

# Notice Inviting e-Tender For

## **Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.**

(File No. : AIIMS/BBSR/EE (ELECT.)/PUMP HOUSE/083/2020-2021 refers)



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NIT No. : **AIIMS/BBSR/ENGG./ELECT./051/2020-21**  
Estimated Cost : **Rs.43,33,966.00/-**  
EMD : **Rs.86,700.00/-**  
Period Covers : **One Year (12 Months).**

“Certified that, this tender document contains **50 (Fifty)** pages only”.

**Executive Engineer(I/C), Elect.  
AIIMS, Bhubaneswar**

## Project Cell, AIIMS, Bhubaneswar

|              |   |                                                                                                                                      |
|--------------|---|--------------------------------------------------------------------------------------------------------------------------------------|
| Name of Work | : | <b>Annual Operation &amp; Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.</b> |
| NIT No.      | : | <b><u>AIIMS/BBSR/ENGG./ELECT./051 /2020-21</u></b>                                                                                   |

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**ALL INDIA INSTITUTE OF MEDICAL SCIENCE, BHUBANESWAR**  
**NOTICE INVITING e-TENDER**

|     |                                         |                                                                                                                                                                                                                                                                  |
|-----|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a) | Name of Work                            | <b>Annual Operation &amp; Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.</b>                                                                                                                             |
| (b) | Tender No.                              | <b>AIIMS/BBSR/ENGG./ELECT./051/2020-21</b>                                                                                                                                                                                                                       |
| (c) | Contract Period                         | 01 (One) Year & Extendable up to further 01 (One) year /Second year with Mutual Consent.                                                                                                                                                                         |
| (d) | Estimated Cost                          | <b>Rs. 43,33,966/-<br/>(RUPEES FORTY-THREE LAKHS THIRTYTHREE THOUSAND NINE HUNDRED AND SIXTYSIX ONLY)</b>                                                                                                                                                        |
| (e) | Earnest Money Deposit (EMD)             | <b>Rs.86,700/-<br/>(RUPEES EIGHTY- SIX THOUSAND SEVEN HUNDRED ONLY)</b>                                                                                                                                                                                          |
| (f) | Performance Security (Bank Guarantee)   | <b>5% of Tender Cost.</b>                                                                                                                                                                                                                                        |
| (g) | Security Deposit                        | <b>5% of the Tender Value.</b>                                                                                                                                                                                                                                   |
| (h) | Tender documents will be Issued From    | <b>Download from Institute Website.<br/>(i.e. <a href="http://www.aiimsubnaneswar.edu.in">www.aiimsubnaneswar.edu.in</a>, <a href="http://www.tenderwizard.com">www.tenderwizard.com</a> /<a href="http://www.eprocedure.gov.in">www.eprocedure.gov.in</a>).</b> |
| (i) | Last Date, Time & Place of Submission   | <b>By 03/12/ 2020 at 14.00 Hours through online.</b>                                                                                                                                                                                                             |
| (j) | Date, Time for opening of Technical Bid | <b>On 03/12/ 2020 at 15.30 Hours.</b>                                                                                                                                                                                                                            |

1. The time of submission of Tender is **03/12/2020 by 14.00 Hours**. The indenting Bidder must read the Terms & conditions of AIIMS, Bhubaneswar carefully. He/They should only submit his/her/their bid if he/she/they consider himself/themselves eligible and he/she/they is/are in possession of all the documents required.

2. Information and Instructions for bidders posted on website shall form part of bid document.

3. The Bid documents consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.aiimsubnaneswar.edu.in](http://www.aiimsubnaneswar.edu.in) Or [www.tenderwizard.com/AIIMSBBSR](http://www.tenderwizard.com/AIIMSBBSR).

Executive Engineer(Elect.) (I/C)  
AIIMS, Bhubaneswar

## INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Executive Engineer, Elect. (I/C), AIIMS, Bhubaneswar invites on behalf of Director, AIIMS, Bhubaneswar, Annual maintenance Tender from Valid license holder (MV or Above) reputed contractor in Two (02) Bid system (Technical & Financial respectively) from eligible contractors of CPWD, AIIMS, Any central Govt., State Govt., PSU etc. having successfully completed works of similar nature as per eligibility criteria for the following work:-

| Ser. No. | Description                                                                                                                                                                                                                                                                                  | Details                                                                                                                                                                                                                                                |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a)      | NIT No.                                                                                                                                                                                                                                                                                      | AIIMS/BBSR/ENGG./ELECT./051/2020-21                                                                                                                                                                                                                    |
| (b)      | Name of Work:                                                                                                                                                                                                                                                                                | Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.                                                                                                                              |
| (c)      | Estimated Cost                                                                                                                                                                                                                                                                               | Rs. 43,33,966/-<br>(RUPEES FORTY-THREE LAKHS THIRTYTHREE THOUSAND NINE HUNDRED AND SIXTYSIX ONLY)                                                                                                                                                      |
| (d)      | Earnest Money                                                                                                                                                                                                                                                                                | Rs.86,700/-<br>(RUPEES EIGHTY- SIX THOUSAND SEVEN HUNDRED ONLY)                                                                                                                                                                                        |
| (e)      | Period of Completion                                                                                                                                                                                                                                                                         | 01 (One) Year & Extendable up to 01 (One) year with Mutual Consent.                                                                                                                                                                                    |
| (f)      | Last date and time of online submission of tender                                                                                                                                                                                                                                            | By 03/12/2020 at 14.00 Hours through online.                                                                                                                                                                                                           |
| (g)      | Time and date of on line opening of Tender(Technical Bid)                                                                                                                                                                                                                                    | On 03/12/2020 at 15.30 Hours.                                                                                                                                                                                                                          |
| (h)      | Time and date of opening of Online Financial Bids                                                                                                                                                                                                                                            | To be intimated later.                                                                                                                                                                                                                                 |
| (i)      | Period during which hard copies of EMD (in Original), Registration Certificates, Undertaking and other Documents to be submitted to Executive Engineer (Electrical), Bhubaneswar office by the Bidders for reference. However, the Eligibility will be considered as per uploaded documents. | To be submitted on same Days i.e. on 03/12/2020 i.e. by 15.00 Hours. In case the last day happens to be closed holidays, these Documents shall be submitted on the next working day failing which technical Bid will not be considered for Evaluation. |
| (j)      | Mode of submission of Tender                                                                                                                                                                                                                                                                 | Online.                                                                                                                                                                                                                                                |

1. The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required.
2. Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
3. The bid document consisting of NIT, plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from <http://www.tenderwizard.com/AIIMSBBBSR> or [www.aiimsbhubaneswar.edu.in](http://www.aiimsbhubaneswar.edu.in) free of cost.
4. *For e-tendering of this tender, AIIMS has engaged e-portal maintained by M/s ITI Limited, Bhubaneswar. Intending bidders shall have to register with M/s ITI Limited, Bhubaneswar to participate in the tendering process. For details kindly visit website <http://www.tenderwizard.com/AIIMSBBBSR> or contact Shri SANJEEB MAHAPATRA (Mobile No. 7377708585). If needed they can be imparted training on online bidding process as per details available on the website.*
5. The intending bidders must have valid class-III digital signature to submit the bid.

6. The bid can be submitted only after depositing e-tender Processing Fee in favor of ITI Limited and uploading the mandatory scanned documents as specified within the period of bid submission.
7. Copies of eligibility documents and EMD as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.
8. Bidders must ensure to quote rate of each item. The column meant for quoting rate in figures appears in dark yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). After submission of the bid online the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
9. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
10. Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
11. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
12. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid .
13. **The Bidders shall have to submit original instrument for EMD and self-certified copies of all the scanned and uploaded documents on same Daye i.e. on 03/12/ 2020 by 1500 Hours in the office of Tender Opening Authority. List of Eligibility Documents to be scanned and uploaded within the period of bid submission: -**
  - (a) Demand Draft of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.
  - (b) Appendix 'A to C' duly filled in (Pages 11 & 12 ref.) and signed with stamp.
  - (c) Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 7 refer under Eligibility Criteria with work order copy.
  - (d) Certificate of Registration for GST and acknowledgement of up to date filed return if required.
  - (e) Copy of PAN card
  - (f) Copies of Balance Sheets of last three years.
  - (g) Copies of IT return last 3 Years.
  - (h) Copies of Contractor's Valid Electrical License (MV and above).
  - (i) Copies of ESI Registration (Enclose latest challan copy).
  - (j) Copies of EPF Registration (Enclose latest challan copy).
  - (k) The Bidder should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given to EE (I/C), Elect.
  - (l) Declarations to be given by the Tenderers (as per Page 06.).
  - (m) Copies of annual turnover of last three years.
  - (n) Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.
14. Information & Instruction for Contractor will form Part of NIT.

Executive Engineer (Elect.) (I/C)  
AIIMS, Bhubaneswar

## **DECLARATIONS TO BE GIVEN BY THE TENDERERS**

### **It is to certify that:-**

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

**Date:** \_\_\_\_\_

**Signature of the Tenderer**

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

**Date:** \_\_\_\_\_

**Signature of the Tenderer**

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

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

**Date:** \_\_\_\_\_

**Signature of the Tenderer**

- (d) In case I/we become the Lowest Bidder, Original Instrument for EMD and self certified copies of other Eligibility Documents shall be deposited by me/us with the Superintending Engineer calling the Tender within 01 (One) Week of the opening of financial bid otherwise AIIMS shall reject the bid and also take action to withdraw my/our enlistment/debar me/us from tendering in AIIMS.

**Date:** \_\_\_\_\_

**Signature of the Tenderer**

## **GENERAL RULES & DIRECTIONS**

The Executive Engineer (Elect.) (I/C), AIIMS, Bhubaneswar invites on behalf of Director, AIIMS, Bhubaneswar, Annual maintenance Tender from Valid license holder (MV or Above) reputed contractor in Two (02) Bid system (Technical & Financial respectively) from eligible contractors of CPWD, AIIMS, Any central Govt., State Govt., PSU etc. having successfully completed works of similar nature as per eligibility criteria for the following work:-

1. **Name of Work:** *Tender for “Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.”*
2. The work is estimated to cost of **Rs. 43, 33,966/- (RUPEES FORTY-THREE LAKHS THIRTY-THREE THOUSAND NINE HUNDRED SIXTYSIX ONLY)**. The estimate, however, is given merely as a rough guide.
3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means, **“Annual Electrical maintenance contract of various types of pump, motor and electrical panels with supply of motor/pump spare parts.”**
4. **Eligibility Criteria.** Contractor who fulfill following requirement shall be eligible to apply:-
  - (a) Three (03) similar works each of value **not less than 40%**(i.e. for **Rs. 17, 33, 586/-**) of estimated cost put to tender or Two (02) similar works each of value **not less than 60%** (i.e. for **Rs.26,00,379/-**) of estimated cost put to tender or one (01) similar work of value **not less than 80%** (i.e. for **Rs 34, 67,173/-**) of estimated cost put to tender in **last 07 (Seven) Years** ending 31<sup>st</sup> Mar 2020.
  - (b) The Bidder should have registration up to date with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation**.
  - (c) The bidder should have positive net worth and should not have incurred loss in last 03 (Three) Years ending i.e. by 31<sup>st</sup> March 2020, duly certified by Chartered Accountant.
  - (d) The experience of similar work should be from Central Govt., State Govt., PSU and Autonomous Body, Govt. Hospitals.
  - (e) Agreements shall be drawn with the successful bidders for item/items on prescribed format bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
  - (f) The bid document consisting of plans, specifications, the schedule of quantities of the various type of items to be executed, the set of terms & conditions of the contract to be compiled with other necessary documents.
  - (g) The Bidder/Firm should have Valid Electrical (MV or above) Contractor’s License.
  - (h) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
  - (i) **Average annual financial, turnover during the last three years, ending 31<sup>st</sup> march 2020 should be at least 30% of the estimated cost.**
  - (j) **The period of the contract will be One year from the Date of Start which shall be reckoned from 7<sup>th</sup> day of issue of work order or from the First Date of Handing Over of the Site, whichever is later, in accordance with the phasing, If any, indicated in the bid documents. The tender is initially for a period of one year and may be extended further for a period of 12 Months with mutual consent, on the same Terms and Conditions and Rates.**
5. **Preparation & Submission of Tender through Online.** **The Tender should be submitted in 02 (Two) parts i.e. Technical Bid and Financial Bid Respectively.** The Technical Bid and financial bid should be

sent by the Bidder through online for “**Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.**”

6. **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs.86,700/- (RUPEES EIGHTY-SIX THOUSAND SEVEN HUNDRED ONLY)** by way of Demand Drafts/ Bank Guarantee only. **Scanned Copy of the Demand Drafts/ Bank Guarantee must be uploaded/ attached** with the Technical Bid. The EMD of the successful Bidder shall be returned after the successful submission of Bank Guarantee/**Annual** Deposit and for unsuccessful bidder(s) it would be returned after Award of the Contract. Bid(s) received without Demand Drafts of EMD will be rejected.
7. **Performance Guarantee.** The successful contractor will be required to furnish a Performance guarantee of 05% (Five Percent) of Contract Value after receiving notification of award in the form of Fixed Deposit Receipt or Bank Guarantee from any Nationalized Bank duly pledged in the name of the "All India Institute of Medical Sciences, Bhubaneswar" which shall be kept valid for a period of 60 days beyond completion of all the contractual obligations. The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contractor for unsatisfactory performance or non-observance of any condition of the contract. Performance Security will be discharged after completion of contractor's performance obligations (including Warranty/ Guarantee period) under the contract. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with tender shall be returned after receiving the aforesaid performance guarantee.
8. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids, 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 bidders shall be responsible for arranging and maintaining at his own cost, all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions.
9. The Tender paper/documents can be seen/ downloaded from Official website & submitted through on line. For any query, Executive Engineer, Elect. (I/C), Phone: 0674 – 2476500 AIIMS, Bhubaneswar, may be contacted.
10. The Director, AIIMS, Bhubaneswar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
12. The Director, AIIMS, Bhubaneswar reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
13. The contractor shall not be permitted to bid for works in the AIIMS, Bhubaneswar responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

14. No engineer of gazette rank or other gazette officer employed in engineering or administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid, before submission of the bid or engagement in the contractor's service.
15. The bid for the works shall remain open for acceptance for a period of 75 days from the date of opening of bids.
16. This notice inviting bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall start the work within 15 days from the stipulated date and sign the contract consisting of "The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading there to.
17. **List of Documents to be submitted along with the Technical Bid.**
- (a) Demand Draft of any scheduled Bank against EMD.
  - (b) Form A to C duly filled in.
  - (c) Certificates of Work Experience & Completion Certificate of Similar Work from the officer not less than Executive Engineer or equivalent.
  - (d) Certificate of Registration for GST and acknowledgement of up to date filed return if required.
  - (e) All documents as per Ser. No. 13 (a) to (n) (Page - 05 refers).
18. (a) Security Deposit equal to 05% of the Contract Value will be deducted from the Bills of the Contractor
- (b) The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.
- (c) The quoted Rates shall be inclusive of GST as applicable from time to time.
- (d) Labour CESS @ 1% will be deducted from the Bill.
19. **Goods and Services Tax (GST).**
- (a) **GENERAL REMARKS ON TAXES & DUTIES:** In view of GST Implementation from 1<sup>st</sup> July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.
  - (b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.
  - (c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (hereinafter referred to as "UTGST").
  - (d) Quoted price/rate(s) should be inclusive of all taxes and duties, except GST (i.e. IGST or CGST

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

- (e) The contractor(s) must submit GST challan copy in original duly signed with stamp of firm, against this work before releasing Security Deposit (SD) money.

