

# Notice Inviting e-Tender

For

**Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.**

अखिलभारतीयआयुर्विज्ञानसंस्थान,  
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NIT No.	:	<b><u>AIIMS/BBSR/ENGG. / ELECT. /66/2025</u></b>
Estimated Cost	:	<b>Rs. 29,34,698.00/-</b>
EMD	:	<b>2% of the Estimated Value.</b>
Performance Guarantee	:	<b>5% of Contract Value</b>
Security Deposit	:	<b>2.5% of Tendered Value</b>
Issue Date	:	<b>23/08/2025</b>
Last date of submission	:	<b>15/09/2025 (14.30 hours)</b>
Completion Period	:	<b>45 Days.</b>

“Certified that, this tender document contains 45 **pages** only”.

**Executive Engineer (Electrical)  
AIIMS, Bhubaneswar**

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

**Name of Work : Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.**

**NIT No. : AIIMS/BBSR/ENGG. / ELECT. /66/2025**

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### **INFORMATION AND INSTRUCTIONS TO BIDDERS FOR e-TENDERING**

The Executive Engineer (Electrical) AIIMS, Bhubaneswar, (Phone - 0674 – 2476083, Email - eeel@aiimsbhubaneswar.edu.in) invites on behalf of Executive Director, AIIMS, Bhubaneswar, Percentage Rate Tender in Two (02) Bid system (Technical & Financial) from eligible contractors of CPWD, AIIMS, MES, any central Govt, State Govt., PSU and autonomous body (central and state)\_OEM or Authorised agency of OEM having successfully completed works of similar nature as per eligibility criteria for the following work.

Ser. No.	Description	Details
(a)	NIT No.	<b><u>AIIMS/BBSR/ENGG. / ELECT. /66/2025</u></b>
(b)	Name of Work:	<b>Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO &amp; UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.</b>
(c)	Estimated Cost	<b>Rs. 29,34,698.00/- (Rupees Twenty-nine lakhs thirty-four thousand six hundred ninety-eight only).including GST</b>
(d)	EMD	<b>2% of the Estimated Value.</b>
(e)	Period of Completion	<b>45 days</b>
(f)	Last date and time of online submission of tender	<b>By 15/09/2025 (14.30 hours) through online.</b>
(g)	Last date and time of hard copy submission	<b>By 16/09/2025 (13.00 hours)</b>
(h)	Time and date of online opening of Tender (Technical Bid)	<b>On 17/09/2025 at 15:00 Hours.</b>
(i)	Time and date of opening of Online Financial Bids	<b>Will be Intimated latter through website.</b>
(j)	Period during which <b>hard copies</b> of uploaded documents as Earnest Money Deposit(original), Registration Certificates, Undertaking and other Documents to be submitted to the Executive Engineer (Electrical), AIIMS, Bhubaneswar office by the Bidders for reference. <b>However, the Eligibility will be considered as per uploaded documents.</b>	To be submitted <b>on 16/09/2025 (13.00 hours)</b> duly signed by the bidder in all the pages and Self Certified copies of other Eligibility Documents in the Office of EE (Electrical) within Last date of calling of tender. In case the last day happens to be closed due to holiday, these Documents shall be submitted on the next working day.

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 <https://eprocure.gov.in/eprocure/app> or [www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in) free of cost.
4. For e-Tendering of this Tender, kindly visit website <https://eprocure.gov.in/eprocure/app> E-Tendering Portal: <https://eprocure.gov.in/cppp> For E-tendering Queries contact CPPP Help Desk.
5. The intending bidders must have valid class-III digital signature to submit the bid.

6. The e-tender Processing Fee for submission of bid shall be as per the guidelines of CPP portal.
7. Copies of eligibility documents and Earnest Money Deposit. 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. Contractor must ensure to quote the percentage rate in Performa of quoting rates. In addition to this while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (zero). However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section /sub head in percentage rate tender or each item in item rate tender, the tenderer shall be treated as invalid and will not be considered as lowest tenderer. (Refer Annexure-I)
9. GST on all materials as well as GST on Work Contract etc., or any other taxes applicable in respect of this contract shall be payable by the Contractor. Percentage rate quoted by him shall be inclusive of such taxes, levies etc and Government will not entertain any claim for reimbursement whatsoever in respect of the same. The percentage rates of the contract shall be inclusive of all taxes and levies and nothing extra shall be paid. Further the percentage rate quoted by the contractor shall be inclusive of labour welfare cess, water charges (if applicable), electricity charges (if applicable) and the same shall be recovered from the contractors' bills and will be remitted by the department.
10. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
11. Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
12. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
13. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid.
14. **The bidders are requested to visit the site before submitting the tender.**
16. ***The Bidders shall have to submit original documents of Earnest Money Deposit and self-certified copies of all the scanned and uploaded documents on same day of opening of tender in the office of Tender Opening Authority before online opening of e-Tender. List of Eligibility Documents to be scanned and uploaded within the period of bid submission: -***
  - (a) Demand Drafts/FDR/BG of any scheduled Bank against EMD in favor of AIIMS, Bhubaneswar
  - (b) Annexure – "I to V" & VII duly filled in (Pages 22 to 27 & 29 ref.) and signed.(attach separate sheet if required)
  - (c) Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in under Eligibility Criteria.
  - (d) Certificate of Registration for GST and acknowledgment of up-to-date filed return if required.
  - (e) Copy of PAN Card.
  - (f) **Certificate of financial turn over of last 3 years duly certified from CA:** At the time of submission of bid, bidder may upload affidavit/ certificate from CA mentioning finance turn over for the period specified in the bid document. Further details if required may be asked to the contractor after opening of technical bid. There is no need to upload entire voluminous balance sheet.
  - (g) Copies of the undertaking.
  - (h) Copies of ESI Registration (with latest previous two months submitted challan copy).

- (i) Copies of EPF Registration (with latest previous two months submitted challan copy).
- (j) Declarations to be given by the Tenderers.
- (k) **The bidder has to submit the OEM authorization certificate from any one of the desired make as mentioned in page 29 of tender document. If the bidder has not submitted the OEM authorization certificate his bid will not be considered for technical evaluation.**
- (l) **Declarations to be given by the Tenderers (as per Page 06.).**
- (m) Each page of the e-tender documents should be duly signed with a seal otherwise the bid shall become invalid.

**17. FRAUD AND CORRUPTION:**

- 17.1 The Engineer-in-Charge will reject a proposal for award if he determines that the bidder recommended for award has been engaged in corrupt or fraudulent practices in competing for the contract in question. He will report to the Officer Inviting Bid / next higher authority.
- 17.2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited & the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
- 17.3 The Contractor shall be debarred for any period of time as decided by the AIIMS, Bhubaneswar Authority for the following reason-.
  - (i) If the contractor submits false experience/completion certificates (**refer under Eligibility Criteria**). The department reserves the right to verify the particulars furnished by the applicant independently.
  - (ii) If the contractor fails to commence the work on or before the scheduled date stated in the work order.
  - (iii) Violates any important condition of the contract.
- 18. The Technical Bid(s) shall be opened first by the Committee as per above mention date . The Financial Bid(s), whose Technical Bid) s found to be eligible, will be opened later for which intimation will be given through Website. After the evaluation of the Bid(s) AIIMS, Bhubaneswar will award the contract to the Lowest Evaluated Responsive Tenderer. Conditional Bid(s) will be treated as unresponsive and will be rejected.
- 19. Information & Instruction for Contractor will form Part of NIT.

