump data sheets.
MANUFACTURED UNITS

a. Furnish and install as shown on the plans a Pumping System as per approved manufacturers.

b. Butterfly Valves, Y Strainers & NRV Valves, Pressure and related equipment shall be installed by the contractor.

e. Power & Control wiring shall be installed by the mechanical contractor as shown on the field connection drawings and wiring diagrams supplied with the pumping package.

PUMPS

a. SCOPE

The scopes of this section comprise the supply, erection, testing and commissioning of water pumps conforming to these specifications and in accordance with requirements of Schedule of Quantities.

b. TYPE

The type and size of secondary chilled/hot water, and pumps for air conditioning applications shall be in accordance with requirement of Drawings and Schedule of Quantities.

c. CAPACITY

Water flow rates and head of the pumps shall be in accordance with the requirements of Schedule of Quantities.

d. SPLIT CASING PUMPS

i. Pump casing shall be close-grained cast iron of heavy section, horizontally/vertically split, making possible complete servicing of rotating parts without breaking piping or motor connections. Motor to pump connection shall be of the flexible coupling type. Suction passages shall be volute in form, promoting smooth entry to impeller and increased efficiency. Impeller shall be bronze or gun metal, double suction, enclosed type, hydraulically balanced and passages smooth-finished for minimum friction and maximum efficiency. Impeller rings shall be secured from relative movement by tongue and groove fittings. Shaft shall be steel, protected by gunmetal sleeves extending through stuffing boxes. Stuffing boxes shall be extra deep, water sealed with renewable bushes. Shaft shall be supported in ball /journal bearings, grease lubricated, contained in easily removable housing. Pumps shall be fitted with mechanical seals, an air valve, two grease lubricators, drain plug and water seal connections.

ii. Motor shall be energy efficient, totally enclosed, fan-cooled, class-F insulation. Motor shall be specially designed for quiet operation and its speed shall not exceed 1450 rpm. The motor rating shall be such as to ensure non overloading of the motor throughout its capacity range. Motor shall be suitable for 415 ± 10% volts, 3 phase, 50 cycles AC, power supply.
iii. Base shall be of a size suitable for the pump, motor and shaft and shall be constructed of welded steel. Flexible coupling shall be protected by a guard mounted on the common base.

iv. Installation: The pump shall be installed on a concrete foundation as approved by owner's representative in shop drawings.

v. Each pump shall be provided with certified performance curves showing power absorbed and corresponding flow rates by varying the speed. Tests shall be done at factory and may be witnessed by Owner’s site representative.

e. PUMP ALIGNMENT

   Split casing pumps, prior to testing shall be aligned with a dial indicator within 0.05 mm. Monobloc pumps shall be factory aligned with motor on common base, and need not be realigned at site.

f. PERFORMANCE DATA

   Pump performance curves and power consumption with operating points clearly indicated shall be submitted and verified at the time of testing and commissioning of the installation.

g. TESTING

   Pump performance at site shall be computed from the pump curves provided by manufacturer.

PAINTING

   All pumping system, pumps, motors and bases shall be supplied with approved finish. Shop coat of paint that have become marred during shipment or erection shall be cleaned off with mineral spirits, wire brushed and spot primed over the affected areas, then coated with enamel paint to match the adjoining areas.

SERVICE CONDITIONS

   Ambient temperature at full speed, full load operation with continuous drive rated output current:

   10 to 45°C for ratings upto 90 kW without derating

   10 to 40°C for ratings 110 kW and higher without derating

   Relative Humidity : 0 to 95%, non-condensing.

   Elevation : Up to 3,300 feet without derating.

   AC line voltage variation : ± 10% of nominal with full output.

   Starter Panel Enclosure protection : Minimum IP 55, integral, with no additional cabinets.

   Side Clearances : No side clearance shall be required for cooling.
All power and control wiring shall be done from the bottom.

QUALITY ASSURANCE

1. All optional features shall be functionally tested at the factory for proper operation.

INSPECTION AND TESTING

I. All equipment and components supplied may be subjected to inspection and tests by the Bank during manufacture, erection/installation and after completion. The inspection and tests shall include but not be limited by the requirements of this contract document. Prior to inspection and testing, the equipment shall undergo pre-service cleaning and protection.

II. Tenderers shall state and guarantee the technical particulars listed in the Schedule of Technical Data. These guarantees and particulars shall be binding and shall not be varied without the written permission of the Bank.

III. No tolerances shall be allowed other than the tolerances specified or permitted in the relevant approved Standards, unless otherwise stated.