Executive Engineer (Elect.) (I/C)  
AIIMS Bhubaneswar

**Appendix `A`**

**FORM FOR FINANCIAL INFORMATION**

(Financial Analyses)

Details to be furnished duly supported by figures in Balance Sheet/Profit & Loss Account duly Certified by the Chartered Account, as submitted by the applicant to the Income Tax Department (copies to be attached).

| Ser. No. | Description | 2017-18 | 2018-19 | 2019-20 |
|----------|-------------|---------|---------|---------|
|          |             |         |         |         |

**Note:** Gross Annual Turn Over only.

**Appendix `B`**

**FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS**

**COMPLETED DURING THE LAST 07 (SEVEN) YEAR**

(i.e. FOR THE YEAR ENDING MAR 2020)

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

(Authorized Signature of the Bidder with Seal)

**FORM FOR DETAILED INFORMATION BY BIDDER**

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

(Authorized Signature of the Bidder with Seal)

**All India Institute of Medical Sciences**  
**Engineering Branch, Bhubaneswar (Odisha)-751019**  
[www.aiimsbhubaneswar.edu.in](http://www.aiimsbhubaneswar.edu.in)  
**BIDDERS UNDERTAKING**

E-Tender for the work of: Tender for “Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.”

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. :   /  /   by        Hours.
- (b) Time and date of opening of Online Financial Bids. : To be intimated later.

**T E N D E R**

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

A sum of **Rs. -----/-** (Rupees -----only) is here by forwarded in Bank Guarantee of scheduled Bank/ Demand Draft of a scheduled Bank/ Bank Guarantee issued by a scheduled Bank **as Earnest Money**. If I/ We, fail to furnish the prescribed Performance Guarantee within prescribed period. I/ We agree that the said Director, AIIMS, Bhubaneswar or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/ We fail to commence work as specified, I/ We agree that Director, AIIMS, Bhubaneswar or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to 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 the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/ We shall be debarred for participation in the retendering process of the work.

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

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

Dated: \* \_\_\_\_\_

Signature of Contractor  
With full Postal Address

Witness: \*

Address: \*

(\* To be filled in by the Contractor.)

Occupation: \*

## **A. GENERAL CONDITIONS OF CONTRACT**

- 1 Name of the work: “ **Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar.**”
2. Prices quoted should be valid for the contract period from the date of opening of your offer. The prices quoted should be for the entire scope of work.

3. **Rates-** The prices quoted shall be inclusive of GST, PF/ESI. PF & ESI amount paid to the statutory authorities by the contractor shall be reimbursed on actual basis throughout the contract period on submission of the documentary evidence in next bill or after the final bill. GST shall be reimbursed on actual basis on submission of the documentary evidence.

4. **PF & ESIC Contribution:-**

(i) The contractor shall have to register with PF & ESIC (where ever applicable) for workmen engaged for the work & challans / deposit receipts of PF ESI contribution shall be submitted in EIC office for verification/reimbursement, at the time of submission of bill.

(ii) The PF dues (including EDLI and administrative charges) in respect of workers engaged by the contractor for AIIMS works to be deposited by the contractor every month by a challan and the documentary evidence in support of such payments along-with employee wise details of the PF contribution (both employee's share and the employer's contribution) need to be submitted to the Engineer in Charge for the work/ contract.

5. **Terms of Payment:-**

### **5.1 Running bill Payment:**

The Running payments for the work done shall be released monthly by AIIMS, Bhubaneswar only after salary payments to all workers & submitting the proof of disbursement and deducting the applicable taxes. The Security Deposit @5% of gross amount shall be deducted from the running bills, which shall be released after successful completion of Defects Liability Period i.e. six months from the date of completion of work, without any interest thereupon.

The Following documents as applicable shall be produced and self attested photo copy shall be submitted by the contractor during each running bills:

- (i) Delivery Challan/ Copy of invoice of all the material supplied.
- (ii) Test Certificate as per OEM to confirm that the materials meet the contract specification and relevant standard in all respects.
- (iii) Monthly Challans of EPF and ESI deposits up to previous month.
- (iv) Master Roll & Wages register signed by workers of each month.
- (v) Log Books & attendance register.
- (vi) Bank Account details/ e-payment details of the vendor.
- (vii) Warranty/Guarantee Certificate.
- (viii) Colour Photos for Executed work on glossary paper.
- (ix) Copies of Preventive maintenance work.
- (x) Copies of pump and fountain operation schedule.
- (xi) GST return up to date Voucher.
- (xii) Bank statements against salary credit of Manpower deployed.

### **5.2 Final bill Payment:**

The agency shall submit final bill along with all the documents related with PF, ESIC to AIIMS, Bhubaneswar in addition to all maintenance schedule registers, documents etc. related to the work.

The agency also formally handover the list of equipments in good working condition, without any damage as handed over to them by AIIMS, Bhubaneswar.

### **5.3 Labour Wages:**

(i) The contractor has to pay the prevailing minimum wages issued by the office of Regional Labour Commissioner/ Chief Labour Commissioner (whichever is higher), from time to time.

(ii) The payment to the workmen's engaged by the contractor is to be paid through NEFT/RTGS/Cheque on or before 7th of every month irrespective of Saturday, Sunday and bank holidays. If any violation with respect to payment of wages for any two months in a contract period necessary action for cancellation of contract, debarring of the agency for participating in future contracts in AIIMS, Bhubaneswar shall be initiated. The agency will not be allowed to participate in any of the tendering process in AIIMS, Bhubaneswar till finalization of the decision. (If nonpayment of wages for two consecutive months is repeated two times in a tender period the tender will be terminated without further notice).

## **6. Transport**

6.1 The transport required within the complex for carrying items inside the AIIMS complex for repairing work etc. shall be arranged by the contractor. The contractor may however seek the help of department to take permission to take heavy items for repair outside the AIIMS, Bhubaneswar complex if considered necessary.

6.2 Contractor's materials, transport, etc. shall normally be permitted to go out of the area between 9.00hrs.to 18.00hrs only. Contractor may also be allowed to carry out the work beyond office hours (day and night) with special permission from the Director AIIMS, Bhubaneswar. However, no movement of materials and transport out of site works shall be permitted during night or during holidays unless special permission obtained from the Director, AIIMS, Bhubaneswar.

## **7. Antecedents**

The contractor shall employ only Indian Nationals as his representatives, servants, work men and verify their antecedents and loyalty before employing them on the works. He shall ensure that no person of notorious antecedents and nationality is in anyway associated with the works and if for reasons of technical collaboration or other consideration, the employment of any foreign national is unavoidable, the contractor shall furnish full particulars to this effect to the accepting officer at the time of submission of tender. The Director, AIIMS, Bhubaneswar shall have full powers and without giving any reasons to the contractor immediately cease to employ in connection with this contract, any representative agency, servant and workman or employee whose continuous employment in his opinion is undesirable. The contractor shall not be allowed any compensation on this account.

8. The term of agreement shall be initially for a period of one year. On expiry of the term, the contract may be extended for one year on mutual consultation by both the parties on the same terms and conditions mutually agreed to.

9. The waste paper shall not be transported outside the AIIMS, Bhubaneswar site but burnt out in the incinerators, provided within the premises.

10. The contractor shall maintain the installations clean and tidy inside as well as around the installations and buildings. No rags and waste etc. shall be thrown near the building. This shall be deposited in the dustbins provided nearby. If Pump House and other areas mention in the scope is found untidy a lump sum amount (Rs. 1000/- per day) will be deducted from the contractor's bill. The amount quoted by the contractor must include the cost of man power for such purpose.

## **11. Security Pass**

Immediately after acceptance of the contract, the contractor shall submit the list showing the names of the individuals, he wishes to employ in the work, with their particulars to the department for getting

the police verification and arranging the temporary pass for them up to security gate only and subsequently to inside the technical area, the contractor shall provide security pass to the operator/helpers.

12. The scope of the work of this contract shall be as per **ANNEXURE-III**.

13. The contractor shall demand the stores in writing to the department for arranging such items for issue and also keep record/account of all materials drawn from the Director, AIIMS, Bhubaneswar and produce for verification as and when demanded. Unserviceable items shall be returned to the AIIMS, Bhubaneswar.

**14. Tools and Tackles:**

The contractor shall provide all the tools and tackles for the works including measuring instruments and safety gadgets for attending breakdown of equipments. Cost of transportation of labour and material to AIIMS, Bhubaneswar premises shall have to be borne by the contractor.

i) Each Skilled manpower will be provided with the following minimum tools of reputed brand (Make: Tapania or equivalent) along with carrying bag for routine maintenance works:-

- Cutting Pliers
- Screw Drivers (Big & small)
- Wire strippers
- Line Testers
- Etc. as required as per site condition.

(ii) The following tools shall be provided by the agency at Hospital Pump House for use of maintenance and breakdown works:-

- Box Spanner Set complete with socket accessories, ratchet, etc.
- Double end spanner set (Set of 12)
- Ring Spanner set (Set of 12)
- Screw Spanners of different sizes.
- Hammers of different sizes
- Screw Driver Set of different sizes
- Crimping tools (different sizes) as per site requirement
- Nose Pliers
- Punch/ Chisel
- Electric drilling machine
- Blower
- Multi-meter (VAO Meter)
- Megger (500 V & 1000 V)
- Raincoat
- Safety Gloves
- Rechargeable torch light
- Safety Helmet

**Uniform:** -The contractor/agency has to provide every year during the start of the contract, 02 sets of uniform (readymade uniform / cloth and stitching charges), 1 pair of safety shoe to his staff of approved colour during the contract period, (within one month from the date of award) failing which, AIIMS, Bhubaneswar shall recover an amount of Rs 200/- per person per week till the compliance of the same from the contractor's running/final bill.

**15. Penalty Clause:**

**15.1** If Checklist, log sheets, service report and instruction to the AIIMS, BBSR do not show proper compliance of work to be done by the contractor as per schedule; AIIMS will make suitable deduction from the contractor bill. If the contractor fails to maintain the operation and maintenance of services as per contract, in such event AIIMS will deduct actual cost incurred on this work.

**15.2** In case of short deployment as given in the contract AIIMS will make suitable proportionate deduction from the bill on the basis of minimum wages as claimed for respective category of technical manpower as applicable.

**15.3** For noncompliance or partial compliance of satisfactory execution of items, the Engineer-In-Charge has right levy compensation with the scale of non-conformity and period for which this non-conformity continues as per GCC CPWD-2014. However, the total amount of this compensation for the whole contract shall not exceed 10% of the tender value. This shall be without prejudice to other remedies available to Engineer-In-Charge under this contract to take action against the contractor.

**15.4** All melba/rubbish/waste, garbage etc generated due to any operation and maintenance work, the same shall be disposed off by the contractor to the authorized municipal dumping ground and nothing extra shall paid on this account. In case of non-removal/disposal in the specified period, a compensation of ₹ 1000/-(Rupee One Thousand only) per day shall be recovered from the contractor.

**16. Maintenance of records:**

The contractor shall maintain all records such as log book, schedule of maintenance activity, complaint register, attendance register, test records for various tests conducted, material requisition book, gate pass and other statutory registers for manpower employed etc. such records are to be maintained as per the formats supplied by the department. Records of major breakdown occurred during the period shall be maintained showing the cause of the defect and location and type of repairs carried out. The cost of stationary required for maintenance of the above record are under the scope of Contractor.

**16.1 Following documents / records to be maintained at site**

1. Pump running Logbook
2. Complaint book
3. Water meter reading register
4. Spare parts/Material stock Register
5. Power failure / tripping record
6. Equipment history cards
7. Water meter calibration record and record of calibration of other equipments used for the contract.
8. Any other documents, records, which shall be required to be maintained to adhere to the AIIMS, Bhubaneswar systems etc.
9. Upkeep of present SLDs and schematic drawings of equipments based on the modifications.
10. Water testing reports from govt. lab payment for testing will be made by AIIMS, Bhubaneswar.
11. Water level records of various sumps & OHT.
12. Maintenance schedule.
13. Record of breakdown and preventive maintenance.
14. Test reports of earth pits and pump/motors.
15. List of tools and test equipments available at site.