Executive Engineer (Electrical)  
AIIMS, Bhubaneswar

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

**It is to certify that: -**

(a) I /We have gone through **CPWD 7/8** amended up to correction Slip No.6 as available on **CPWD** website/ [www.eprocedure.gov.in](http://www.eprocedure.gov.in) / [www.aiimsbhubaneswar.edu.in](http://www.aiimsbhubaneswar.edu.in) or in the office of Executive 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 General Rules & Conditions of GCC of Construction works 2023** 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 Performance Guarantee".

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

**Signature of the Tenderer**

**GENERAL CONDITIONS FOR CONTRACT**  
**(CPWD-6 FOR E-TENDERING)**

The Executive Engineer (Electrical), AIIMS, Bhubaneswar invites on behalf of Executive Director, AIIMS, Bhubaneswar, **Percentage** Rate Tender in Two (02) Bid system (Technical & Financial) from eligible contractors of CPWD, AIIMS, MES, any central Govt, State Govt., PSU(**Central/State**) and autonomous body etc or OEM or Authorised agency of OEM. having successfully completed works of similar nature as per eligibility criteria for the following work.

**Name of Work:** *e-Tender for “Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”*

1. The work is estimated to cost **Rs. 29,34,698.00/- (Rupees Twenty-nine lakhs thirty-four thousand six hundred ninety-eight only) including GST.** The estimate, however, is given merely as a rough guide.
2. 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, **“Supply, Installation, Testing and Commissioning of 1000 LPH or above fully automated Centralized RO & UV water purifiers plant in any Central Govt., State Govt., PSU (Central/State) and Autonomous Body (Central/State).”**
3. **Eligibility Criteria.** Indenting Bidder, who fulfill following requirement shall be eligible to apply: -
  - a) **(OEM or Authorised agency of OEM )of Ion Exchange/Eureka Forbes/KENT/Equivalent Make matching the Technical Specifications. The bidders who will quote for the equivalent make have to submit the technical documents in support of their brand offered, for technical bid evaluation.**
  - b) Specialized agencies who have satisfactorily completed Three (03) similar works each of value **not less than 40%** (i.e. for **Rs. 11,73,879.00/-**) of estimated cost put to tender or Two (02) similar works each of value **not less than 60%** (i.e. for **Rs. 17,60,819.00/-**) of estimated cost put to tender or one (01) similar work of value **not less than 80%** (i.e. for **Rs 23,47,758.00/-**) of estimated cost put to tender in **last 07 (Seven) Years** upto the last date of submitting the tender. The similar work means, **“Supply, Installation, Testing, Commissioning of Commercial model Centrized RO Plant of capacity 1000 LPH or above”** The Specialized agency has to submit the OEM authorization certificate from any one of the preferred makes as mentioned in page 22 of tender document. If the bidder has not submitted the OEM authorization certificate his bid will not be considered for technical evaluation.
  - c) The Bidder should have registration up to date with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation.**
  - d) 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 2025**, duly certified by Chartered Accountant.
  - e) The experience of similar work should be from Central Govt., State Govt., PSU and Govt. Autonomous Body, AIIMS, Govt. Hospital.
  - f) Agreements shall be drawn with the successful bidders for item/items on prescribed format. Bidders shall quote their percentage rates as per various terms and conditions of the said form which will form part of the agreement.
  - g) The bid document consisting of plans, specifications, the schedule of quantities of the various type of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents.
  - h) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
  - i) **Average Annual Financial**, the turnover during the last 3 years, ending **31<sup>st</sup> March 2025** should be more than 50% of the estimated cost.
4. **Preparation & Submission of Tender through Online.** **The Tender should be submitted in 02 (Two) parts i.e. Technical Bid and Financial Bid respectively.** The Technical Bid should be sent by the Bidder through online as **“Technical Bid”** for **“Supply, Installation, Testing and Commissioning of 2000 LPH fully**

**automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**

5. **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **2% of Estimate value** by way of Demand Drafts/FDR/BG. **Scanned Copy of the Demand Drafts must be uploaded and the original DD must be submitted** with the Technical Bid documents. Bid(s) received in tender without Demand Drafts of EMD will be rejected. 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. **This is works tender, hence bidders are required to submit EMD.**
6. **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 Scheduled Bank (as per clause-v) in the name of the "All India Institute of Medical Sciences, Bhubaneswar" which shall be kept valid for a period of 6 months beyond completion of all the contractual obligations. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the EMD will be forfeited.  
The Performance guarantee 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. **The 50% of performance guarantee shall be returned to the contractor (without any interest), after recording of the completion certificate for the work by the competent authority. Another 50% of performance guarantee shall be returned to the contractor (without any interest), 12.5% each year after completion of CMC and DLP period (i.e 4 years).**
7. 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.
8. The Tender paper/documents can be seen/downloaded from Official website & submitted through online. For any query, Executive Engineer (Electrical), Phone: 0674 – 2476083, AIIMS, Bhubaneswar, may be contacted.
9. The Executive 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.
10. 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.
11. The Executive 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.
12. The contractor shall not be permitted to bid for works in the AIIMS, Bhubaneswar responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of person who are working with him in any capacity or are subsequently employed by him and who are near relative of any gazetted officer in the AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
13. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as afore said before submission of the bid or engagement in the contractor's service.



14. The bid for the works shall remain open for acceptance for a period of 180 days from the date of opening of bids.
15. This notice inviting bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of “(A) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto & (B) Standard CPWD Form-7.”
16. **The followings amount are included in the tendered cost.**
  - (a) Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor. (Will be released to Contractor after successful completion of DLP Period which is 5 years from the completion of the work)
  - (b) The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.
  - (c) The quoted Rates shall be inclusive of GST.
  - (d) If Electricity from AIIMS Bhubaneswar is used by the vendor, then the vendor shall be charged for the electricity consumed as per the relevant rates. The vendor shall provide the Energy Meter for calculation of the actual unit consumed.
  - (e) Labour CESS @ 01% will be deducted from the Bill.
  - (f) Water Charges @1% of the Gross bill amount will be deducted if the water supply is taken from AIIMS Department.
17. **Mode of Payment:**
  - (a) **100% payment except the amount of CMC will be released after due verification of bill by Engineering-in Charge or his representative after the completion of SITC of centrized RO Plant. The deduction of 2.5% towards security deposit and other deduction towards taxes as per Government of India/AIIMS rule will be made from the bills. The deduction of 2.5% towards security deposit shall be released after successful completion of defects liability period and CMC period i.e. four year from the date of completion of SITC of centrized RO Plant, without any interest thereupon.**
  - (b) **The payment against CMC during the contract period shall be made against Half-yearly running bills of the accepted amount for CMC subject to satisfactory maintenance of the installation and submission of all formats as provided by the Engineer-in-Charge duly filled and accepted by Engineering-in Charge or his representative of the work. The Security Deposit @ 2.5% of gross amount of the bill shall be deducted from the running bills, which shall be released after successful completion of CMC period i.e. six months from the date of completion of CMC work, without any interest thereupon.**
  - (c) **It will be mandatory for the bidders to indicate their bank account number and other relevant e-payment details so that payment could be made through RTGS/ Other mechanism.**
  - (d) **Vendor shall submit following documents along with the Final Bill after execution of SITC work:**
    - (a) SITC Work Completion declaration.
    - (b) Testing & Commissioning Certificate (If any).
    - (c) Warranty/Guarantee Certificate
    - (d) Water Testing Certificate from NABL accreditation lab.
    - (e) Colour Photos of Executed work at different stages on glossary paper
    - (f) No-Claim Certificate (NCC) regarding work
    - (g) GST return up to date Voucher.
    - (h) Bank Account Details
18. **The vendor need to submit the Water Testing Certificate from NABL accreditation lab in every six months in the DLP and CMC period (i.e in 4 years).**
19. **GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.**