IV. If the guaranteed performance of any item of equipment is not met and/or if any item fails to comply with the specification requirement in any respect whatsoever at any stage of manufacture, test or erection, the Bank may reject the item, or defective component thereof, whichever he considers necessary; and after adjustment or modification as directed by the Owner’s site representative, the contractor shall submit the item for further inspection and/or test.

V. The approval of the Bank of inspection and/or test results shall not prejudice the right of the Bank to reject an item of equipment if it does not comply with the contract document when erected, does not or prove completely satisfactory in service.

VI. The Contractor shall be responsible for the timely transmission of the relevant and appropriate sections of the contract document to manufacturers and sub-contractors for the proper execution of all tests at their works as per contract specifications.

TESTS AT MANUFACTURER’S WORKS

I. All tests to be performed during manufacture, fabrication and inspection shall be agreed with the Bank prior to commencement of the work. The Contractor shall prepare the details of the schedule and submit these to the Bank for approval. It must be ensured that adequate relevant information on the design code/standard employed, the manufacture/fabrication/assembly procedure and the attendant quality control steps proposed are made available to the Bank who will mark in the appropriate spaces his intention to attend or waive the invited tests, or inspections.

II. Functional electrical, mechanical and hydraulic tests shall be carried out on completed assemblies in the works. The extent of these tests and method of recording the results shall be submitted to, and agreed by, the Bank in sufficient time to enable the tests to be satisfactorily
witnesses, or if necessary for any changes required to the proposed programme of tests to be agreed.

III. The Bank reserves the right to visit the Manufacturer's works at any reasonable time during fabrication of equipment and to familiarize himself with the progress made and the quantity of the work to date.

IV. Within 7 days of completion of any tests, triplicate sets of all principal test records, test certificates and correction and performance curves shall be supplied to the Bank.

V. These test records, certificates and performance curves shall be supplied for all tests, whether or not they have been witnessed by the Bank or not. The information given on such test certificates and curves shall be sufficient to identify the material or equipment to which the certificate refers and should also bear the Contract reference title.

VI. When all equipment has been tested, the test certificates from all works and site tests shall be compiled by the Contractor into volumes and bound in an approved from complete with index and copies of each volume shall be supplied to Bank.

VII. Stage wise inspection of equipment in factory is waived.

PERFORMANCE TESTS AT MANUFACTURER'S WOKS

I. All equipment may be subjected to routine performance tests at the Manufacturer's Works in accordance with the relevant ANSI, ASME, ASTM, BIS standard including operating tests of complete assemblies to ensure correct operation of apparatus and components.

II. Pumps, fans, compressor, and other rotating equipment shall be given full load tests, and run to 15% overspeed for 5 minutes to check vibration. Main and auxiliary gear boxes shall be subjected to shock load tests and a six-hour endurance run at rated speed and maximum torque.

III. The Contractor shall submit single line diagrams including the layout of the Plant together with the location of test instrumentation and the principal dimensions of the layout. All calculations to derive performance data shall be made strictly in accordance with format given in the approved standards. Any alterations or deviations from the approved standard test layout or formulae shall be subjected to the prior approval of the Bank.

IV. The performance test shall be conducted over the full operating range of the pump to a closed valve condition and a minimum of five measurement points covering the full range shall be taken. Curves indicating Quality vs. Head, Quantity vs. Power absorbed, and Quantity vs. Pump efficiency shall be provided. In addition a curve of the NPSH required vs. Quantity shall be provided except when the suction conditions do not require this test. Any proposal for the omission of this test shall be to the approval of the Bank.

V. On completion of the tests the Contractor shall submit a report showing the test results obtained together with the curves corrected to the site operating conditions.
## INSTRUMENT CALIBRATION REPORT

### PROJECT

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### REMARKS.

TEST DATE ________________________________  READING BY ________________

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## PUMP TEST REPORT

**PROJECT**

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**REMARKS**

**TEST DATE** _____________________  **READINGS BY** _____________________
7. LIST OF CONTRACT DRAWING, DOCUMENTS & MANUALS

The supplier shall submit the following drawings, documents and technical manuals in four(4) sets in six(6) weeks from the date of placement of work order.

Descriptions of drawings/documents:

- GA Drawings and foundation drawings of Condenser Water & Chilled Water Pumps. Control Wiring diagram, shop drawings and foundation drawings shall be submitted for approval before the start of installation work.

- Bill of materials for the above.

- Power and control schematics.

- Any other drawing/document required for the system.