17. The contractor shall employ the required number of personnel depending upon the requirement of AIIMS, Bhubaneswar on "as required basis" including technical and nontechnical personnel. The contractor shall, during the progress of the works, employ a whole time qualified, experienced and competent representative at the site for executing the work. **The contractor should submit the biodata, Educational certificates, Experience certificate, Electrical license, ID proof, Address proof, 2 nos of passport size photographs and any other necessary documents of all employees to be engaged for the work to the office of Engineer-In-Charge at the time of deploy.**
18. The work shall be governed by AIIMS, Bhubaneswar's general conditions and security regulations of the contract.
19. The number and names of the contractor's personnel along with two photographs to be engaged shall be indicated/submitted in advance to meet the security regulations, etc.
20. The tenderer should sign in each page of tender document all the terms and conditions of the contract as a mark of his acceptance of contract. The signed tender copy has to be submitted to AIIMS, Bhubaneswar.

21. The submission of tender by a tenderer implies that he has read this Notice and the conditions of contract and has made himself aware of the scope and specifications of the work to be done and of the conditions and rates at which stores, tools and plant etc. will be issued to him and local conditions and other factors bearing on the execution of the work.
22. No foreign exchange and import license for import of technical know-how or equipment, components, spares or materials will be arranged or provided by the AIIMS, Bhubaneswar. In case the offered equipment involves any foreign exchange, this shall be clearly indicated together with a statement as to how this is being arranged by the tenderer.
23. The tenderer shall indicate the source of supply, the detailed specifications, furnish test certificates, such as guarantee/warranty etc. for all brought out items.
24. The Director, AIIMS, Bhubaneswar or any one or more officers authorized by him shall have the right to visit Pump House, STP and Fountains to check the physical progress of work, inspection, testing etc. of the contract items or any part thereof at any time during all stages of operation & maintenance. The contractor shall extend all necessary facilities for carrying out such inspection and check of progress of work.
25. **Deviations:**
- Any exclusion, deviation from specification shall be clearly spelt out and listed at one place only and tenderer shall substantiate the same with appropriate reasons. In absence of the same, it will be considered that tenderer has followed the specification fully in words and spirit.
26. **Faults, Repairs and Replacement:**
- 26.1 In case faults occur of such nature causing delay and becoming detrimental to the maintenance of services or any spare part of equipment not available with BOQ or AIIMS, Bhubaneswar stock, contractor would be ordered in writing by Director, AIIMS, Bhubaneswar/his representative for procurement of the same from the market for rectification/completion of the job. The payment will be regularized in the following RA bills.
- 26.2 In case of faults/repairs/damages, the Contractor should immediately submit a detailed fault analysis report, the details of repair/rectification schedule with details of probable completion. A format has to be submitted by the tenderer for repair/rectification schedule along with the tender which will be approved by the Director, AIIMS, Bhubaneswar.
- 26.3 On completion of replacement of spares but before energization/ operation of the system, the replacement shall be physically checked and properly tested. These checks and tests shall be conducted by the tenderer under the supervision of AIIMS, Bhubaneswar and tenderer shall furnish the final status and test result. Any defect observed during such check and tests shall be made good by the tenderer free of cost within the Contract completion period.
27. **Specifications and Standards**
- The operation and maintenance shall be in conformity with relevant Indian standard specification. National Electrical codes including provisions of these specifications. In the event of any conflict between the provisions/clause for a particular item in the above-mentioned rules and specifications the most suited clause based on requirement shall be applicable.
28. Any work that the tenderer would normally off load to his sub-vendor or subcontractor with the permission of AIIMS, Bhubaneswar, it is to be noted that the Director, AIIMS, Bhubaneswar shall not have any obligations whatsoever towards the tenderer's sub-contractor/ sub-vendor. Only the tenderer is responsible to the Director, AIIMS, Bhubaneswar and AIIMS, Bhubaneswar does not accept any liability for the sub-contractor or his work men.
29. It must be understood that the number of people indicated here would in any way bind the tenderer for any contractual obligations or delay in schedule of work etc. This information would be used only

for tenderer evaluation and later on to assess tenderer's progress with regard to adequacy of manpower.

30. Any other information the tenderer feels necessary to understand should be mentioned in the quotation in complete.
31. It is the responsibility of the successful tenderer to hand over the entire system to the Director, AIIMS, Bhubaneswar on completion of the contract period in its initial working condition. Any damages/replacement etc. should be done at free of cost with the knowledge of the Director, AIIMS, Bhubaneswar. The final taking over will be done after detailed joint inspection by the Director, AIIMS, Bhubaneswar/ or his authorized representative and the contractor on completion of the contract period.
32. The contractor shall not be entitled to any additional payment during the tenure of the contract due to increase in cost of manpower and the rates should be quoted accordingly.
33. The lump sum price offered by the contractor shall include the charges for any minor job of maintenance which are obviously fairly intended and which may not have been referred to in these documents but are essential for this work. In case of difference of opinion as to whether or not a certain item of work constitutes minor details of maintenance or not included in contractors' prices, the decision of Director, AIIMS, Bhubaneswar shall be final and binding.
34. If the contractor has to go in for subcontracting, he has to take prior written approval from the Director, AIIMS, Bhubaneswar for the same. A copy of agreement held between the prime contractor and the subcontractor should be submitted at office of EIC, AIIMS Bhubaneswar. But the prime contractor is held responsible for all the works. The Director, AIIMS, Bhubaneswar will in no way have contacts with the sub-contractor so appointed by the prime contractor.
35. **Risk Purchases:**
- The cost of repairs/rectification's necessitated due to negligence of contractors' employee shall be recovered from the contractor as per assessment made by the Director, AIIMS, Bhubaneswar. If the contractor fails to repair/rectify the defects in installations within the time given to him, the same will be got repaired/ rectified from other agency at the risk and cost of the Contractor. The decision of Director, AIIMS, Bhubaneswar shall be final and binding on both the parties.
36. If the attendance falls short, of the contracted minimum number of persons, the pro-rata amount shall be deducted from his bill. Similarly, if the work is found unsatisfactory and not up to the expected standard, an amount which the Director, AIIMS, Bhubaneswar determines, shall be deducted from the Contractor's bill. The amount so deducted shall be final.
37. The Agency shall be solely responsible for compliance to the provisions of various Labour and industrial laws, such as, wages, allowances, compensations, EPF, Bonus. Gratuity, ESI etc. relating to personnel deployed by it at AIIMS, Bhubaneswar site or for any accident caused to them and the institute shall not be liable to bear any expense in this regard. The Agency shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by AIIMS, Bhubaneswar for whatever reason. The Agency shall also be responsible for the insurance of its personnel. The Agency shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications: -
- (a) The Payment of Wages Act 1936.
  - (b) The Employees Provident Fund & MP Act, 1952.
  - (c) The Contract Labour (Regulation) Act, 1970.
  - (d) The Payment of Bonus Act, 1965.
  - (e) The Payment of Gratuity Act, 1972.
  - (f) The Employees State Insurance Act, 1948.
  - (g) The Employment of Children Act, 1938.
  - (h) The Motor Vehicle Act, 1988.
  - (i) Minimum Wages Act, 1948.

38. **Breach of Terms and Conditions.** Noncompliance of any terms and conditions enumerated in the contract shall be treated as breach of contract. Or in Case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by AIIMS, Bhubaneswar in that event the EMD shall also stands forfeited.
39. **Termination of Contract.** AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the tenderer or his staff and the agreement may be terminated. The decision of AIIMS, Bhubaneswar's management in this regard would be final and binding on the tenderer. In such an event, AIIMS, Bhubaneswar shall have the right to engage any other tenderer to carry out the task.
40. **Arbitration.** The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on the both parties.
41. **Dispute Settlement.** It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then same shall be referred to the sole Arbitrator appointed by the Director, AIIMS, BHUBANESWAR whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.
42. The Lowest Bidder will be decided as per the Commutation Rates quoted by the Bidder for individual item.
43. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.
44. In Case the agency is not able to attend/ rectify fault in the system within the stipulated time period, AIIMS, Bhubaneswar reserves the rights to engage outside agency to check/ inspect the faulty system. If the system is rectified by the outside agency or third party, the amount of checking, rectification along with suitable penalty towards delay in attending breakdown shall be recovered from the agency, who otherwise is responsible for the up keeping of these equipments.
45. The Hospital agrees to pay the contractor the following amount per Annual Operation and Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex.  
A) Minimum wages per person per month.  
B) ESI.  
C) EPF.
- The amount mentioned A to C in each category may increase or decrease depending upon the Minimum Wages prescribed under the statute and the same shall be reimbursed to the contractor. The contractor shall disburse wages to annual operation and Maintenance Contract of Pump houses and Fountains at Hospital and housing complex workers by 7<sup>th</sup> day of each month through Electronic Transfer (ECS). In case due to any circumstances beyond control of contractor, payment shall be made by bearer cheques for the period up to maximum of three months, in any circumstances, cash payment of wages is not acceptable.

The contractor shall not pay the wages less than what is legally admissible to be paid to the Annual Operation and Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex employed by the contractor as per rate as admissible under the law. Any violation in this regard will result into the forfeiture of the performance security in addition to severance of this contract.

The contractor will not charge any money to seek any gratitude or favour in any form from the Annual Operation and Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex

personnel before or after the deployment. An undertaking in this regard will be attached with the biodata of the Annual Operation and Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex manpower which will be signed by the contractor as well as by the personnel deployed. Any violation of this clause lead to termination of the contract and penal action as appropriate. The contractor will submit the document along with the bill such as proof of deposit of ESI, EPF, Service Tax/GST, Proof of payment of salary through ECS.

**Annexure-I**

**B. SPECIAL CONDITIONS OF CONTRACT**

1. Minor Pipe Leakage/breakdown to be carried out by the contractor without asking of extra cost.
2. Minor welding/plumbing work as and when required to be carried out by the contractor.
3. Manpower required for operation and maintenance work may be engaged/recruited with the direction of Engineering In charge/ A.E (Electrical) of AIIMS.
4. If anybody found missing from the site/duty place without prior information of JE/AE of AIIMS, Bhubaneswar, then one day wage will be deducted from the bill and also that person may be terminated with immediate effect and his replacement should be given by the vendor with the direction of Engineer-In-Charge.
5. I.R value of motors and other electrical equipments should be tested and recorded periodically.
6. Earth resistance value should be measured and recorded periodically.
7. Power shut down to be taken by the firm for maintenance work at pump house by the prior permission of JE/AE/AIIMS.
8. Regular Pipe line, Valve and Tanks are required to be checked regularly to arrest the water leakage.
9. All tools/tackles and testing Instruments to be provided by the firm.
10. All electrical works involved in Pump house to be done as per I.E rule 1956.
11. (a) For minor Repairing/Replacement of spare of motor-pump set to be done within 24 hours.  
(b) Overhauling/ rewinding of motor to be done within 72 hours.
12. All rewinding/repair work is carried on by the Kirloskar Authorized dealer workshop at Bhubaneswar.
13. Quarterly maintenance servicing of all pumps are to be carried out by Kirloskar Authorized Service agencies only and the certificate for the same should be furnished to Executive Engineer (Electrical), AIIMS, BBSR.
14. After repairing/ rewinding/ replacement of spare, the bill to be submitted at engineering office.
15. **Warranty/Guarantee: The warranty/Guaranty certificate shall be provided as per manufacture standard norms.**
16. Substitute motor/pump has to be provided and temporarily installed for maintaining un-interrupted water supply during break down of existing motor/pump till rectification.
17. Firm to provide all retro-fit spare as per the existing specification against the replacing faulty spare during the execution of work at different Pump-House.

18. All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job.
19. The tender shall be based on Conditions of Contract and tenderers are required to quote their own rates against each item in schedule of quantities (B.O.Q), which is enclosed. All rates shall remain firm for the contract period/extended contract period.
20. **All the non-comprehensive and consumable items are borne by the contractor (Refer Annexure-II).**
21. **Contractor shall provide a dedicated telephone/ mobile at site for logging complaints 24x7 basis.**
22. **The deployed man power shall be engaged for other electrical maintenance work at AIIMS premises as and when required as per the direction of engineering in charge or his representative.**

**Annexure-II**

**C. NON-COMPREHENSIVE & CONSUMABLE ITEMS**

1. Rewireable fuse wire, fuse holder fuse base.
2. Grease and Lubricating Oil, M-Seal required for lubrication of the various mechanical parts of the equipments.
3. Lugs/ Thimbles, brass compression gland as per requirements.
4. GI pipes and Nipples of various sizes as per site requirements.
5. Waste clothes/Mutton clothes to be provided for cleaning purposes.
6. CRC required for cleaning of Electrical accessories in panel.
7. PVC tape and water seal as per site requirement.
8. Colour Paint as per site requirement.
9. Gland packing 8mm, 12mm, 13mm.
10. Nut/Bolt as per site requirement.
11. Flange packing as per site requirement.
12. Thread seal as per site requirement.
13. Housekeeping accessories for pump house and fountain.

## **TECHNICAL SPECIFICATIONS AND SCOPE OF WORK**

**DETAIL SCOPE OF WORK FOR ANNUAL OPERATION AND MAINTENANCE OF PUMP HOUSES, FOUNTAINS AND ONLY MAINTENANCE/ REPAIRING OF ELECTRICAL PANELS AND MOTORS OPERATIONAL AT SEWAGE TREATMENT PLANT (STP) FOR 1 YEAR ON THREE SHIFT BASIS AT HOSPITAL AND HOUSING COMPLEX, AIIMS, BHUBANESWAR.**

### **1. LIST OF EQUIPMENTS / ITEMS FOR AMC**

#### **1.1 STORAGE TANKS CAPACITY DETAILS:**

##### **Pump House:**

1. Hospital Main Sump Capacity - 13, 50,000 LTR.
2. Housing Main Sump Capacity - 5, 00,000 LTR.
3. Overhead tank (Both Hostels and Staff Quarter Buildings) - 4, 54,000 LTR

##### **Fountain:**

1. Small fountain- 8 Nos.
2. Large Fountain- 1 Nos.

#### **1.2 PIPE LINE DETAILS:**

1. Internal distribution lines – MS & GI pipe line 12mm to 300mm.
2. Internal pipes inside pump house – GI pipe line 50mm to 200mm

#### **1.3 MOTOR PUMP SETS DETAILS:**

**Pump House:** 2HP- 6 Nos, 5HP-4 Nos, 7.5HP- 2Nos, 15HP- 2 Nos, 20hp- 6Nos, 30HP- 2Nos.

**STP & IRRIGATION:** 1HP – 8Nos, 2HP – 6Nos, 3HP- 18Nos, 5HP-6 Nos, 7.5hp-8 Nos, 12.5hp-2 Nos, 15hp- 3 Nos, 20hp- 2Nos, 25hp-2 Nos.