20. **Penalty:** (A) All SITC work shall be completed within 45 Days from the date of issue of work Order. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 1% per month of delay to be computed on per day basis as per clause 2 of CPWD GCC shall be levied subject to maximum of 10% of the total tender value.

(B) Any complaints during the defects liability period i.e. one year from the date of completion of SITC of centralized RO Plant regarding the non-functionality of the Centralized RO plant or hydropneumatic pump must be rectified within 72 hours, failing which a penalty of Rs 1000/- per day shall be deducted from the Security deposit.

(C) Any complaints during the CMC period, regarding the non-functionality of the Centralized RO plant must be rectified within 72 hours, failing which a penalty of Rs 1000/- per day shall be deducted from the RA bill of CMC.

21. **Goods and Services Tax (GST).**

(a) GENERAL REMARKS ON TAXES & DUTIES: In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.

(b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.

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

22. The 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.

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

24. **Termination of Contract.** AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff 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.

25. **Arbitration.** The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on the both parties.

26. **Dispute Settlement.** It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Executive Director, AIIMS, BHUBANESWAR whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

**Executive Engineer (Electrical)  
AIIMS Bhubaneswar**

## CONDITIONS FOR ELECTRICAL & RO PLANT WORKS

### GENERAL CONDITIONS

1. Name of the work: **“Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**
2. For all items of Electrical, RO Plant, & Plumbing; CPWD specifications with correction slips up to the date of receipt of tender shall be followed. For the items which are not covered under CPWD specifications; the special conditions /B.I.S. specifications shall apply. In this regard the decision of Engineer-in- charge shall be final & binding.
3. Wherever any reference is made of any Indian Standard, it shall be taken as reference to the latest edition with all amendments / revision issued thereto up to the date of receipt of tenders.
4. Unless otherwise specified, the agreement rates for all items of work of the schedule of quantities are for all heights, depths, leads and lifts involved in the execution of work
5. Other agencies working at site will also simultaneously execute the work entrusted to them and the contractor shall offer necessary co-operation wherever required to other agencies.
6. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the program for execution accordingly, for which nothing extra shall be paid.
7. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, Labor Laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.
8. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall not be allowed to erect any temporary set up for staff in the campus.
9. No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services etc.
10. The contractor shall have registration with Employee's Provident Fund commissioner and Employee's state Insurance Corporation for safe guarding interest of his workmen. He shall obtain all other necessary approvals from statutory bodies as per law in vogue.
11. All T&P, ladders/Hydra etc, Electrical & Plumbing instruments for execution of work, consumable and Contingent Articles required for execution of the work shall be arranged by the contractor.
12. Staff employed by the contractor should be well behaved, polite & courteous. Any complaint against staff on behavior should be taken very seriously and such staff should be removed by the contractor immediately from the site and replacement shall be provided immediately.
13. All dismantled material will be removed from site by contractor after verification of measurement of the same by JE./AE.
14. The contractor shall make all safety arrangement required for the labor engaged by him at his own cost. All consequences due to negligence or due to lapse of security/safety or otherwise shall remain with the contractor. The department shall not be responsible for any mishap, injury, accident or death of the contractor's staff. No claim in this regard shall be entertained / accepted by the department. Also, Contractor is responsible to the damage caused to any man/material other than his team during execution and AIIMS will not be responsible for that.
15. Contractor shall be fully responsible for any damages caused to govt. property or allotter's property by his or his labor in carrying out the work and shall be rectified by the contractor at his own cost.
16. GST and other Taxes as applicable shall be recovered/paid from the contractor's bill as per Govt. of India/AIIMS Rules.
17. Security Deposit of 2.5% of the Contract Value will be deducted from the final Bills.
18. All the work Supply, Installation, testing And Commissioning shall be completed within **30 days** from the date of issue of work Order by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 1% per month of delay to be calculated on per day basis, shall be levied subject to maximum of 10% of the total order value.
19. Chases, holes & drilling works etc. shall be done using power operated tools in the cost of Contract. No extra will be paid for the same.

20. In the case of discrepancy between the schedule of quantities, the Specifications and/or the Drawings, the following order of preference shall be observed: -
- a. Description of schedule of quantities.
  - b. Additional specifications and special conditions, if any.  
 I Indian standards specifications/BIS. (vii) Sound engineering practice. Any reference made to any Indian standards specifications in these documents, shall imply to the latest version of that standard, including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
21. The agency shall restore back the premises and other articles provided by the department to the department at the time of closure of the contract.
22. No permanently /temporary huts /structures shall be constructed by the Agency at the site of work or at any government land/premises. Such structures, if any, found at the site or at AIIMS Bhubaneswar land shall be demolished and removed at the cost of the agency without any notice.
23. Any damage to the building structure, fittings or any other articles etc. done by the Agency on his workman during the execution of the work shall be made good by the Agency at his own cost.
24. The Agency shall clear the site property after the completion of the work.
25. Payment shall be made on after successful completion of work and due Certification of the Bills by the Engineer-in-Charge.
26. Agency has to ensure safety and provide adequate supervision/precautions during the work.
27. During working at site, some restrictions may be imposed by Engineer-in-Charge/Security staff of Corporation or Local Authorities regarding safety and security etc., the Agency shall be bound to follow all such restrictions/instruction & nothing extra shall be payable on this account & no claim for delay on this account shall be entertained.
- 28. The tender shall be based on Conditions of Contract and tenderers are required to quote their own Percentage rates above/below against schedule of quantities, which is enclosed. All rates shall remain firm for the contract period/extended contract period.**
- 29. If the Agency fails to proceed with the work within the stipulated time as specified from the date of issue of letter of intent/letter to proceed with the work, the Department shall forfeit the earnest money and PBG deposited by him along with the tender.**
30. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
31. **Packing:** The supplier shall provide such packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit.
32. A copy of tender documents and all relevant drawings and specifications viz. Indian standards, latest CPWD specifications etc. shall be made available at site if & when asked for reference.
33. The work shall be carried out strictly as per the attached technical specifications, approved make relevant IS specifications, Indian Electricity Rules & National Electrical Code.
34. The scope of work includes all minor building works required for execution work such as cutting of wall etc. and making good the same. Nothing extra will be paid to Agency for the same.