The bidder shall submit "as made" drawings of the above. 3 sets of hard copies, 02 sets of operation and maintenance manuals and 02 sets of type and routine test certificates of major equipments.
8. List of Approved Makes / Brands

All materials to be supplied and installed by the contractor shall be of approved makes and conform to the relevant Indian Standard and bear `ISI' marking distinctly. Wherever the make and model of an item is specifically mentioned in the Bill of Quantity the same shall be considered and quoted for, in the tender. However for the guidance of the contractor some of the approved makes of materials are listed below which can be used when not specifically mentioned in the BOQ. In case the make and model of any item required to be installed is not available in the following list, the same shall be got approved from IDBI representative prior to being brought to site and installed. However catalogues, leaflets and a sample of all material, whether covered in the list or not, shall be submitted to IDBI Bank for approval and only on approval of the same, further orders shall be placed by the contractor. Any material brought to site without the above procedure is liable to be rejected outright.

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<tr>
<td>10</td>
<td>CRIMPING TYPE LUGS</td>
<td>DOWELLS/3D/BRACO</td>
</tr>
<tr>
<td>11</td>
<td>TERMINALS</td>
<td>ELMEX/CONNECTWELL/WAGO</td>
</tr>
</tbody>
</table>
NOTE:

01.  All above are the preferred makes as per Bank for the project. While quoting, Bidders shall clearly mention against each item in Bill of quantities the actual makes considered for pricing or shall attach a separate list of makes of above items.

02.  The makes shall remain standardised to one type/make only. In case of change in makes has to be get approved by the Bank.
9. SCOPE OF WORK

Scope of work of the contractor under this tender include Supply, Installation, Testing, Commissioning and Handing over of:


2. Installation, testing & commissioning of New Condenser Water & Chilled Water Pumps including connecting the cables with New Pump’s & Starter Panels with supply & fixing of cable gland & lugs and modification of the foundation required, if any to complete the installation work. All cabling terminating to the existing panel to be removed properly as required at site.

3. Dismantling & removing of existing Water & Chilled Water Pumps & their starter Panels, modification in piping work & removing of Valves & Y strainer.


5. Any statutory approval required for the above work.

6. Any item not covered above but required for completion of the system as a whole.
CONDENSER WATER & CHILLED WATER PUMPS FOR AC PLANT AT IDBI TOWER

PART B
(COMMERCIAL BID)
(To be submitted in the Envelop-II -Price Bid/ Commercial Bid Cover)

A – Rate for Supply of Condenser Water & Chilled Water Pumps.

<table>
<thead>
<tr>
<th>SI No</th>
<th>Description</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
</table>
| A1    | Supply of following Horizontal base mounted, End Suction, Closed Coupled CONDENSER WATER PUMP for Chilled water system complete with 100 HP/ 75 kw EFF - 1/2 Motor, TEFC Sq. cage, 1450 RPM, foot mount, IP55, Class F insulation suitable for electrical supply of 3ph-4wire / 415V/ 50hz. Pumps set are complete with Mechanical Seal, coupling, coupling guard, MS Prefabricated base frame foundation bolts, spring isolators etc. as required.  
Flow: 1700 USGPM,  
Head: 40 M | 4 | set |          |              |

Excise Duty @.........
VAT @...........
Octroi @..........  
Freight @.........
Other taxes, if any

TOTAL for SUPPLY --------- A1
A2  | Supply of Horizontal base mounted, End Suction, Closed Coupled CHILLED WATER PUMP for Chilled water system complete with 75 HP / 55 kw EFF - 1/2 Motor, TEFC Sq.cage, 1450 RPM, foot mount, IP55, Class F insulation suitable for electrical supply of 3ph- 4wire/ 415V/ 50hz. Pumps set are complete with Mechanical Seal, coupling, coupling guard, MS Prefabricated base frame foundation bolts, spring isolators etc. as required.

<table>
<thead>
<tr>
<th>Flow : 1400 USGPM, Head : 40 M</th>
<th>4 set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excise Duty @............</td>
<td></td>
</tr>
<tr>
<td>VAT @.............</td>
<td></td>
</tr>
<tr>
<td>Octroi @............</td>
<td></td>
</tr>
<tr>
<td>Freight @........</td>
<td></td>
</tr>
<tr>
<td>Other taxes, if any</td>
<td></td>
</tr>
<tr>
<td>TOTAL for SUPPLY ---------</td>
<td>A2</td>
</tr>
<tr>
<td>GRAND TOTAL for SUPPLY ------</td>
<td>(A1+A2)</td>
</tr>
</tbody>
</table>
B – Rate for Installation of Condenser Water & Chilled Water Pumps & its accessories.