**Fountain:** 1.5HP- 7 Nos, 3HP-8 Nos, 5HP- 7Nos.

### **2 DETAILED SCOPE OF WORK:**

#### **Hospital/ Housing Pump Houses (Operation & Maintenance)**

- 2.1 All Pump House and fountain items should maintain as per their respective O.E.M. Maintenance schedules.
- 2.2 Normal preventive maintenance once in a month for pumps, motors, electrical panels and valves.
- 2.3 Immediate rectification of emergency breakdown occurs anywhere in the system.
- 2.4 Preventive maintenance of drinking water supply and medical water system with the Overhead tanks, sintex tanks and associated pipe line networks. The work includes arresting of leakage / removal of blockage in the pipeline and connections on to the sintex tanks and at the valves and fittings and keep uninterrupted supply of water to all buildings. Necessary soil excavation, refilling, making good the disturbed surfaces and minor materials like thread sealing compound, pipe fittings like tees, elbows, reducers, union couplings for all the involved sizes (25mm to 200mm), welding and pipe line accessories are at extra cost with approval of AIIMS.
- 2.5 The Contractor will supply all the spares, accessories, log books, consumable items, labour for soil excavation & welding.

- 2.6 Leakages rectification in GI pipe line network should be rectified with thread sealing with compound, fitting of any GI spares and accessories.
- 2.7 The minimum maintenance schedule of above equipments are given below. However, the detailed 12 months maintenance schedule for each equipment will be submitted by the contractor to AIIMS and get it approved by AIIMS and also adhere to same i.e. should be enclosed along with the first RA bill.
- 2.8 Fault finding – A report should be submitted for breakdown, reasons for the fault and fault analysis report for the equipments mentioned in the scope of work.
- 2.9 Coordinating OEM'S service activity and ensuring quality of the servicing of the equipment.
- 2.10 Coordinating with LT substation (electrical) for smooth function of electrical supply system.
- 2.11 Valves: - Operation & maintenance of all valves such as NRV'S, gate valves, ball valves, foot valves, nozzles etc and its emergency breakdown maintenance.
- 2.12 Most of the motors are located in pump house of housing and hospital complex to cater water supply to various buildings.
- 2.13 Rectification of MS underground pipe line network leakages (soil excavation filling and welding under scope of contractor):- Remaking of protective tape, coating with bituminous material and MS clamping.
- 2.14 Cleaning of valve pits & man holes and painting (enamel) of rims & covers and also applying of grease for easy opening & closing of valve pits / manholes.
- 2.15 Housekeeping: - Removing & cutting of bushes & grass and trees in and around 3mt wide working areas mentioned in tender document and also cleaning of surfaces at pump house, sumps, OHT and etc if required painting surface areas with enamel paint.
- 2.16 By deputing manpower the contractor has to ensure smooth operating of pump house and ensure the delivery of water to end users. Minor repair and rectification works are in the deployed manpower scope.
- 2.17 The work, which will be done at extra cost (both labour & materials), will be decided by AIIMS, Bhubaneswar. The extra works should be carried out and coordinated with written approval from AIIMS)
- 2.18 SOCPE OF WORK INVOLVED IN OVERHAUL / MAINTENANCE FOR PUMPS AND MOTORS**
  - a) Alignment of pump set will be checked & in case in required rectification should be carried out. & readings should be recorded.
  - b) Coupling bushes, pins, rubber parts will be checked & should be replaced if required.
  - c) Gland packing should be checked & should be replaced if it is worn – out.
  - d) Oil levels, & grease in bearing will be checked & replenished if necessary.
  - e) Current, Voltage, speed, pressure, should be measured & recorded.
  - f) Discharge should be determined based on performance curve of the pump.
  - g) Noise, vibration & Temperature levels should be checked. (For concurrence)
  - h) Minutes of meeting will be made after every check.
  - i) Overhaul should be done as per the E-I-C's recommendations as per operating manual.
  - j) Dismantling of pumps should be done only with approval from AIIMS, Bhubaneswar.
  - k) Total tool, tackles, chain pulley, try pad lifting materials, assisting manpower and complete job is under the contractor's scope.

l) Spares parts required will be under Contractor's scope.

## **2.19 Daily Schedule**

- a) Total water system operation on day to day maintenance.
- b) Daily drinking water supplied to all buildings of AIIMS, Bhubaneswar – Campus from time to time.
- c) Deployment of qualified, competent man power as per the list mentioned to ensure smooth operation and day to day water supply.
- d) Daily water filling in: (Housing and Hospital Complex)**
  - i. Drinking OH tank.
  - ii. Cooling OH tank.
  - iii. Drinking & cooling sumps.
- e) Daily supply line checking inside AIIMS – Campus from time to time.
- f) Arresting water leakages in total AIIMS, Bhubaneswar complex.
- g) Log books and complaint register to be maintained at pump house and register all the complaints in writing and allot complaint number and ensure its completion as early as possible and should submit along with monthly RA bill.
- h) The work involved is, distribution of water from source to the individual tanks and from tanks to individual taps inside the building. Day to day maintenance is to be carried out to ensure continuous water supply.

## **2.20 Weekly Schedule**

- a) Pump set operation at pump house and at two sumps, along with foot valves, NRVS, coupling, bearings, rubber bushes, starters (DOL & star delta), glands, lugs and cables to ensure smooth and trouble-free working and to pump the water to designated place as designed.
- b) Carry out preventive maintenance as per the check list/ Equipment manuals.
- c) Prepare list of spares and material required for carrying maintenance work and submit it to AIIMS, Bhubaneswar Engineer- in- charge in advance for better material management.
- d) Maintain inventory of spares, accessories and consumables.
- e) Survey of various buildings overhead tanks for any leakages or damages.
- f) Checking for smooth operation of all pumps sets if found abnormal same should be taken up for rectification.

## **2.21 Monthly Schedule**

- a) MS/CI/GI pipe line and overhead tank for industrial cooling water inside AIIMS, Bhubaneswar campus with valve pits in the cold-water line (forward line), transient storage points in the hot water return line (back flow) to ensure the free flow of water through these passages. Works include cleaning the inside of valves pits and cleaning of valve outer to ensure the smooth, operation of valves and arresting any leakage due to loose fittings, cleaning of transient storage points of dirt, silt any other material which can obstruct the free flow of water.
- b) Checking of MCC/Panel switch gears/Equipments at specified points and takes corrective actions in case of abnormality.
- c) Monthly performance review report comprising – Records of Preventive Maintenance done on rotary and static equipments, breakdowns occurred and subsequent root cause analysis, corrective and

preventive measures, safety initiatives and report. Repair and maintenance expenses incurred. Analysis and action plan for next month.

d) Taking up preventive maintenance of equipments as per E-I-C's recommendation of AIIMS, Bhubaneswar and as per approved maintenance schedule.

## **2.22 Quarterly, Half Yearly and Yearly Schedule**

a) Electrical: Periodical cleaning, maintenance and checking of LT Panel Boards, Sub – Panel DBS, Switch Boards, Light fitting, Fans.

b) Preventive maintenance of equipments of Pump Houses are to be carried out as per approved schedule. All the maintenance service sheets are to be submitted.

c) Quarterly maintenance servicing of all pumps are to be carried out by Kirloskar Authorized Service agencies only.

d) Implementation of Zero Accident Plant at site. Safety Trainings for employees, documentation and periodic safety audits as per requirements of OHSAS 18001.

e) Earth resistance should be measured for earth pits of pump house and watering the earth pits and submit report for the same.

f) Submit half yearly & annual report to AIIMS management inclusive of Reduction in breakdowns, Actions for ZERO BREAKDOWNS, Major overhauls, Consumption of spares, Manpower turnover & suggestions, if any.

g) To carry out all such jobs to ensure proper health of installation and to ensure uninterrupted water supply as per AIIMS requirements.

h) Periodical checking and cleaning of all pumps, motors and control panels.

## **2.23 Fountains: (Operation & Maintenance)**

a) Daily operating of all the fountains within specified time as per instructions of EIC.

b) Cleaning and water filling of all fountains.

c) Checking the blockage of pump and nozzle including maintenance of electrical panel for all fountains.

d) Arresting the minor leakage of water in the pond.

## **2.24 STP (Hospital & Housing) and Irrigation pumps (Electrical Maintenance only)**

a) Electrical maintenance and rewinding of motors and other works as instructed by EIC.

**Executive Engineer (I/C)  
AIIMS, Bhubaneswar**

| Approved Make |                                                                           |           |
|---------------|---------------------------------------------------------------------------|-----------|
| Sl No         | Description of Items                                                      | Make      |
| 1             | Supply and fitting of 2 HP motor<br>NON CLOG SUBMERSIBLE                  | Kirloskar |
| 2             | Supply and fitting of 3 HP motor<br>NON CLOG SUBMERSIBLE, MS-231S/P       | Kirloskar |
| 3             | Rewinding of 1 HP Motor<br>CENTRIFUGAL MONO BLOCK, SP-0M                  | Kirloskar |
| 4             | Rewinding of 2 HP Motor<br>NON CLOG SUBMERSIBLE                           | Kirloskar |
| 5             | Rewinding of 3 HP Motor<br>NON CLOG SUBMERSIBLE for drain pump, MS-231S/P | Kirloskar |
| 6             | Rewinding of 5 HP Motor<br>Centrifugal Pump, KDS-538+                     | Kirloskar |
| 7             | Rewinding of 5 HP Motor<br>Centrifugal Pump, KDT-568+                     | Kirloskar |
| 8             | Rewinding of 7.5 HP Motor<br>Centrifugal Pump, KDS-830+                   | Kirloskar |
| 9             | Rewinding of 15 HP Motor<br>MONO SET PUMP, KDS 1537+                      | Kirloskar |
| 10            | Rewinding of 20 HP Motor<br>Centrifugal pump, KDT-2070+                   | Kirloskar |
| 11            | Rewinding of 30 HP Motor<br>Centrifugal Pump, KDS-3068+                   | Kirloskar |
| 12            | Rewinding of 1.5 HP Motor<br>Open well mono submersible pump for fountain | Kirloskar |
| 13            | Rewinding of 3 HP Motor<br>Open well mono submersible pump for fountain   | Kirloskar |
| 14            | Rewinding of 5 HP Motor<br>Open well mono submersible pump for fountain   | Kirloskar |
| 15            | Bearing of 1 HP to 4 HP Motor                                             | Kirloskar |
| 16            | Bearing for 5 HP motor                                                    | Kirloskar |
| 17            | Bearing for 7.5 HP motor                                                  | Kirloskar |
| 18            | Bearing for 15 HP motor                                                   | Kirloskar |
| 19            | Bearing for 20 HP motor                                                   | Kirloskar |
| 20            | Bearing for 30 HP motor                                                   | Kirloskar |
| 21            | Bush for 1 HP to 4 HP motor                                               | Kirloskar |
| 22            | Bush for 5 HP motor                                                       | Kirloskar |
| 23            | Bush for 7.5 HP motor                                                     | Kirloskar |
| 24            | Bush for 15 HP motor                                                      | Kirloskar |
| 25            | Bush for 20 HP motor                                                      | Kirloskar |
| 26            | Bush for 30 HP motor                                                      | Kirloskar |
| 27            | Coupling Bush for 1 HP to 4 HP motor                                      | Kirloskar |
| 28            | Coupling Bush for 5 HP motor                                              | Kirloskar |
| 29            | Coupling Bush for 7.5HP motor                                             | Kirloskar |

|                                     |                                             |                   |
|-------------------------------------|---------------------------------------------|-------------------|
| 30                                  | Coupling Bush for 15 HP motor               | Kirloskar         |
| 31                                  | Coupling Bush for 20 HP motor               | Kirloskar         |
| 32                                  | Coupling Bush for 30 HP motor               | Kirloskar         |
| 33                                  | Motor studs for 1 HP to 4 HP                | Kirloskar         |
| 34                                  | Motor studs for 5 HP                        | Kirloskar         |
| 35                                  | Motor studs for 7.5 HP                      | Kirloskar         |
| 36                                  | Motor studs for 15 HP                       | Kirloskar         |
| 37                                  | Motor studs for 20 HP                       | Kirloskar         |
| 38                                  | Motor studs for 30 HP                       | Kirloskar         |
| 39                                  | GM Impeller for 1 HP to 4 HP motor          | Kirloskar         |
| 40                                  | GM Impeller for 5 HP motor                  | Kirloskar         |
| 41                                  | GM Impeller for 7.5 HP motor                | Kirloskar         |
| 42                                  | GM Impeller for 15 HP motor                 | Kirloskar         |
| 43                                  | GM Impeller for 20 HP motor                 | Kirloskar         |
| 44                                  | GM Impeller for 30 HP motor                 | Kirloskar         |
| 45                                  | Cast Iron Impeller for 1 HP to 4 HP motor   | Kirloskar         |
| 46                                  | Cast Iron Impeller for 5 HP motor           | Kirloskar         |
| 47                                  | Cast Iron Impeller for 7.5 HP motor         | Kirloskar         |
| 48                                  | Cast Iron Impeller for 15 HP motor          | Kirloskar         |
| 49                                  | Cast Iron Impeller for 20 HP motor          | Kirloskar         |
| 50                                  | Cast Iron Impeller for 30 HP motor          | Kirloskar         |
| 51                                  | Gasket for 1 HP to 4 HP motor               | Kirloskar         |
| 52                                  | Gasket for 5 HP motor                       | Kirloskar         |
| 53                                  | Gasket for 7.5 HP motor                     | Kirloskar         |
| 54                                  | Gasket for 15 HP motor                      | Kirloskar         |
| 55                                  | Gasket for 20 HP motor                      | Kirloskar         |
| 56                                  | Gasket for 30 HP motor                      | Kirloskar         |
| 57                                  | Water Seal for 1 HP to 4 HP motor           | Kirloskar         |
| 58                                  | Water Seal for 5 HP motor                   | Kirloskar         |
| 59                                  | Water Seal for 7.5 HP motor                 | Kirloskar         |
| 60                                  | Water Seal for 15 HP motor                  | Kirloskar         |
| 61                                  | Water Seal for 20 HP motor                  | Kirloskar         |
| 62                                  | Water Seal for 30 HP motor                  | Kirloskar         |
| 63                                  | Coupling for 1HP to 4 HP motor              | Kirloskar         |
| 64                                  | Coupling for 5 HP motor                     | Kirloskar         |
| 65                                  | Coupling for 7.5 HP motor                   | Kirloskar         |
| 66                                  | Coupling for 15 HP motor                    | Kirloskar         |
| 67                                  | Coupling for 20 HP motor                    | Kirloskar         |
| 68                                  | Coupling for 30 HP motor                    | Kirloskar         |
| <b>VALVES AND OTHER ACCESSORIES</b> |                                             |                   |
| 1                                   | 200 mm Butter Fly Valve (CI)<br>WHEEL TYPE  | SANT or Kirloskar |
| 2                                   | 150 mm Butter Fly Valve (CI)<br>HANDLE TYPE | SANT or Kirloskar |
| 3                                   | 125 mm Butter Fly Valve (CI)<br>HANDLE TYPE | SANT or Kirloskar |
| 4                                   | 100 mm Butter Fly Valve (CI)<br>HANDLE TYPE | SANT or Kirloskar |