- 35 The watch and ward of material and installation shall rest on the part of Agency during execution of work and till handing over of the same after completion of work in accordance with schedule of work.
- 36 The Agency will take care of the building etc. while handling / installing the equipment to avoid damages to the building. If any damages occur during execution of work, it shall be made good by Agency without any extra cost.
- 37 Dismantled/ un-used materials to be deposited at Engineering Dept. by the Firm.
- 38 Minor welding work as and when required to be carried out by the Agency.
- 39 The all electrical works to be done as per I.E rule 1956 and its latest update.
- 40 **Warrantee/Guarantee: onsite warrantee/Guarantee certificate shall be provided for Four years on all items of the BOQ.** Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor and which will be released to Contractor after successful completion of DLP Period+ CMC Period which is 4 years form the completion of the work.
- 41 All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged by the Agency before starting the job.
- 42 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.
- 43 **Site engineer as per clause 32 of Proforma of Schedules shall be deployed at site for supervising the work. The Site engineer as per clause 32 should not be absent when work is in progress.**

#### **GENERAL CONDITIONS FOR SUPPLY OF MATERIALS**

1. **The materials shall be as per CPWD specifications with up to date correction slip and ISI specifications wherever mentioned and as per list of approved makes and specification (enclosed).**
2. In the event of any variation between CPWD specifications and that in the IS code the former shall take precedent over the later. In the event of variation between the nomenclature of item as per schedule of quantities and specifications, the former shall prevail.
3. **The sample of all the items shall have to be got approved by the Agency from the Engineer-in-Charge/Executive Engineer before the supply commences. The approval of sample shall be only in respect of workmanship and finish, and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received as per additional conditions. This decision is the prerogative of Engineer-in-Charge.**
4. The Agency shall furnish the manufacture's certificate that the material supplied satisfy the requirements of the relevant specifications.
5. **Any defect/ damage observe at the time of material supply, the material will be replaced by new one.**
6. The Engineer-in-Charge shall be at liberty to test respective sample(s) of each item from schedule of quantity in any approved laboratory as decided by him. The sample for testing shall be provided by the Agency. The testing charge in respect of satisfactory test shall be borne by the Agency. All other expenditure required to be incurred for making available the sample conveyance and packing etc., shall be borne by the Agency himself. In case any sample of particular lot fails in testing the Agency shall be bound to replace the entire lot with fresh material of prescribed specifications and the rejected lot shall only be returned to the Agency after fresh lot is supplied.

7. After completion of work, the defective and damaged materials (Spare/Equipment/Scraps) shall be handed over to the AIIMS Authority or to be removed by the Agency at his own cost.
8. In case of any dispute regarding rejection of quantity of materials, the decision of Engineer-in-Charge shall be final and binding up on the Agency.
9. Specialized services as indicated in the contract must be done through authorized dealer or service centre or manufacturer only. The Agency will submit the GST invoice for the equipment's or spares purchased from manufacturer or authorized dealer. Similarly, for services the agency shall submit the service report from authorized service centre or dealer for processing the payment.

**Executive Engineer (Electrical)**  
**AIIMS Bhubaneswar**

**SIGNATURE OF THE CONTRACTOR**

**SPECIAL CONDITIONS**

1. Any facility not mentioned in this scope, but which is vital to **“Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”** Are assumed to be included in the scope of work.
2. Contractor has to ensure safety and provide adequate supervision/precautions.
3. During working at site, some restrictions may be imposed by Engineer-in-Charge/Security staff of Corporation or Local Authorities regarding safety and security etc., the contractor shall be bound to follow all such restrictions/instruction & nothing extra shall be payable on this account & no claim for delay on this account shall be entertained.
4. No compensation shall be payable to the contractor for any damage caused by rains lightening, wind, storm, floods Tornado, earth quakes or other natural calamities during the execution of work. He shall make good all such damages at his own cost; and no claim on this account will be entertained.
5. The tender shall be based on Conditions of Contract and tenderers are required to quote their own rates against each item in schedule of quantities, which is enclosed. All rates shall remain firm for the contract period/extended contract period.
6. If the contractor fails to proceed with the work within the stipulated time as specified from the date of issue of letter of intent/letter to proceed with the work, the Contractor shall be debarred from AIIMS tender for one year.
7. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
8. Packing: The supplier shall provide such packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit.
9. **DRAWING AND SPECIFICATIONS**  
A copy of tender documents and all relevant drawings and specifications viz. Indian standards, latest CPWD specifications etc. shall be made available at site if & when asked for reference.
10. **COST OF TESTS**  
  
The cost of preparing samples and carrying out tests for quality of material or workmanship will be borne by the contractor except for such exclusions as are specifically mentioned in the specifications laid down in contract. The cost of all test carried out by Laboratories directed by the Engineer-in-Charge will be borne by the contractor.
11. The work shall be carried out strictly as per the attached technical specifications, relevant IS specifications, Indian Electricity Rules & National Electrical Code.



12. The contractor has to get the material approved from the Engineer-in-Charge before its procurement and actual use at site of work.
13. The scope of work includes all minor building works required for execution work such as cutting of wall etc. and making good the same. Nothing extra will be paid to contractor for the same.
14. The watch and ward of material and installation shall rest on the part of contractor during execution of work and till handing over of the same after completion of work in accordance with schedule of work.
15. The contractor will take care of the building etc. while handling / installing the equipment to avoid damages to the building. If any damages occur during execution of work, it shall be made good by contractor without any extra cost. Scaffolding / hydra crane work will be under the scope of the vendor with no extra cost.
16. Existing structure materials on good condition may be used after joint inspection by AIIMS representatives & vendor.
17. Dismantling non-used materials to be deposited at Engineering Dept. by the Firm.
18. The agency has to deposit the test certificates of the material used, issued by OEM/authorize testing agency during approval period.
19. **The defects liability period i.e. one year from the date of completion of SITC of centrized RO Plant:-**
  - (i) **The bidder will attendet all copmlaints and supply all consumable and replace/rectify all defective parts during the defects liability period i.e. one year from the date of completion of SITC of centrized RO Plant.**
  - (ii) The bidder will provide training to the system operator. The bidder shall ensure monthly inspection of the equipment by OEM/OEM authorized agency **during the defects liability period i.e. one year from the date of completion of SITC of centrized RO Plant.**
  - (iii) The bidder will be responsible for the supply of all consumables/ PCB/cards/motors/pumps/all types of filters/RO filter/MEMBRANE/led display/chemicals, and any other material required to provide effective services **during the defects liability period i.e. one year from the date of completion of SITC of centrized RO Plant**, no extra payment will be done by AIIMS, Bhubaneswar.
  - (iv) The bidder shall provide trained manpower during the maintenance to maintain the equipment, change filters, and refill chemical storage tanks. Maintaining the required uptime of all the systems to ensure the provisions of quality services.
  - (v) **Any complaints during the defects liability period i.e. one year from the date of completion of SITC of centrized RO Plant regarding the non-functionality of the Centralized RO plant or hydropneumatic pump must be rectified within 72 hours, falling which a penalty of Rs 1000/- per day shall be deducted from the Security deposit.**
20. **The CMC i.e. Three year from the date of completion of defects liability period:-**
  - (i) **The bidder will attendet all copmlaints and supply all consumable and replace/rectify all defective parts during the CMC period i.e. Three year from the date of completion of defects liability period.**
  - (ii) The bidder will be responsible for the supply of all consumables/ PCB/cards/motors/pumps/all types of filters/RO membrene/led display/chemicals, and any other material required to



provide effective services during the CMC period i.e. Three year from the date of completion of defects liability period.