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Description of Item</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Removing &amp; Dismantling the existing Pumps</td>
<td>8</td>
<td>Set</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Installation, testing and Commissioning of following Horizontal base mounted, End Suction, Closed Coupled CONDENSER WATER PUMPS for Chilled water system complete with 100 HP/75 kw EFF - 1/2 Motor, TEFC Sq. cage, 1450 RPM, foot mount, IP55, Class F insulation suitable for electrical supply of 3ph-4wire/415V/50hz. Pumps set are complete with Mechanical Seal, coupling, coupling guard, MS Pre-fabricated base frame foundation bolts, spring isolators etc. as required. The quoted rates should include necessary civil work for required foundation including dismantling of existing foundation etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>Flow : 1700 USGPM, Head : 40 M</td>
<td>4</td>
<td>Set</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Installation, testing and Commissioning of following Horizontal base mounted, End Suction, Closed Coupled CHILLED WATER PUMPS for Chilled water system complete with 75 HP / 55 kw EFF - 1/2 Motor, TEFC Sq. cage, 1450 RPM, foot mount, IP55, Class F insulation suitable for electrical supply of 3ph-4wire/415V/50hz. Pumps set are complete with Mechanical Seal, coupling, coupling guard, MS Pre-fabricated base frame foundation bolts, spring isolators etc. as required. The quoted rates should include necessary civil work for required foundation including dismantling of existing foundation etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>Flow : 1400 USGPM, Head : 40 M</td>
<td>4</td>
<td>Set</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Quantity</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>---</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Supply, installation, testing and Commissioning of butterfly valves along with insulation suitable for 20 kg/cm² pressure.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>200 mm dia</td>
<td>16 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Supply, installation, testing and Commissioning of Y strainer along with insulation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>200 mm dia</td>
<td>8 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Supply, installation, testing and Commissioning of NRV/ Dual plate check valve along with insulation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>200 mm dia</td>
<td>8 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Supply &amp; Installation of M.S. 'C' Class Chilled water piping (All water pipes shall be MS class 'C' (heavy class) up to 150mm dia as per I S 1239 and 6.3mm thick above 150mm diameter as per IS 3589.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>200 mm dia</td>
<td>100 Mtr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Supply &amp; Installation of Pressure gauges</td>
<td>16 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td><strong>Electrical Starter Panel ---Star Delta</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>Supply, installation, testing &amp; commissioning of 3ph ,Electrical star delta panel suitable for Condenser Water Pump Set Rating 100 HP / 75 KW</td>
<td>4 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>Supply, installation, testing &amp; commissioning of 3ph ,Electrical star delta panel suitable for Chilled Water Pump Set Rating 75 HP / 55 KW</td>
<td>4 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Supply &amp; laying of following CABLES: Power cable should be of aluminum armoured PVC insulated 1.1 KV grade &amp; control cable should be copper cable as per requirements from electrical panel to various equipment and inter connection for electrical interlocks should be provided.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>4C X 150 SQ.MM ARM AL</td>
<td>200 mtr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>4C X 95 SQ.MM ARM AL</td>
<td>130 mtr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c</td>
<td>4C X 70 SQ.MM ARM AL</td>
<td>25 mtr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d</td>
<td>4C X 50 SQ.MM ARM AL</td>
<td>25 mtr</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>11</td>
<td>Cable End Terminations of following cable including supply of glands &amp; lugs as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>4C X 150 SQ.MM ARM AL</td>
<td>8 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>4C X 95 SQ.MM ARM AL</td>
<td>8 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c</td>
<td>4C X 70 SQ.MM ARM AL</td>
<td>8 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d</td>
<td>4C X 50 SQ.MM ARM AL</td>
<td>8 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Providing &amp; fixing of Earthing with following size wire</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>8 SWG GI wire</td>
<td>500 MTR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Insulation for chilled water piping with pre-formed sections of 24 Kg/ 50 mm TF thermocole finished with 400g Polyethylene sheet, &amp; finished with SAND CEMENT Plaster etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>200 mm dia</td>
<td>90 Mtr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Buyback cost of replaced old pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>75 HP Condenser Water Pumps</td>
<td>4 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>50HP Chilled Water Pumps</td>
<td>4 Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Buyback cost of replaced old 200 dia Y Strainers (8 nos), 200 dia Butterfly Valves (16 nos), 200 dia NRVs (8 nos), MS pipes, pressure guages (16 nos) etc.</td>
<td>Lump sum</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL**

VAT @ 8%

Service Tax 14.5% including CESS

**TOTAL FOR INSTALLATION**

Grand Total for Supply & Installation (A+B) = Rs. ....................../-

(Rupees………………………………………………………………………………………………..Only)

(Signature of the contractor with seal)