|    |                                            |                      |
|----|--------------------------------------------|----------------------|
| 5  | 65 mm Butter Fly Valve (CI)<br>HANDLE TYPE | SANT or Kirloskar    |
| 6  | 50 mm Butter Fly Valve (CI)<br>HANDLE TYPE | SANT or Kirloskar    |
| 7  | 40 mm Butter Fly Valve (CI)<br>HANDLE TYPE | SANT or Kirloskar    |
| 8  | 150 mm Non-Return Valve<br>DUAL PLATE      | ADVANCE or Kirloskar |
| 9  | 125 mm Non-Return Valve<br>DUAL PLATE      | ADVANCE or Kirloskar |
| 10 | 100 mm Non-Return Valve<br>DUAL PLATE      | ADVANCE or Kirloskar |
| 11 | 65 mm Non-Return Valve<br>DUAL PLATE       | ADVANCE or Kirloskar |
| 12 | 50 mm Non-Return Valve<br>DUAL PLATE       | ADVANCE or Kirloskar |
| 13 | 100 mm Brass Ball Valve<br>WHEEL TYPE      | ZOLOTE or Equivalent |
| 14 | 40 mm Brass full way Valve<br>WHEEL TYPE   | ZOLOTE or Equivalent |
| 15 | 80 mm Brass Full Way Valve<br>WHEEL TYPE   | SANT or Kirloskar    |
| 16 | 65 mm Brass Full Way Valve<br>WHEEL TYPE   | SANT or Kirloskar    |
| 17 | 50 mm Brass Full Way Valve<br>WHEEL TYPE   | SANT or Kirloskar    |
| 18 | 25mm brass full way valve<br>WHEEL TYPE    | SANT or Kirloskar    |
| 19 | 32mm brass full way valve<br>WHEEL TYPE    | SANT or Kirloskar    |
| 20 | 150mm air valve                            | SANT or Kirloskar    |
| 21 | 200mm sluice valve                         | SANT or Kirloskar    |
| 22 | 150mm sluice valve                         | SANT or Kirloskar    |
| 23 | 100mm sluice valve                         | SANT or Kirloskar    |
| 24 | 200 mm Cast Iron Y-STRAINER                | ZOLOTE or Equivalent |
| 25 | 150 mm Cast Iron Y-STRAINER                | ZOLOTE or Equivalent |
| 26 | 125 mm Cast Iron Y-STRAINER                | ZOLOTE or Equivalent |
| 27 | 100 mm Cast Iron Y-STRAINER                | ZOLOTE or Equivalent |
| 28 | 65 mm Cast Iron Y-STRAINER                 | ZOLOTE or Equivalent |

|    |                                                          |                          |
|----|----------------------------------------------------------|--------------------------|
| 29 | 50 mm brass Y- STRAINER                                  | ZOLOTE or Equivalent     |
|    | <b>Electrical Accessories Details</b>                    |                          |
| 1  | MCCB (DU-250C, 250A-4P)<br>250Amp-415V-4P-36KA           | L&T or ANY APPROVED MAKE |
| 2  | MCCB (DU100D)<br>63A-415V-3P                             | L&T or ANY APPROVED MAKE |
| 3  | MCCB (DU125D)<br>125A-4P-36KA                            | L&T or ANY APPROVED MAKE |
| 4  | MCCB (DN0100C)<br>50A-415V-3P                            | L&T or ANY APPROVED MAKE |
| 5  | MCCB (DN0100C)<br>100A-3P                                | L&T or ANY APPROVED MAKE |
| 6  | MCCB (DN0100C)<br>63A-3P                                 | L&T or ANY APPROVED MAKE |
| 7  | MCCB (DU-100D)<br>100A-3P                                | L&T or ANY APPROVED MAKE |
| 8  | Single Pole MCB (6A-10A)                                 | SIEMENS/L&T/Schneider    |
| 9  | MCB (C-16-415V-3P)                                       | SIEMENS/L&T/Schneider    |
| 10 | MCB (C-32-415V-3P)                                       | SIEMENS/L&T/Schneider    |
| 11 | Contactor (MNX-40)<br>40A-3P-600V                        | L&T or ANY APPROVED MAKE |
| 12 | Contactor (MNX-50)<br>50A-3P-600V                        | L&T or ANY APPROVED MAKE |
| 13 | Contactor (MNX-25)<br>25A-415V-3P                        | L&T or ANY APPROVED MAKE |
| 14 | Contactor (MNX-18)<br>18A-415V-4P                        | L&T or ANY APPROVED MAKE |
| 15 | Contactor (MNX-9)<br>9A-415V-3P                          | L&T or ANY APPROVED MAKE |
| 16 | Contactor (MNX-32)<br>32A-415V-3P                        | L&T or ANY APPROVED MAKE |
| 17 | Contactor (AX-09)<br>22A-330-440V                        | L&T or ANY APPROVED MAKE |
| 18 | Contactor (MNX-12)<br>12A-415V-3P                        | L&T or ANY APPROVED MAKE |
| 19 | Auxiliary Contactor (MNX-A1)<br>10A-415V, 2NO/2NC        | L&T or ANY APPROVED MAKE |
| 20 | Auxiliary Contactor (MNX-A2)<br>10A-415V,1NO/1NC         | L&T or ANY APPROVED MAKE |
| 21 | Auxiliary Contactor (MX0)<br>16A NC                      | L&T or ANY APPROVED MAKE |
| 22 | Over Load Relay (32A)<br>MN-2, 32A-500V-50HZ             | L&T or ANY APPROVED MAKE |
| 23 | Over Load Relay (80A)<br>MN-5                            | L&T or ANY APPROVED MAKE |
| 24 | Over Load Relay (50A)<br>MN-2                            | L&T or ANY APPROVED MAKE |
| 25 | Over Load Relay (63A)<br>MN-2, 63A-415V-3P               | L&T or ANY APPROVED MAKE |
| 26 | Phase Control Relay (SM251)<br>3P-440V(5Amp, 240V)       | L&T/ PARAGON             |
| 27 | Under Voltage Relay (600V AC-6-10A)                      | L&T or ANY APPROVED MAKE |
| 28 | Start Push button Switch (6A-225V-800V)<br>CAT-NO/HC61A2 | L&T/ ESBEE               |
| 29 | Start Push button Switch (Auxiliary NO)                  | L&T/TRIPHNE              |

|    |                                                                                                     |                                |
|----|-----------------------------------------------------------------------------------------------------|--------------------------------|
|    | 415V AC 15A                                                                                         |                                |
| 30 | Stop Push button Switch (Auxiliary NC)<br>CAT-NO/HC61B2, 6A-230V-500V                               | L&T/ ESBEE                     |
| 31 | Stop Push button Switch (15A-415V AC)<br>Auxiliary NC                                               | SHI/L&T                        |
| 32 | Electronic- Timer- Series MICON-225-Star-Delta<br>(2ASD TO),<br>24-240V AC/DC-50/60HZ- Time 3s-120s | GIC/L&T                        |
| 33 | Electronic- Timer- Series, MICON-225 (2A-5D-T5),<br>24-240VAC                                       | GIC/L&T                        |
| 34 | Timer<br>H3DKZ-F, 24-240V AC/DC 250V AC-30V DC-SA-250V                                              | L&T/ORMAN,                     |
| 35 | Auto- Manual Selector Switch (2P-4way)<br>S6-61026 B-13 TDYR, 21A-440V-2 Pole 4 Way                 | L&T or ANY APPROVED MAKE       |
| 36 | Auto- Manual Selector Switch (2P-4A)<br>S6-1026-B13-TDYR, 2 Pole 4 Amp                              | SAIZER/L&T                     |
| 37 | Selector switch<br>S61025-B13-TDYR, 3 Pole 4 Way.                                                   | L&T or ANY APPROVED MAKE       |
| 38 | PUMP-1/ PUMP-2 Selector Switch<br>S61020-B13-TDYR, 21A-440V-1 Pole 4 Way                            | L&T or ANY APPROVED MAKE       |
| 39 | Indication lamp<br>240V-AC                                                                          | L&T or ANY APPROVED MAKE       |
| 40 | Amp meter<br>(0-15A AC)                                                                             | AE or ANY APPROVED MAKE        |
| 41 | Amp meter<br>(0-20A AC)                                                                             | AE or ANY APPROVED MAKE        |
| 42 | Amp meter<br>(0-60A AC)                                                                             | AE or ANY APPROVED MAKE        |
| 43 | Amp meter<br>3" (0-100A AC)                                                                         | AE or ANY APPROVED MAKE        |
| 44 | Volt Meter<br>4", (0-600V AC)                                                                       | AE or ANY APPROVED MAKE        |
| 45 | Volt Meter and Amp meter<br>4", 0-600V,20A                                                          | AE or ANY APPROVED MAKE        |
| 46 | Digital Volt Meter<br>0-600V                                                                        | L&T or ANY APPROVED MAKE       |
| 47 | Digital Amp Meter<br>0-100A                                                                         | L&T or ANY APPROVED MAKE       |
| 48 | CT<br>VA-5/CLASS-5<br>30/5 50HZ                                                                     | KAPPA-Electronic or Equivalent |
| 49 | CT<br>VA-5/CLASS-5<br>250/5 50HZ                                                                    | KAPPA-Electronic or Equivalent |
| 50 | CT<br>VA-5/CLASS-563/5 50HZ                                                                         | KAPPA-Electronic or Equivalent |
| 51 | Catridge Fuse, HD-20H,<br>20A-415V 1Pole                                                            | L&T or ANY APPROVED MAKE       |

**Technical Bid (Eligibility Criteria)**

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

| <b>Sl. No.</b> | <b>Details/ Particulars</b>                                                                                                                                                                                                                                            | <b>Uploaded (Yes/No)</b> | <b>Page No.</b> |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|
| (A)            | Demand Draft of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.                                                                                                                                                                                        |                          |                 |
| (B)            | Appendix 'A to C' duly filled in (Pages 11& 12ref.)and signed with stamp                                                                                                                                                                                               |                          |                 |
| (C)            | Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 8 refer under Eligibility Criteria                                               |                          |                 |
| (D)            | Certificate of Registration for GST and acknowledgement, up to date filed return if required                                                                                                                                                                           |                          |                 |
| (E)            | Attested Copies of PAN No.                                                                                                                                                                                                                                             |                          |                 |
| (F)            | Copies of Balance Sheets.                                                                                                                                                                                                                                              |                          |                 |
| (G)            | Copy of Affidavit. (As per page no 24)                                                                                                                                                                                                                                 |                          |                 |
| (H)            | Copies of ESI Registration (enclose latest challan copy)                                                                                                                                                                                                               |                          |                 |
| (I)            | Copies of EPF Registration. (enclose latest challan copy )                                                                                                                                                                                                             |                          |                 |
| (J)            | The Bidder(s) should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30(Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given to EE(Elect.) (I/C). |                          |                 |
| (K)            | Declarations to be given by the Tenderer(s) (as per Page 06).                                                                                                                                                                                                          |                          |                 |
| (L)            | Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid                                                                                                                                                             |                          |                 |

## AFFIDAVIT

(To be submitted on Rs. 100/- Indian Non-Judicial Stamp Paper)

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

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

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

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

Business Address: -

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name:

(Signature of Bidder with Firm's Seal)

Place: \_\_\_\_\_

Dated: \_\_\_\_\_

**PROFORMA FOR EARNEST MONEY (BANK GUARANTEE)**  
[FORM OF EARNEST MONEY (BANK GUARANTEE)]

WHEREAS, Contractor\_\_\_\_\_ (Name of contractor) (hereinafter called "the Contractor") has submitted his tender dated\_\_\_\_\_(date) for the construction of\_\_\_\_\_(name of work) (hereinafter called "the Tender") KNOW ALL PEOPLE by these presents that I/we\_\_\_\_\_(name of bank) having our registered office at\_\_\_\_\_(hereinafter called "the Bank") are bound up to\_\_\_\_\_(Name and division of Executive Engineer)(hereinafter called "the Engineer-in-Charge") in the sum of Rs.\_\_\_\_\_(Rupees \_\_\_\_\_ only) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ THE CONDITIONS of this obligation are :-

- (a) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (b) If the Contractor having been notified of the acceptance of his Tender by the Engineer-in-Charge.
- (c) Fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR
- (d) Fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of Tender Document and Instructions to contractor.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date\*.....after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is here by waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE.....

SIGNATURE OF THE BANK

WITNESS.....

SEAL (SIGNATURE, NAME & ADDRESS)

\*Date to be worked out on the basis of validity period of 6 months from last date of receipt of Tender.