- (iii) The bidder shall provide trained manpower during the maintenance to maintain the equipment, change filters, and refill chemical storage tanks. Maintaining the required uptime of all the systems to ensure the provisions of quality services.
- (iv) Any complaints during the CMC period, regarding the non-functionality of the Centralized RO plant must be rectified within 72 hours, failing which a penalty of Rs 1000/- per day shall be deducted from the RA bill of CMC.

21. The reject water should not exceed 50%.

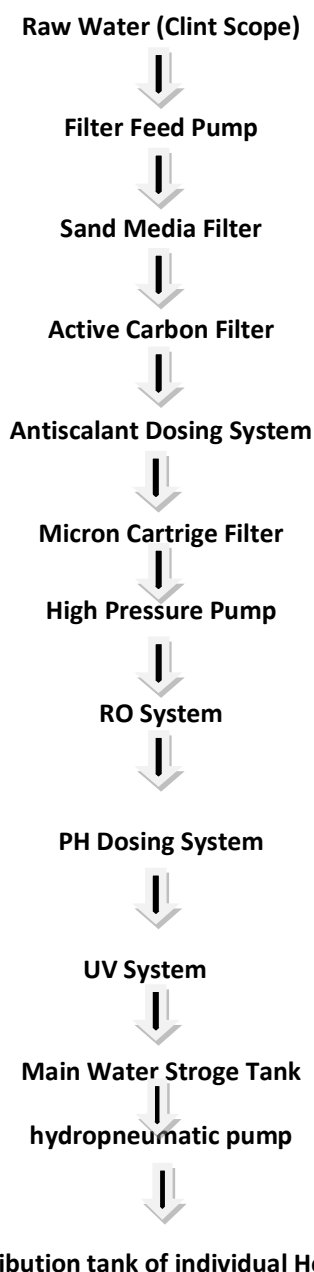
Executive Engineer (Electrical)  
AIIMS Bhubaneswar

**SIGNATURE OF THE CONTRACTOR**

## TECHNICAL SPECIFICATION & SCOPE OF WORK

1. **Name of Work:- “Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**
2. **OutPut water :-** The desired water quality supplied from the plant shall meet the drinking water standard stipulated by BIS/WHO and shall be ensured by submitting the test certificate furnished by govt. approved laboratory.
3. **Introduction**

The Proposed Reverse Osmosis plant has been designed to produce 2000 LPH from Raw water (Two Sets). The proposed Reverse Osmosis plant consists of flowing constituents.



The Reverse Osmosis system works on the Principle of the natural phenomenon of OSMOSIS PROCESS. Since OSMOSIS PROCESS is reversed by external pressure the process is termed as REVERSE OSMOSIS. Reverse Osmosis is a water purification process in which water is forced by pressure through a semi-permeable membrane.

#### 4. Drinking Water Quality at the Outlet of RO System

1. PH Value – 6.5 to 8.0
2. TDS – 75 to 250 ppm
3. Colour – Colourless
4. Odour – Odorless
5. Drinking water should free from Bacteria, Spores, Viruses etc.

#### 5. PROCESS DESCRIPTION

**Multi Grade Sand Media Filter** - The raw water will be passed through Sand Media filter for removal of suspended solids. The media provided for the same is sand and anthracite. The filter will be backwashed by indication of increase pressure drop and / once per day.

**Activated carbon Filter** - Water from pressure sand filter is passed through the activated carbon filter where all the color and odor get removed.

**Dosing System** - The anti-scalant chemical is added online to protect the membrane from scaling/fouling.

**Micron Cartridge Filter** - The raw water is passed through Micron Cartridge Filter. The pore size of cartridges is 5 µm.

**UV system** - Ultraviolet energy causes permanent inactivation of micro-organisms by disturbing DNA so that they are no longer able to maintain metabolism or reproduce. All bacteria, spores, viruses and protozoa are permanently inactivated by UV.

**RO System** - Reverse Osmosis (RO) is the tightest possible membrane process in liquid/liquid separation. Water is in principle the only material passing through the membrane; essentially all dissolved and suspended material is rejected. Osmosis separates impurities from water by passing it through a semi-permeable membrane. The semi-permeable membrane allows only very small atoms and groups of atoms (such as water molecules, small organic molecules and gases) to pass through it.

**Hydropneumatic pump** – Cascade HYPN system with 2 numbers Vertical In – Line Multistage pumps with SS Impeller & SS Shaft coupled with 2900 RPM, 3-phase, 2.2 kW IE2 Motor (1 Working + 1 Stand by) of Head 65-70 meter, at Flow rate 80 LPM. With Additional Accessories like MS Galvanized HYPN Skid with Suction & discharge header assembly having Butterfly Valve & NRV with pressure Transducer & Pressure gauge, along with Cascade Automation control panel with single VFD make: DELTA with inbuilt PLC. And with following Accessories. A. SITC of 100 Ltr MS pressure tank of pressure rating PN 10.

B. SITC of Float Level sensor to be installed in UGT Tank for Dry Run Protection.

C. SITC of 14 Nos. of 50 mm Pressurized Ball cock to be installed in the discharge out let at all OHT for Auto closure & open of discharge outlet as per the level of the OHT.

D. Base frame with Damping pad and others Accessories as required.

The hudropneumatic pump system need to sence the pressure of the water inside the pipe and switch ON & Off accordingly. Again it should have control panel with Dry run protection (Float switch), Pressure gauge, Discharge header, Suction header, NRV, Isollation valves, Base frame, etc as required.

#### CMC of 2000 LPH fully automated Centralized RO & UV water purifiers plant:

1. The bidder will be responsible for the supply of all consumables/ PCB/cards/motors/pumps/all types of filters/RO membrane/led display/chemicals, and any other material required to made functional and provide effective services during the CMC period.
2. The vendor need to change all filters & chemicals once a year of all two RO water purifiers.
3. The vendor need to change RO membranes once within 1<sup>st</sup> year of CMC period of one 2000LPH RO plant and within 3 year of CMC period of another 2000LPH RO plant irrespective of the condition of the RO membrane.
4. Any complaints during the CMC period, regarding the non-functionality of the Centralized RO plant or hydropneumatic pump must be rectified within 72 hours.

## Technical specification (2000LPH RO plant &amp; Hydropneumatic pump)

Sl. No.	Item	Description	Technical specification
1	<b>SITC of 2000 LPH RO &amp; OV Plant</b>	Raw Water Feed Pump	2 HP, 3-phase Centrifugal Mono-block Pump, upto 4800 LPH.
		Multi grade Sand Filter	Flow Rate upto 8000 LPH Size of pressure vessel – 21” x 62” , 4” top opening Duration of backwash – 10mint. Media type- High-Grade Sand , Garnet & Coarse Silex Valve- Fully Programmable automatic valve powered by 24 VDC/1,5 adaptor
		Activated Carbon Filter	Flow Rate upto 8000LPH Size of Pressure Vessel- 21” x 62” Duration of backwash-10 mint. Filter media Qty-110 kgs. Valve- Fully Programmable automatic valve powered by 24 VDC/1,5 adaptor
		Antiscalant Dosing System	Discharge 4-6 lt/hr, capacity-60-80 lt. Pressure – 4 kg/CM2
		Micron Cartridge Filter	Cartridge Rating – 5 micron MOC Of Cartridge – PP Flow Rate 2.86-4.0 m3/hr.
		High Pressure Pump	Type – 3-phase Vertical Multi stage centrifuge pump Service Flow – Flow Rate upto 4000 LPH MOC-SS 304
		Reverse Osmosis System	Quantity : 1 No. Permeate capacity : 2000 LPH Membrane Specification : Recovery rate upto 30%, Demensin 1500 mmX1100 mm X 2100mm Equivalent No. of Membranes : upto 8 nos.
		pH Dosing System	Quantity : 1 No. Type : Electro-magnetic. Capacity : 0-1.5 LPH. Discharge Pressure : 2.5 kg/cm2. Dosing Tank 1 Nos. Capacity : 60 lit. Material of Construction : LLDP
		UV system	Quantity : 1 No Capacity : 5000 LPH, 230V, 50Hz, Size- 3ft Age- 16000Hr. MOC- SS 304.
		Instruments	Pressure gauges : 5 No. Pressure switches : 6 Nos. Conductivity meter : 1 Nos. ( built in panel ) Flow indicators : 1 Lot Level switch : 1 Lot
		LED Display	Show Flow rate, TDS value and any fault
		Pipes	Chlorinated Polyvinyl Chloride (CPVC) pipes & brass bib cock
	<b>Hydropneumatic pump</b>		Cascade HYPN system with 2 numbers Vertical In – Line Multistage pumps with SS Impeller & SS Shaft coupled with 2900 RPM,3-phase, 2.2 kW IE2 Motor (1 Working + 1 Stand by) of Head 65-70 meter, at Flow rate 80 LPM. With Additional Accessories like MS Galvanized HYPN Skid with Suction & discharge header assembly having Butterfly Valve & NRV with pressure Transducer & Pressure gauge, along with Cascade Automation control panel with single VFD make: DELTA with inbuilt PLC. And with following Accessories. A. SITC of 100 Ltr MS pressure tank of pressure rating PN 10. B. SIT—of Float level sensor to be installed in UGT Tank for Dry Run Protection.

			<p>C. SITC of 14 Nos. of 50 mm Pressurized Ball cock to be installed in the discharge out let at all OHT for Auto closure &amp; open of discharge outlet as per the level of the OHT.</p> <p>D. Base frame with Damping pad and others Accessories as required.</p> <p>The hudropneumatic pump system need to sence the pressure of the water inside the pipe and switch ON &amp; Off accordingly. Again it should have control panel with Dry run protection (Float switch),Pressure gauge,Discharge header,Suction header,NRV,Isollation valves,Base frame, etc as required.</p>
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#### List Of Prefered Make

Sl. No.	Description of Items	Make
1	Chlorinated Polyvinyl Chloride (CPVC) pipes	Ashirvad/Finolex/Supreme
2	brass bib cock	Jaquare/Hidnware/Asian paint
3	Raw water Pump	CRI/Kirlosker/KSB/ Leo
4	High Pressure Pump	CRI/CNP/Sumo/grundfosh/ KBL / Leo
5	UV System	Alpha/ Philips/ACE Hygiene/Equivalent
6	Dosing pump	Ion Exchange/E-Dose/Equivalent
7	RO membranes	Johnson/LG/Hydraunatic/Dow/ion Exchange
8	Active Carbon filter	INDION/Eureka Forbes/Wave Cyber/Equivalent
9	Micron Filter	Amete/INDION/Osmotic/ Eureka Forbes/Equivalent
10	Control Panel	L&T/Schinder/ Siemens/ABB
11	Volt meter, Ameter	L&T/ABB/Schinder/Siemens
12	Pressure Gauges	Baumer/ / Waree / Wika/Equivalent
13	Rota meter	Micro Technology/ ELECTROPRIME/Aster/Equivalent
14	Pressure vessel	Pentair/Equivalent
15	Pressure Switch/Level Switch	Aster/ Equivalent
16	<b>Hydropneumatic pump</b>	KSB/Kilosker/CRI

**Note: The make approval must be taken from Engineer-in-charge/ExecutiveEngineer(Electrical) before installation.**

**Annexure – I****CPWD Form-7**

**All India Institute of Medical Sciences**  
**Engineering Branch, Bhubaneswar (Odisha)-751019**

[www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in)

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

E-Tender for the work of: **“Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. : **As per above mention date.**
- (b) Time and date of opening of Online Financial Bids. : **To be intimated latter**

**TENDER**

I/We have read and examined the notice inviting tender, schedule A, B, C, D, E & F, 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.

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

I/We agree to keep the tender open for ~~90 days from the due date of its opening in case of single bid system/~~ **180** from the date of opening of technical bid in case tender are invited on 2/3 bid/system for specialised work and not to make any modification in its terms and conditions.

I/we have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Scheduled Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successor, 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 the work as specified, I/We agree that President of India or the successor in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute

all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/we shall be debarred for participation in the tenders of AIIMS, Bhubaneswar for 1 (one) year.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in AIIMS, Bhubaneswar 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.

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 & integrity of the Sate.

Dated: \*

Signature of Contractor

Witness: \*

Address: \*

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

**ACCEPTANCE**

The above tender is accepted by me for and on behalf of the Executive Director, AIIMS, Bhubaneswar for a sum of Rs.----- (Rupees -----).

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

(a)

(b)

(c)

For & on behalf of the Executive Director,

AIIMS, Bhubaneswar

Dated:

Signature:-----

Designation: -----



**Annexure – II****AFFIDAVIT**

(To be submitted on Rs. 10/- 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 Performance Guarantee”.*

Business Address: -

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

Name:

(Signature of Bidder with Firm's Seal)

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

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

**Annexure – III****FORM FOR FINANCIAL INFORMATION**

(Financial Analysis)

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	2022-23	2023-24	2024-25

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

**Annexure – IV****FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS****COMPLETED DURING THE LAST 07 (SEVEN) YEAR**

(I.e. FOR THE YEAR ENDING last date of submission)

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)	(i)	(j)
1.									
2.									
3.									
4.									
5.									
6.									
7.									