### **FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)**

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

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

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

3. I/We the said bank undertake to pay to the Government any money so demanded not withstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

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

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

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

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor (s). We lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

8. This Guarantee shall valid up to \_\_\_\_\_ unless extended on demand by Government, not withstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ for \_\_\_\_\_

**Format for Agreement**  
(to be made on Rs 100/- Judicial Stamp Paper)

This agreement is made at Bhubaneswar on the \_\_\_\_\_ day of \_\_\_\_\_ Month of \_\_\_\_\_ 2020 (Two Thousand Twenty) **between the Director, All India Institute of Medical Sciences, Bhubaneswar** acting through **Superintending Engineer, AIIMS, Bhubaneswar** having its **Office at AIIMS, Bhubaneswar-751019** (herein after called '**Client**' which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors, Legal Representatives and assigns) of the First party,

**and**

M/s \_\_\_\_\_ (Second party) having its registered Office at \_\_\_\_\_  
\_\_\_\_\_ (herein after called the '**Agency**' which expression unless repugnant to the Context shall mean and include its successors-in-interest assigns etc.) of the Second Party.

WHEREAS the "**Client**" is desirous to engage the "**Agency**" for **Operation & Comprehensive Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar**. on the terms and conditions stated below:-

- (a) All the Terms & conditions of the Tender document will form as the part of this Agreement.
- (b) The agency shall be solely responsible for compliance to provisions of various Labour, Industrial and any other Laws applicable and all Statutory Obligations such as Wages, Allowances, Compensations, EPF, Bonus, Gratuity, ESI etc. relating to personnel deployed in AIIMS, Bhubaneswar. The client shall have no liability in this regard.
- (c) The Agency shall be solely responsible for any Accident/Medical/Health related Liabilities/Compensation for the personnel deployed at it at AIIMS, Bhubaneswar site. The Client shall have no liability in this regard.
- (d) Any violation of Instructions/Agreement or Suppression of facts will attract cancellation of Agreement without any reference or any notice period.
- (e) The Contract can be terminated by giving 01 (One) Month Notice by the AIIMS, Bhubaneswar.
- (f) In case of Non-Compliance with the contract, the Client reserves its right to:-
  - (i) Cancel/Revoke the contract; **and/or**
  - (ii) Impose penalty up to 10 % of the total Annual Value of Contract.
- (g) Performance Security of 5% of the Annual Contract Value, in the form of Fixed Deposit Receipt or Bank Guarantee form a scheduled Bank shall be furnished by the Agency at the time of signing of the Agreement.

- (h) The Agency shall be fully responsible for timely monthly payment of wages i.e. by 07<sup>th</sup> of every month without fail and any other dues to the personnel deployed at AIIMS, Bhubaneswar as per rates mentioned in the schedule without any deductions except PF & ESI as admissible.
- (i) The personnel provided by the Agency will not claim to become the employees of AIIMS, Bhubaneswar and there will be no employee and Employer relationship between the personnel engaged by the Agency & AIIMS, Bhubaneswar.
- (j) There would be no increase in rates payable to the Agency during the Contract Period except any revision by the Ministry of H& FW, Govt. of India.
- (k) The Agency also agrees to comply with annexed Terms & Conditions of the Tender and amendments thereto from time to time.
- (l) Decision of Client in regard to interpretation of the Terms & Conditions of the Tender shall be final and binding on the Agency.
- (m) The Agency shall ensure full compliance with Tax Laws of India with regard to this contract and shall be solely responsible for the same. The Agency shall keep Client fully indemnified against liability of Tax, Interest, Penalty and any other legal Liability etc. of the Agency in respect thereof, which may arise. No Service Tax will be paid by AIIMS, Bhubaneswar. The Books of Accounts of the Agency as regards this outsourcing work shall be open for examination by the Institute as and when required.
- (n) In case of any dispute between the Agency and Client, Client shall have the right to decide. However, all matters of jurisdiction shall be at the Local Courts of Bhubaneswar.
- (o) The Agency will provide Police Verification Certificate of each Employee within a period of 03 (Three) Months from the date of deployment except in respect of Ex-Servicemen and retired Government Employees. Failing this, the deployment shall be liable for cancellation.
- (p) THIS AGREEMENT will take effect from the \_\_\_\_\_ day of \_\_\_\_\_ Month of \_\_\_\_\_ 2020(Two Thousand Twenty) and shall be valid for 01 (One) Year and extendable for another 01 (One) year on mutually agreeable conditions subject to satisfactory performance.

This day of \_\_\_\_\_ 2020, both the parties here to have caused their respective common seals to be hereunto affixed or have hereunto set their respective hands and seals, the day and year mentioned above in Bhubaneswar in the presence of the witness:-

For and on behalf of the 'Agency'

For and on behalf of the 'AIIMS, Bhubaneswar'

Signature of the Authorized Official  
(Name of the Official with Seal)

Signature of the Authorized Official  
(Name of the Official with Seal)

By the said \_\_\_\_\_  
\_\_\_\_\_(Name)  
\_\_\_\_\_ on behalf of 'Agency'  
in presence of Witness \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

By the said \_\_\_\_\_  
\_\_\_\_\_(Name)  
\_\_\_\_\_ on behalf of 'Agency'  
in presence of Witness \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**PROFORMA OF SCHEDULES**

**SCHEDULE 'F'**

***(Reference to General conditions of Contract.)***

**Officer Inviting Tender: - Executive Engineer (I/C) Elect., AIIMS, Bhubaneswar**

**Name of Work: Operation & Comprehensive Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar**

|                                              |                              |
|----------------------------------------------|------------------------------|
| <b>Estimated Cost of Work: ₹43,33,966.00</b> |                              |
| (a) Earnest Money =                          | <b>₹86,700.00</b>            |
| (b) Performance Guarantee =                  | <b>05% of Tendered Value</b> |
| (c) Security Deposit =                       | <b>05% of Final Value</b>    |

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined: -  
in accordance with Clause -12.2 &12.3 = 50%

|         | <b>Definitions</b>                                                                                                                                                                                                                                      | <b>See below</b>                                                                                   |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 2 (v)   | Engineer-in-Charge:                                                                                                                                                                                                                                     | Superintending Engineering<br>AIIMS, Bhubaneswar                                                   |
| 2(viii) | Accepting Authority:                                                                                                                                                                                                                                    | Director<br>AIIMS, Bhubaneswar                                                                     |
| 2(x)    | Percentage on cost of materials and labour to cover all over heads and profit:                                                                                                                                                                          | 15%                                                                                                |
| 2(xi)   | Standard Schedule of Rates:                                                                                                                                                                                                                             | Central Public Works Department<br>Schedule of Rates 2018 at Delhi with upto date correction slips |
| 9(ii)   | Standard AIIMS Contract Form :                                                                                                                                                                                                                          | GCC for CPWD Works - 2014 as amended and up to and including correction slip                       |
|         | (i) Time allowed for submission of Performance guarantee, Program Chart (Time & Progress) and applicable Labour Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance | 07 Days                                                                                            |
|         | (ii) Maximum allowable Extension with late fee @ 0.1% per day of Performance guarantee amount beyond the period provided in (i) above.                                                                                                                  | 01 to 15 days                                                                                      |

**Clause -2.**

Authority for fixing compensation under Clause 2: Director, AIIMS, Bhubaneswar

**Clause -2A.**

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

**Clause – 5.**

Time allowed for execution of work :

**1 Year(after issue of work order).**

Time of start of work:

Within Seven days after issue of work order.

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

**Clause – 6A.**

Whether Clause 6A shall be applicable :

**No.**

**Clause – 16.**

Competent Authority for deciding reduced rates

**: Superintending Engineer  
AIIMS, Bhubaneswar**

**Clause – 25.**

Settlement of dispute & Arbitration

**: Director, AIIMS, Bhubaneswar**

**Financial Bid (Schedule of Quantities)**  
**NIT NO.: AIIMS/BBSR/ENGG/ELECT/051/2020-21**

| Name of Work: Annual Operation & Maintenance Contract of Pump Houses and Fountains at Hospital and Housing Complex, AIIMS, Bhubaneswar |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |            |      |        |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|------|--------|
| PART-'A' - Maintenance With Technical Manpower Component                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |            |      |        |
| Sl. No                                                                                                                                 | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Period cover (Months) | Unit       | Rate | Amount |
| 1                                                                                                                                      | Periodical Operation & Maintenance of Pump Houses, Fountains and only electrical maintenance of STP and Irrigation motors with their panels at Hospital & Housing Complex. The operation, repairs & maintenance, faults / breakdowns rectifications, satisfactory working condition of the systems, preventive maintenance on daily/ weekly/ monthly/ quarterly/ half yearly/ yearly basis, maintenance of records/documentation etc. as per scope of work given in tender specifications of contract on all days including Sundays & Holidays (ie. in three shifts daily, each shift/daily of 8 hours) with the following technical manpower deployed. | 12                    | Each month |      |        |
|                                                                                                                                        | <b>Supervisor (1 no. in General Shift only including Saturday, Sunday &amp; Holiday).</b><br><b>Category: Highly-Skilled.</b><br>Minimum qualification: B.E/ Diploma in Electrical/ Mechanical Engineering with minimum 3 to 5 years experience in Operation and Maintenance of Pump House Equipments, STP and ETP with Electrical supervisor competency licence (M.V or above) from any Chief Electrical Inspector of state/Central Govt.                                                                                                                                                                                                              |                       |            |      |        |
|                                                                                                                                        | <b>Mechanic- cum-Operator( 2 Nos in each shift, Total=6 Nos)</b><br><b>Category: Skilled.</b><br>Minimum qualification: ITI / Trade Certificate in Electrician/Fitter/Plumber Trade from NCVT/SCVT with minimum 2 to 3 years experience in Operation and Maintenance of Pump House Equipments, STP and ETP.<br>In each shift there must be one Electrician having above mentioned qualification with electrical lineman/Wireman permit (MV or above) from any                                                                                                                                                                                           |                       |            |      |        |

|                                                                         |                                                                                            | Chief Electrical Inspector of State/Central Govt.                                                                                                                                                                       |     |      |      |        |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|--------|
|                                                                         | iii                                                                                        | <b>Helper ( 1 no. in General Shift and 1 no. in 'B- Shift', Total 2 Nos.)</b><br><b>Category: Semi skilled</b><br>Minimum qualification: ITI or Trade Certificate in concern trade(Electrician, fitter) from NCVT/SCVT. |     |      |      |        |
|                                                                         |                                                                                            |                                                                                                                                                                                                                         |     |      |      |        |
|                                                                         |                                                                                            |                                                                                                                                                                                                                         |     |      |      |        |
| <b>PART-'B'- MATERIAL COMPONENT</b>                                     |                                                                                            |                                                                                                                                                                                                                         |     |      |      |        |
| <b>Supply and Rewinding of 1 HP to 30 HP motor and pump spare parts</b> |                                                                                            |                                                                                                                                                                                                                         |     |      |      |        |
| Sl No                                                                   | Description of Items                                                                       |                                                                                                                                                                                                                         | Qty | Unit | Rate | Amount |
| 1                                                                       | Supply and fitting of 2 HP motor<br>Make: Kirloskar, NON CLOG SUBMERSIBLE                  |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 2                                                                       | Supply and fitting of 3 HP motor<br>Make: Kirloskar, NON CLOG SUBMERSIBLE, MS-231S/P       |                                                                                                                                                                                                                         | 1   | Nos  |      |        |
| 3                                                                       | Rewinding of 1 HP Motor<br>Make: Kirloskar, CENTRIFUGAL MONO BLOCK, SP-0M                  |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 4                                                                       | Rewinding of 2 HP Motor<br>Make: Kirloskar, NON CLOG SUBMERSIBLE                           |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 5                                                                       | Rewinding of 3 HP Motor<br>Make: Kirloskar, NON CLOG SUBMERSIBLE for drain pump, MS-231S/P |                                                                                                                                                                                                                         | 3   | Nos  |      |        |
| 6                                                                       | Rewinding of 5 HP Motor<br>Make: Kirloskar, Centrifugal Pump, KDS-538+                     |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 7                                                                       | Rewinding of 5 HP Motor<br>Make: Kirloskar, Centrifugal Pump, KDT-568+                     |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 8                                                                       | Rewinding of 7.5 HP Motor<br>Make: Kirloskar, Centrifugal Pump, KDS-830+                   |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 9                                                                       | Rewinding of 15 HP Motor<br>Make: Kirloskar, MONO SET PUMP , KDS 1537+                     |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 10                                                                      | Rewinding of 20 HP Motor<br>Make: Kirloskar, Centrifugal pump, KDT-2070+                   |                                                                                                                                                                                                                         | 5   | Nos  |      |        |
| 11                                                                      | Rewinding of 30 HP Motor<br>Make: Kirloskar, Centrifugal Pump ,KDS-3068+                   |                                                                                                                                                                                                                         | 2   | Nos  |      |        |
| 12                                                                      | Rewinding of 1.5 HP Motor<br>Make: Kirloskar, Open well mono submersible pump for fountain |                                                                                                                                                                                                                         | 3   | Nos  |      |        |
| 13                                                                      | Bearing of 1 HP to 4 HP Motor<br>Make: Kirloskar                                           |                                                                                                                                                                                                                         | 10  | Nos  |      |        |
| 14                                                                      | Bearing for 5 HP motor<br>Make: Kirloskar                                                  |                                                                                                                                                                                                                         | 5   | Nos  |      |        |
| 15                                                                      | Bearing for 7.5 HP motor<br>Make: Kirloskar                                                |                                                                                                                                                                                                                         | 4   | Nos  |      |        |
| 16                                                                      | Bearing for 15 HP motor<br>Make: Kirloskar                                                 |                                                                                                                                                                                                                         | 4   | Nos  |      |        |
| 17                                                                      | Bearing for 20 HP motor<br>Make: Kirloskar                                                 |                                                                                                                                                                                                                         | 8   | Nos  |      |        |
| 18                                                                      | Bearing for 30 HP motor<br>Make: Kirloskar                                                 |                                                                                                                                                                                                                         | 4   | Nos  |      |        |
| 19                                                                      | Bush for 1 HP to 4 HP motor<br>Make: Kirloskar                                             |                                                                                                                                                                                                                         | 15  | Nos  |      |        |
| 20                                                                      | Bush for 5 HP motor<br>Make: Kirloskar                                                     |                                                                                                                                                                                                                         | 6   | Nos  |      |        |
| 21                                                                      | Bush for 7.5 HP motor<br>Make: Kirloskar                                                   |                                                                                                                                                                                                                         | 3   | Nos  |      |        |