- The bidder must fill the form (attach Separate sheet if required)

(Authorized Signature of the Bidder with Seal)

**Annexure – V****FORM FOR DETAILED INFORMATION BY BIDDER**

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

(Authorized Signature of the Bidder with Seal)

**Annexure – VI****FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)**

1. In consideration of the Executive 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 undertakes to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

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

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

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

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

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

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

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

(Indicate the name of the bank)

**Form for OEM(Original Equipment Manufacturur) Authorization**

dated \_\_\_\_\_

To,  
The Executive Engineer (Electrical)  
All India Institute of Medical Sciences,  
AIIMS Bhubaneswar

Tender No. \_\_\_\_\_

Dated. \_\_\_\_\_

Name of the work of: **“Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**

Equipment Name:

Dear Sir/Madam:

1. We ..... (Name of the OEM) are the original manufacture of the above equipment having registered office at ..... (Full address with telephone numbers/fax participating in this tender no ..... do hereby authorize M/S ..... (Name and address of bidder) who is our .....to submit the tenders, and subsequently negotiate and sing the contract with you against the above tender no .....
2. M/s ..... authorized to bid, and conclude the contract for the above goods manufactured by us, against this specific tender no.
3. We also hereby undertake to provide full guarantee/warrantee to provide design, drawing, approvals, necessary support for veeting as per conditions of this contract and uninterputed supply of materials and give necessary period of guarantee/warrantee on the material as agreed by the bidder in the event the bidder is changed or the bidder fails to provide satisfactory after sales and service during such period of Comprehensive Warranty/ period of Contract and to supply all the spares/ accessories / consumables / material / software upgrades/ labour etc. during the said period.
4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipment tendered within the stipulated time, and also provide service to it.

Name

For and on behalf of M/S .....

Yours faithfully,

(Name)

(Name of manufacturers)

Date: -

Place: -

**Note:** This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

**Annexure – VIII**

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

This Agreement is made at.....on this.....day of.....2025.

**BETWEEN**

AIIMS, Bhubaneswar represented through Superintending Engineer, AIIMS, BHUBANESWAR, ....., (Hereinafter referred as the) (Address) “**Principal/Owner**”, which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

**AND**

..... (Name and Address of the Individual/firm/Company) through..... (Hereinafter referred to as the (Details of duly authorized signatory)

“**Bidder/Contractor**” and which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

**Preamble**

WHEREAS, the Principal/Owner has floated the Tender (NIT No. **AIIMS/BBSR/ENGG. / ELECT. /66/2025**) (here in after refer red to as “**Tender/Bid**”) and intends to award, under laid down organizational procedure, contract for: “**Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.**” herein after referred to as the “**Contract**”.

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

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

The Tender value which has been accepted by CA for the work/contract is Rs \_\_\_\_\_/ - ( Rupees \_\_\_\_\_ only)

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

**Article - 1: Commitment of the Principal/Owner.**

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

the following principles:

- (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender processor the Contract execution.
- (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

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

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

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

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

- (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind what so ever during the Tender process or during the execution of the Contract.
- (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
- (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

- (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/her reputation or property to influence their participation in the tendering process).

### **Article - 3: Consequences of Breach.**

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

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article-2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may before vigor for a limited period as decided by the Principal/Owner.**
2. **Forfeiture of Performance Guarantee/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Performance Guarantee and Security Deposit of the Bidder/Contractor.
3. **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

### **Article - 4: Previous Transgression.**

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.



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

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

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

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

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

**Article - 6: Duration of the Pact.**

1. This Pact begins when both the parties have legally sign edit. It expires for the Contractor/Vendor 12 months after the completion of work under the contractor till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

**Article - 7: Other Provisions.**

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the Tender.

2. Changes and supplements need to be made in writing. Side agreements have not been unmade.

3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4. should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

**Article - 8: Warrantee/Guarantee: onsite warrantee/Guarantee certificate shall be provided for Four years on all items of the BOQ.** Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor and which will be released to Contractor after successful completion of DLP Period+CMC period which is 4 years form the completion of the work.

**Article - 9: Terms and Conditions of Payment.**

**(a) 100% payment except the amount of CMC will be released after due verification of bill by Engineering-in Charge or his representative after the completion of SITC of centrized RO Plant. The**

deduction of 2.5% towards security deposit and other deduction towards taxes as per Government of India/AIIMS rule will be made from the bills. The deduction of 2.5% towards security deposit shall be resleased after successful completion of defects liability period and CMC period i.e. four year from the date of completion of SITC of centrized RO Plant, without any interest thereupon.

- (b) The payment against CMC during the contract period shall be made against Half-yearly running bills of the accepted amount for CMC subject to satisfactory maintenance of the installation and submission of all formats as provided by the Engineer-in-Charge duly filled and accepted by Engineering-in Charge or his representative of the work. The Security Deposit @ 2.5% of gross amount of the bill shall be deducted from the running bills, which shall be released after successful completion of CMC period i.e. six months from the date of completion of CMC work, without any interest thereupon.
- (c) It will be mandatory for the bidders to indicate their bank account number and other relevant e-payment details so that payment could be made through RTGS/ Other mechanism.
- (d) GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.
- (e) The Following documents as applicable shall be produced in physical and self-attested soft copy in pdf format shall be submitted though the e-mail to Engineer-in-Charge by the Agency with the invoice and bill:
  1. Copy of invoice.
  2. Work Completion Certificate
  3. Testing & Commissioning Certificate
  4. Material Test Certificate
  5. Water Testing Cerificate from NABL acredation lab.
  6. Warranty/Guarantee Certificate
  7. Colour Photos of Executed work at different stages on glossary paper
  8. No-Claim Certificate (NCC) regarding work
  9. GST return up to date Voucher.
  10. Bank Account Details
  11. Clause-32 certificate for engagement of technical staff.

#### **Article - 10: Penalty:**

(A) In case of any failure of / delay in services the penalty shall be invoked as per Clause-2 of GCC of CPWD works-2020, by the as per schedule F. All SITC work shall be completed within 30 Days from the date of issue of work Order. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 1% per month of delay to be computed on per day basis Clause-2 of GCC of CPWD works-2020 shall be levied subject to maximum of 10% of the total tender value.

(B) Any complaints during the defects liability period i.e. one year from the date of completion of SITC of centrized RO Plant regarding the non-functionality of the Centralized RO plant or hydropneumatic pump must be rectified within 72 hours, falling which a penalty of Rs 1000/- per day shall be deducted from the Security deposit.

(C) Any complaints during the CMC period, regarding the non-functionality of the Centralized RO plant must be rectified within 72 hours, falling which a penalty of Rs 1000/- per day shall be deducted from the RA bill of CMC.

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

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

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

WITNESSES:

1. ....  
(Signature, Name and address)

2. ....  
(Signature, Name and address)

Place :

Dated :

**PROFORMA OF SCHEDULES****SCHEDULE 'A'****Schedule of quantities: - (ENCLOSED at Page 39)****SCHEDULE 'B'****Schedule of materials to be issued to the contractor.**

<b><u>Ser. No.</u></b>	<b><u>Description of item</u></b>	<b><u>Quantity</u></b>	<b><u>Rates in figures &amp; words at which the material will be charged to the contractor</u></b>	<b><u>Place of issue</u></b>
<b><u>(1)</u></b>	<b><u>(2)</u></b>	<b><u>(3)</u></b>	<b><u>(4)</u></b>	<b><u>(5)</u></b>
<b><u>NIL.</u></b>				

**SCHEDULE 'C'****Tools and plants to be hired to the contractor**

<b><u>Ser. No.</u></b>	<b><u>Description</u></b>	<b><u>Hire charges per day</u></b>	<b><u>Place of Issue</u></b>
<b><u>(1)</u></b>	<b><u>(2)</u></b>	<b><u>(3)</u></b>	<b><u>(4)</u></b>
<b><u>NIL</u></b>			

**SCHEDULE 'D'****Additional Condition and specifications: Enclosed.****SCHEDULE 'E'****(Reference to General conditions of Contract.)**

Name of Work : **“Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**

Estimated Cost of Work **Rs. Rs. 29,34,698.00/-** (Rupees Twenty-nine lakhs thirty-four thousand six hundred ninety-eight only) including GST.