|           |                                                              |    |     |  |  |
|-----------|--------------------------------------------------------------|----|-----|--|--|
| <b>22</b> | Bush for 15 HP motor<br>Make: Kirloskar                      | 3  | Nos |  |  |
| <b>23</b> | Bush for 20 HP motor<br>Make: Kirloskar                      | 5  | Nos |  |  |
| <b>24</b> | Bush for 30 HP motor<br>Make: Kirloskar                      | 4  | Nos |  |  |
| <b>25</b> | Coupling Bush for 1 HP to 4 HP motor<br>Make: Kirloskar      | 15 | Nos |  |  |
| <b>26</b> | Coupling Bush for 5 HP motor<br>Make: Kirloskar              | 6  | Nos |  |  |
| <b>27</b> | Coupling Bush for 7.5HP motor<br>Make: Kirloskar             | 3  | Nos |  |  |
| <b>28</b> | Coupling Bush for 15 HP motor<br>Make: Kirloskar             | 3  | Nos |  |  |
| <b>29</b> | Coupling Bush for 20 HP motor<br>Make: Kirloskar             | 5  | Nos |  |  |
| <b>30</b> | Coupling Bush for 30 HP motor<br>Make: Kirloskar             | 4  | Nos |  |  |
| <b>31</b> | Motor studs for 1 HP to 4 HP<br>Make: Kirloskar              | 20 | Nos |  |  |
| <b>32</b> | Motor studs for 5 HP<br>Make: Kirloskar                      | 8  | Nos |  |  |
| <b>33</b> | Motor studs for 7.5 HP<br>Make: Kirloskar                    | 4  | Nos |  |  |
| <b>34</b> | Motor studs for 15 HP<br>Make: Kirloskar                     | 4  | Nos |  |  |
| <b>35</b> | Motor studs for 20 HP<br>Make: Kirloskar                     | 8  | Nos |  |  |
| <b>36</b> | Motor studs for 30 HP<br>Make: Kirloskar                     | 4  | Nos |  |  |
| <b>37</b> | GM Impeller for 5 HP motor<br>Make: Kirloskar                | 4  | Nos |  |  |
| <b>38</b> | GM Impeller for 7.5 HP motor<br>Make: Kirloskar              | 3  | Nos |  |  |
| <b>39</b> | GM Impeller for 15 HP motor<br>Make: Kirloskar               | 3  | Nos |  |  |
| <b>40</b> | GM Impeller for 20 HP motor<br>Make: Kirloskar               | 5  | Nos |  |  |
| <b>41</b> | GM Impeller for 30 HP motor<br>Make: Kirloskar               | 3  | Nos |  |  |
| <b>42</b> | Cast Iron Impeller for 1 HP to 4 HP motor<br>Make: Kirloskar | 10 | Nos |  |  |
| <b>43</b> | Cast Iron Impeller for 5 HP motor<br>Make: Kirloskar         | 4  | Nos |  |  |
| <b>44</b> | Cast Iron Impeller for 7.5 HP motor<br>Make: Kirloskar       | 3  | Nos |  |  |
| <b>45</b> | Cast Iron Impeller for 15 HP motor<br>Make: Kirloskar        | 3  | Nos |  |  |
| <b>46</b> | Cast Iron Impeller for 20 HP motor<br>Make: Kirloskar        | 3  | Nos |  |  |
| <b>47</b> | Gasket for 1 HP to 4 HP motor<br>Make: Kirloskar             | 20 | Nos |  |  |
| <b>48</b> | Gasket for 5 HP motor<br>Make: Kirloskar                     | 8  | Nos |  |  |
| <b>49</b> | Gasket for 7.5 HP motor<br>Make: Kirloskar                   | 4  | Nos |  |  |
| <b>50</b> | Gasket for 15 HP motor<br>Make: Kirloskar                    | 4  | Nos |  |  |

|    |                                                      |    |     |  |  |
|----|------------------------------------------------------|----|-----|--|--|
| 51 | Gasket for 20 HP motor<br>Make: Kirloskar            | 8  | Nos |  |  |
| 52 | Gasket for 30 HP motor<br>Make: Kirloskar            | 4  | Nos |  |  |
| 53 | Water Seal for 1 HP to 4 HP motor<br>Make: Kirloskar | 6  | Nos |  |  |
| 54 | Water Seal for 5 HP motor<br>Make: Kirloskar         | 4  | Nos |  |  |
| 55 | Water Seal for 7.5 HP motor<br>Make: Kirloskar       | 2  | Nos |  |  |
| 56 | Water Seal for 15 HP motor<br>Make: Kirloskar        | 2  | Nos |  |  |
| 57 | Water Seal for 20 HP motor<br>Make: Kirloskar        | 2  | Nos |  |  |
| 58 | Water Seal for 30 HP motor<br>Make: Kirloskar        | 2  | Nos |  |  |
| 59 | Coupling for 1HP to 4 HP motor<br>Make: Kirloskar    | 4  | Nos |  |  |
| 60 | Coupling for 5 HP motor<br>Make: Kirloskar           | 4  | Nos |  |  |
| 61 | Coupling for 7.5 HP motor<br>Make: Kirloskar         | 1  | Nos |  |  |
| 62 | Coupling for 15 HP motor<br>Make: Kirloskar          | 2  | Nos |  |  |
| 63 | Coupling for 20 HP motor<br>Make: Kirloskar          | 2  | Nos |  |  |
| 64 | Coupling for 30 HP motor<br>Make: Kirloskar          | 2  | Nos |  |  |
| 65 | Lathe work of shaft/Impeller                         | 10 | Nos |  |  |

#### Supply of Valves and Other Accessories

| Sl. No. | Description of Items                                                 | Qty | Unit | Rate |  |
|---------|----------------------------------------------------------------------|-----|------|------|--|
| 66      | 200 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, WHEEL TYPE  | 1   | Nos  |      |  |
| 67      | 150 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, HANDLE TYPE | 1   | Nos  |      |  |
| 68      | 125 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, HANDLE TYPE | 1   | Nos  |      |  |
| 69      | 100 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, HANDLE TYPE | 1   | Nos  |      |  |
| 70      | 65 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, HANDLE TYPE  | 1   | Nos  |      |  |
| 71      | 50 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, HANDLE TYPE  | 1   | Nos  |      |  |
| 72      | 40 mm Butter Fly Valve (CI)<br>Make: SANT or Kirloskar, HANDLE TYPE  | 1   | Nos  |      |  |
| 73      | 150 mm Non-Return Valve<br>Make: ADVANCE or Kirloskar, DUAL PLATE    | 1   | Nos  |      |  |
| 74      | 125 mm Non-Return Valve                                              | 1   | Nos  |      |  |

|           |                                                                      |   |     |  |  |
|-----------|----------------------------------------------------------------------|---|-----|--|--|
|           | Make: ADVANCE or Kirloskar, DUAL PLATE                               |   |     |  |  |
| <b>75</b> | 100 mm Non-Return Valve<br>Make: ADVANCE or Kirloskar, DUAL PLATE    | 1 | Nos |  |  |
| <b>76</b> | 65 mm Non-Return Valve<br>Make: ADVANCE or Kirloskar, DUAL PLATE     | 1 | Nos |  |  |
| <b>77</b> | 50 mm Non-Return Valve<br>Make: ADVANCE or Kirloskar, DUAL PLATE     | 1 | Nos |  |  |
| <b>78</b> | 100 mm Brass Ball Valve<br>Make: ZOLOTE or Equivalent, WHEEL TYPE    | 1 | Nos |  |  |
| <b>79</b> | 40 mm Brass full way Valve<br>Make: ZOLOTE or Equivalent, WHEEL TYPE | 3 | Nos |  |  |
| <b>80</b> | 80 mm Brass Full Way Valve<br>Make: SANT or Kirloskar, WHEEL TYPE    | 1 | Nos |  |  |
| <b>81</b> | 65 mm Brass Full Way Valve<br>Make: SANT or Kirloskar, WHEEL TYPE    | 1 | Nos |  |  |
| <b>82</b> | 50 mm Brass Full Way Valve<br>Make: SANT or Kirloskar, WHEEL TYPE    | 1 | Nos |  |  |
| <b>83</b> | 25mm brass full way valve<br>Make: SANT or Kirloskar, WHEEL TYPE     | 2 | Nos |  |  |
| <b>84</b> | 32mm brass full way valve<br>Make: SANT or Kirloskar, WHEEL TYPE     | 2 | Nos |  |  |
| <b>85</b> | 150mm air valve<br>Make: SANT or Kirloskar                           | 1 | Nos |  |  |
| <b>86</b> | 200mm sluice valve<br>Make: SANT or Kirloskar                        | 1 | Nos |  |  |
| <b>87</b> | 150mm sluice valve<br>Make: SANT or Kirloskar                        | 1 | Nos |  |  |
| <b>88</b> | 100mm sluice valve<br>Make: SANT or Kirloskar                        | 1 | Nos |  |  |
| <b>89</b> | 200 mm Cast Iron Y-STRAINER<br>Make: ZOLOTE or Equivalent            | 1 | Nos |  |  |
| <b>90</b> | 150 mm Cast Iron Y-STRAINER<br>Make: ZOLOTE or Equivalent            | 1 | Nos |  |  |
| <b>91</b> | 125 mm Cast Iron Y-STRAINER<br>Make: ZOLOTE or Equivalent            | 1 | Nos |  |  |
| <b>92</b> | 100 mm Cast Iron Y-STRAINER<br>Make: ZOLOTE or Equivalent            | 1 | Nos |  |  |
| <b>93</b> | 65 mm Cast Iron Y-STRAINER<br>Make: ZOLOTE or Equivalent             | 1 | Nos |  |  |
| <b>94</b> | 50 mm Brass Y-STRAINER<br>Make: ZOLOTE or Equivalent                 | 1 | Nos |  |  |

### Supply of Electrical Accessories Details

| Sl. No | Description of Items | Qty | Unit | Rate | Amount |
|--------|----------------------|-----|------|------|--------|
|--------|----------------------|-----|------|------|--------|

|            |                                                               |    |     |  |  |
|------------|---------------------------------------------------------------|----|-----|--|--|
| <b>95</b>  | MCCB (DU-250C, 250A-4P)<br>Make: L&T, 250Amp-415V-4P-36KA     | 1  | Nos |  |  |
| <b>96</b>  | MCCB (DU100D)<br>Make: L&T, 63A-415V-3P                       | 1  | Nos |  |  |
| <b>97</b>  | MCCB (DU125D)<br>Make: L&T, 125A-4P-36KA                      | 1  | Nos |  |  |
| <b>98</b>  | MCCB (DN0100C)<br>Make: L&T, 50A-415V-3P                      | 1  | Nos |  |  |
| <b>99</b>  | MCCB (DN0100C)<br>Make: L&T, 100A-3P                          | 1  | Nos |  |  |
| <b>100</b> | MCCB (DN0100C)<br>Make: L&T, 63A-3P                           | 1  | Nos |  |  |
| <b>101</b> | MCCB (DU-100D)<br>Make: L&T, 100A-3P                          | 1  | Nos |  |  |
| <b>102</b> | Single Pole MCB (6A-10A)<br>Make: SIEMENS/L&T                 | 10 | Nos |  |  |
| <b>103</b> | MCB (C-16-415V-3P)<br>Make: SIEMENS/L&T                       | 2  | Nos |  |  |
| <b>104</b> | MCB (C-32-415V-3P)<br>Make: SIEMENS/L&T                       | 2  | Nos |  |  |
| <b>105</b> | Contactor (MNX-40)<br>Make: L&T, 40A-3P-600V                  | 2  | Nos |  |  |
| <b>106</b> | Contactor (MNX-50)<br>Make: L&T, 50A-3P-600V                  | 2  | Nos |  |  |
| <b>107</b> | Contactor (MNX-25)<br>Make: L&T, 25A-415V-3P                  | 2  | Nos |  |  |
| <b>108</b> | Contactor (MNX-18)<br>Make: L&T, 18A-415V-4P                  | 2  | Nos |  |  |
| <b>109</b> | Contactor (MNX-9)<br>Make: L&T, 9A-415V-3P                    | 2  | Nos |  |  |
| <b>110</b> | Contactor (MNX-32)<br>Make: L&T, 32A-415V-3P                  | 2  | Nos |  |  |
| <b>111</b> | Contactor (AX-09)<br>Make: L&T/ABB, 22A-330-440V              | 2  | Nos |  |  |
| <b>112</b> | Contactor (MNX-12)<br>Make: L&T, 12A-415V-3P                  | 2  | Nos |  |  |
| <b>113</b> | Auxiliary Contactor (MNX-A1)<br>Make: L&T, 10A-415V, 2NO/2NC  | 2  | Nos |  |  |
| <b>114</b> | Auxiliary Contactor (MNX-A2)<br>Make: L&T, 10A-415V, 1NO/1NC  | 2  | Nos |  |  |
| <b>115</b> | Auxiliary Contactor (MX0)<br>Make: L&T, 16A NC                | 2  | Nos |  |  |
| <b>116</b> | Over Load Relay (32A)<br>Make: L&T<br>MN-2, 32A-500V-50HZ     | 2  | Nos |  |  |
| <b>117</b> | Over Load Relay (80A)<br>Make: L&T, MN-5                      | 2  | Nos |  |  |
| <b>118</b> | Over Load Relay (50A)<br>Make: L&T, MN-2                      | 2  | Nos |  |  |
| <b>119</b> | Over Load Relay (63A)<br>Make: L&T, MN-2, 63A-415V-3P         | 2  | Nos |  |  |
| <b>120</b> | Phase Control Relay (SM251)<br>Make: L&T, 3P-440V(5Amp, 240V) | 4  | Nos |  |  |
| <b>121</b> | Under Voltage Relay (600V AC-6-10A)<br>Make: L&T              | 2  | Nos |  |  |

|     |                                                                                                                 |     |     |  |  |
|-----|-----------------------------------------------------------------------------------------------------------------|-----|-----|--|--|
| 122 | Start Push button Switch (6A-225V-800V)<br>Make: ESBEE, CAT-NO/HC61A2                                           | 40  | Nos |  |  |
| 123 | Start Push button Switch (Auxiliary NO)<br>Make: L&T /TRIPHNE, 415V AC 15A                                      | 40  | Nos |  |  |
| 124 | Stop Push button Switch (Auxiliary NC)<br>Make: ESBEE, CAT-NO/HC61B2, 6A-230V-500V                              | 40  | Nos |  |  |
| 125 | Stop Push button Switch (15A-415V AC)<br>Make: SHI/L&T, Auxiliary NC                                            | 40  | Nos |  |  |
| 126 | Electronic- Timer- Series MICON-225-Star-Delta( 2ASD TO),<br>Make: GIC/L&T, 24-240V AC/DC-50/60HZ- Time 3s-120s | 2   | Nos |  |  |
| 127 | Electronic- Timer- Series, MICON-225 (2A-5D-T5),<br>Make: GIC/L&T, 24-240VAC                                    | 2   | Nos |  |  |
| 128 | Timer<br>Make: L&T/ORMAN, H3DKZ-F, 24-240V AC/DC 250V AC-<br>30V DC-SA-250V                                     | 2   | Nos |  |  |
| 129 | Auto- Manual Selector Switch (2P-4way)<br>Make: L&T, S6-61026 B-13 TDYR, 21A-440V-2 Pole 4 Way                  | 20  | Nos |  |  |
| 130 | Auto- Manual Selector Switch (2P-4A)<br>Make: SAIZER/L&T, S6-1026-B13-TDYR, 2 Pole 4 Amp                        | 20  | Nos |  |  |
| 131 | Selector switch<br>Make: L&T, S61025-B13-TDYR, 3 Pole 4 Way.                                                    | 10  | Nos |  |  |
| 132 | PUMP-1/ PUMP-2 Selector Switch<br>Make: L&T, S61020-B13-TDYR, 21A-440V-1 Pole 4 Way                             | 20  | Nos |  |  |
| 133 | Indication lamp<br>Make: L&T, 240V-AC                                                                           | 100 | Nos |  |  |
| 134 | Amp meter<br>Make: AE, (0-15A AC)                                                                               | 2   | Nos |  |  |
| 135 | Amp meter<br>Make: AE, (0-20A AC)                                                                               | 2   | Nos |  |  |
| 136 | Amp meter<br>Make: AE, (0-60A AC)                                                                               | 2   | Nos |  |  |
| 137 | Amp meter<br>Make: AE, 3" (0-100A AC)                                                                           | 2   | Nos |  |  |
| 138 | Volt Meter<br>Make: AE, 4", (0-600V AC)                                                                         | 2   | Nos |  |  |
| 139 | Volt Meter and Amp meter<br>Make: AE, 4", 0-600V,20A                                                            | 2   | Nos |  |  |
| 140 | Digital Volt Meter<br>Make: L&T, 0-600V                                                                         | 2   | Nos |  |  |
| 141 | Digital Amp Meter<br>Make: L&T, 0-100A                                                                          | 2   | Nos |  |  |
| 142 | CT<br>Make: KAPPA-Electronic, VA-5/CLASS-5<br>30/5 50HZ                                                         | 2   | Nos |  |  |
| 143 | CT<br>Make: KAPPA-Electronic, VA-5/CLASS-5<br>250/5 50HZ                                                        | 2   | Nos |  |  |
| 144 | CT<br>Make: KAPPA-Electronic, VA-5/CLASS-563/5 50HZ                                                             | 2   | Nos |  |  |
| 145 | Catridge Fuse, HD-20H, Make: L&T,<br>20A-415V 1Pole                                                             | 10  | Nos |  |  |

|     |                                                                                                                                                                                                                                                              |     |      |  |  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--|--|
| 146 | Supply and fitting of Submersible Led Colour Change Light - Wattage - 36Watt (12X3 watt LED);Voltage - 4V / 12V DC;Lens Angle - 25 degree;Type - With Niche; MOC- light : Noryl with SS fasteners,Niche- Nylon ;Cable -1m Included;IP Rating - IP 68.        | 2   | Nos  |  |  |
| 147 | Repairing and fitting of Submersible Led Colour Change Light - Wattage - 36Watt (12X3 watt LED);Voltage - 4V / 12V DC; Lens Angle - 25 degree; Type - With Niche; MOC- light : Noryl with SS fasteners, Niche- Nylon ;Cable -1m Included; IP Rating - IP 68. | 15  | Nos  |  |  |
| 148 | Repairing and fixing of LED control module power supply (12 V 200WT, With Tapping 12, 14, 16, 18.)                                                                                                                                                           | 5   | Nos  |  |  |
| 149 | Repairing and fixing of LED Control Module Mother board(12 V 200WT, With Tapping 12, 14, 16, 18.)                                                                                                                                                            | 5   | Nos  |  |  |
| 150 | Repairing and fixing of Floor Inlet Nozzle (ABS) (3 Pcs./Set) Adjustable                                                                                                                                                                                     | 15  | Nos  |  |  |
| 151 | Repairing and fixing of 3 Stage 3/25a/25 Inlet-25mm Outlet-25 (direction adjustable) M.O.C- Brass/Gunmetal                                                                                                                                                   | 5   | Nos  |  |  |
| 152 | FRLS PVC insulated copper conductor, single core cable, 1x1.5sq. Mm sizes                                                                                                                                                                                    | 200 | mtrs |  |  |
| 153 | FRLS PVC insulated copper conductor, single core cable, 1x4 sq.mm sizes                                                                                                                                                                                      | 300 | mtrs |  |  |
| 154 | Periodical servicing of various types of pump motor sets by OEM                                                                                                                                                                                              | 4   | job  |  |  |

**Total Amount in figure (inclusive of GST) = ₹ \_\_\_\_\_**

**Total Amount in words (inclusive of GST) = Rupees \_\_\_\_\_ only.**

**Note:-**

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

Name : \_\_\_\_\_

Business Address : \_\_\_\_\_

Signature of the Bidder :-

Date : \_\_\_\_\_

Place : Bhubaneswar

Seal of the Bidder \_\_\_\_\_

## E-TENDERING INSTRUCTIONS TO BIDDERS

### **General.**

The Special Instructions (for e-Tendering) supplement 'Instruction to Bidders', as given in this Tender Document. Submission of Online Bids is mandatory for this Tender. E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Suppliers / Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, AIIMS BHUBANESWAR has decided to use the portal [www.tenderwizard.com](http://www.tenderwizard.com) /AIIMSBBSR through an ASP, M/s. ITI Ltd., Bhubaneswar.

### **Instructions.**

- 1. Tender Bidding Methodology.** Two Stage Online Bidding.
- 2. Broad outline of activities from Bidders prospective:**
  - (a) Procure a Class III Digital Signature Certificate (DSC).
  - (b) Register on the e-Procurement portal [www.tenderwizard.com](http://www.tenderwizard.com)/AIIMSBBSR.
  - (c) Create Users on the above portal.
  - (d) View Notice Inviting Tender (NIT) on the above portal.
  - (e) Download Official Copy of Tender Documents from the above portal.
  - (f) Seek Clarification to Tender Documents on the above portal. View response to queries of bidders, posted as addendum, by AIIMS, Bhubaneswar.
  - (g) Bid-Submission on the above portal.
  - (h) Attend Public Online Tender Opening Event (TOE) on the above portal - Opening of Technical Part.
  - (j) Post-TOE Clarification on the above portal (Optional) – Respond to AIIMS, Bhubaneswar's Post-TOE queries.
  - (k) Attend Public Online Tender Opening Event (TOE) on the above portal - Opening of Financial Part (Only for Technical Responsive Bidders).

For participating in this tender online, the following instructions are to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the above portal.

- 3. Digital Certificates.** For integrity of data and authenticity / non-repudiation of electronic records, and to be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate (DSC), of Class III, issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].
- 4. Registration.** To use the Electronic Tender portal [www.tenderwizard.com](http://www.tenderwizard.com)/AIIMSBBSR, vendors need to register on the portal. Registration of each organization is to be done by one of its senior persons vis-à-vis Authorized Signatory who will be the main person coordinating for the e-tendering activities. In the above portal terminology, this person will be referred to as the Super User (SU) of that organization. For further details, please visit the website/portal, and follow further instructions as given on the site. Pay Annual Registration Fee as applicable. (Rs 2000+ GST as applicable)

**Note.** : After successful submission of Registration details and Annual Registration Fee, please contact to the Help desk of the portal to get your registration accepted/ activated.

- (a) The Bidder must ensure that after following above, the status of bid submission must become – "Submitted".

(b) Please take due care while scanning the documents so that the size of documents to be uploaded remains minimum. If required, documents may be scanned at lower resolutions say at 150 dpi. However it shall be sole responsibility of bidder that the uploaded documents remain legible.

(c) It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission.

(d) The Financial part/BOQ may be downloaded and rates may be filled appropriately. This file may also be saved in a folder on your computer. Please don't change the file names & total size of documents (Preferably below 5 MB per document) may be checked.

5. **Bid submission.** The entire bid-submission would be online on the Tender wizard portal i.e. <https://www.tenderwizard.com> /AIIMS, Bhubaneswar.

6. **Broad outline of submissions are as follows:-**

- (a) Submission of Bid Parts (Technical & Financial).
- (b) Submission of information pertaining to Bid Security/ EMD.
- (c) Submission of signed copy of Tender Documents/Addendums.

The TECHNICAL PART shall consist of Electronic Form of Technical Main Bid and Bid Annexure. Scanned/Electronic copies of the various documents to be submitted under the Eligibility Conditions, offline submissions, instructions to bidders and documents required establishing compliance to Technical Specifications and Other Terms & Conditions of the tender are to be uploaded.

The FINANCIAL PART shall consist of Electronic Form of Financial Main Bid and Financial Bid Annexure, if any. Scanned copy of duly filled price schedule (Section VII) for both packages are to be uploaded. If required, additional documents in support of taxes, quoted duties etc may also be uploaded.

7. **Tender Processing Fee.** You pay processing fee (0.1% of ECV + GST as applicable (Min. 750/- & Max 7500/- + GST as applicable)) through online (Credit card/ Debit card/ Net Banking), when participating in the e-tender.

8. **Public Online Tender Opening Event (TOE).** The e-Procurement portal offers a unique facility for 'Public Online Tender Opening Event (TOE). Tender Opening Officers as well as authorized representatives of bidders can attend the Public Online Tender Opening Event (TOE) from the comfort of their offices. For this purpose, representatives of bidders (i.e. Supplier organization) duly authorized. Every legal requirement for a transparent and secure 'Public Online Tender Opening Event (TOE)' has been implemented on the portal. As soon as a Bid is decrypted, the salient points of the Bids are simultaneously made available for downloading by all participating bidders. The medium of taking notes during a manual 'Tender Opening Event' is therefore replaced with this superior and convenient form of 'Public Online Tender Opening Event (TOE)'. The portal a unique facility of 'Online Comparison Statement' which is dynamically updated as each online bid is opened. The format of the Statement is based on inputs provided by the Buyer for each Tender. The information in the Comparison Statement is based on the data submitted by the Bidders. A detailed Technical and / or Financial Comparison Statement enhance Transparency. Detailed instructions are given on relevant screens. The portal has a unique facility of a detailed report titled 'Online Tender Opening Event (TOE)' covering all important activities of 'Online Tender Opening Event (TOE)'. This is available to all participating bidders for 'Viewing/Downloading'. There are many more facilities and features on the portal. For a particular tender, the screens viewed by a Supplier will depend upon the options selected by the concerned Buyer.

**Important Note.** In case of internet related problem at a bidder's end, especially during 'critical events' such as – a short period before bid-submission deadline, during online public tender opening event it is the bidder's responsibility to have backup internet connections. In case there is a problem at the e-procurement / e-auction service-provider's end (in the server, leased line, etc) due to which all the bidders face a problem during critical events, and this is brought to the notice of AIIMS, BBSR by the bidders in time, then AIIMS, Bhubaneswar will promptly reschedule the affected event(s).

**9. Other Instructions.** For further instructions, the vendor should visit the home-page of the portal. The complete help manual is available in the portal for Users intending to Register / First-Time Users, Logged-in users of Supplier organizations. Various links are also provided in the home page.

**Important Note.** : It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups and minimize teething problems during the use of the said portal.

**The following ‘FOUR KEY INSTRUCTIONS for BIDDERS’ must be assiduously adhered to :-**

1. Obtain individual Digital Signature Certificate (DSC) well in advance of your first tender submission deadline on the portal.
2. Register your organization on the portal well in advance of your first tender submission deadline on the portal
3. Get your organization’s concerned executives trained on the portal well in advance of your first tender submission deadline on the portal
4. Submit your bids well in advance of tender submission deadline on the portal (There could be last minute problems due to internet timeout, breakdown etc).

While the first three instructions mentioned above are especially relevant to first-time users on the portal, the fourth instruction is relevant at all times. Minimum Requirements at Bidders end Computer System with good configuration (Min P IV, 1 GB RAM, Windows XP) Broadband connectivity. Microsoft Internet Explorer 8.0 or above. Digital Certificate(s) Vendors Training Program Necessary training to each and every registered bidder under this portal shall be impacted by the ASP, M/s. ITI, Bhubaneswar, if required, before participation in the online tendering.

For any further assistance, please contact Mr Swadesh Bala ( 7008064095/ 7377708585), Helpdesk-011-49424365ITI email ID for mailing communication :- [twhelpdesk404@gmail.com/](mailto:twhelpdesk404@gmail.com)  
[twhelpdesk680@gmail.com/](mailto:twhelpdesk680@gmail.com) [twhelpdesk605@gmail.com](mailto:twhelpdesk605@gmail.com)