- |     |                       |   |                                      |
|-----|-----------------------|---|--------------------------------------|
| (a) | Earnest Money         | = | <b><u>02% of Estimated Cost.</u></b> |
| (b) | Performance Guarantee | = | <b><u>05% of Tendered Value</u></b>  |
| (c) | Security Deposit      | = | <b><u>2.5% of Tendered Value</u></b> |

**SCHEDULE 'F'****GENERAL RULES & DIRECTIONS:**

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

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined: -

In accordance with Clause -12.2 &12.3 = 100%

**Definitions****See below**

2 (v)	Engineer-in-Charge	Executive engineer , Electrical AIIMS, Bhubaneswar
2(viii)	Accepting Authority	Executive Director AIIMS, Bhubaneswar
2(x)	Percentage on cost of materials and labor to cover all over heads and profit	15%
2(xi)	Standard Schedule of Rates	Central Public Works Department Delhi Schedule of Rates (E & M) - 2022 with up to date correction slips
9(ii)	Standard AIIMS Contract Form	<b>CPWD GCC Construction Works - 2023</b> as amended and up to and including correction slip

(i)	Time allowed for submission of Performance guarantee, Program: Chart (Time & Progress) and applicable Labor 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% of: Performance guarantee amount beyond the period provided in (i) above.	01 to 15 days.

**Clause – 2.**

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

**Clause – 2A.**

Whether Clause 2A shall be applicable : No

**Clause – 5.**

Time allowed for execution of work	:	<b>45 days</b>
Time of start of work:		Within Seven days after issue of Award of work Order.

Sl no	Description of Milestone	Time Allowed in days	Amount to be withheld in case of non achievement of Milestone
1	Supply of all materials as per BOQ	<b>30 days</b>	
2	SITC of all items in BOQ	<b>10 days</b>	
3	Testing of water and submit the report	5 days	
Authority to decide fair & reasonable extension of time: for completion of work		<b>Superintending Engineer, AIIMS, Bhubaneswar</b>	
Rescheduling of Milestones		<b>Superintending Engineer, AIIMS, Bhubaneswar</b>	

**Clause – 6.**

Whether Clause 6 (Computerized MB) shall be applicable	Yes
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**Clause – 7A.**

Whether clause 7A shall be applicable	: YES.
---------------------------------------	--------

**Clause – 10B.**

Whether Clause 10B(i) shall be applicable	: YES.
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**Clause – 10C.**

:	Not applicable.
---	-----------------

**Clause – 10CC**

:	Not applicable.
---	-----------------

**Clause – 11.**

:	CPWD General Specification for Electrical Works Part-II External 2023
---	---

**Clause – 16.**

Competent Authority for deciding reduced rates	: Superintending Engineer AIIMS, Bhubaneswar
--	---

**Clause – 25.****(i) Conciliator**

:	Dispute Redressal Committee (DRC) to be constituted by Executive Director, AIIMS, Bhubaneswar
---	---

**(ii) Arbitrator Appointing Authority**

:	Executive Director, AIIMS, Bhubaneswar
---	--

**(iii) Place of Arbitration**

:	Bhubaneswar
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**Clause – 32.** Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table :-

Value of Work	Ser. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the Agency in the event of not fulfilling provision of clause 32	
							(Figures)	(Words)
For Agreement amount upto Rs150 Lakhs	(a)	Graduate Engineer OR Diploma Engineer	Elect.	Principal Technical representative	02 years for Graduate Engineer/ 05 years for Diploma Engineer	2	Rs 30000.00/-	Rs. Thirty Thousand only

### Financial Bid (schedule of quantities)

**NIT NO.: AIIMS/BBSR/ENGG. / ELECT. /66/2025**

**Name of the work :- “Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”**

SI No.	Description Of Item	Unit	QTY.	Per Unit Rate	Total Amount
1	Supply of fully automated R.O Plant of Commercial model of 2000 LPH capacity with One year warranty with all consumables as required	Each	2	736532.00	14,73,064.00
2	CMC of fully automated R.O Plant of Commercial model of 2000 LPH capacity with all consumables as required as per the conditions in Scope of Work.	Per Year per unit	6	143016.00	8,58,096.00
3	SITC of Cascade HYPN system with 2 numbers Vertical In – Line Multistage pumps with SS Impeller & SS Shaft coupled with 2900 RPM,3-phase, 2.2 kW IE2 Motor (1 Working + 1 Stand by) of Head 65-70 meter, at Flow rate 80 LPM. With Additional Accessories like MS Galvanized HYPN Skid with Suction & discharge header assembly having Butterfly Valve & NRV with pressure Transducer & Pressure gauge, along with Cascade Automation control panel with single VFD with inbuilt PLC. And with following Accessories. A. SITC of 100 Ltr MS pressure tank of pressure rating PN 10. B. SITC of Float Level sensor to be installed in UGT Tank for Dry Run Protection. C. SITC 14 nos. of Pressurized Ball cock to be installed in the discharge out let at OHT for Auto closure & open of discharge outlet as per the level of the OHT. ,D. Base frame with Damping pad and others Accessories as required as per the Scope of Work and Technical Specification.	Set	1	482679.00	4,82,679.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				

(i)	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre	30.00	1,426.34	42,790.20
(ii)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	50.00	349.01	17,450.50
(iii)	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	30.00	287.36	8,620.80
(iv)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	20.00	243.47	4,869.40
5	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
(i)	4 way (4 + 12), Double door	Each	1.00	4,274.84	4,274.84
6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(i)	Single pole	Each	12.00	267.50	3,210.00
(ii)	Triple pole and neutral	Each	3.00	1,283.18	3,849.54
7	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
(i)	Group C	Point	10.00	1,532.92	15,329.20
8	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.)				



	with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
(i)	Group C	Point	6.00	896.56	5,379.36
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Point	6.00	612.33	3,673.98
10	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required	Each	4.00	2,852.68	11,410.72
	Total (Including GST)				<b>29,34,698.00</b>

**Performa for Quoting Rates**

<b>Name of the work :- “Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO &amp; UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”</b>					
<b>E-NIT no. <span style="color: red;">AIIMS/BBSR/ENGG. / ELECT. /66/2025</span></b>					
<b>Name of Contractor:-</b>					
Sl no.	Name of Component	Estimated Cost in Rupees	Percentage above/Below the Total Estimated Cost	% in Figures	Total Cost in Rupees
1.	“Supply, Installation, Testing and Commissioning of 2000 LPH fully automated Centralized RO & UV water purifiers plant for supply of Drinking Water to all Hostel blocks at Housing Complex, AIIMS, Bhubaneswar.”.	Rs. 29,34,698.00/- (Rupees Twenty-nine lakhs thirty-four thousand six hundred ninety-eight only) including GST	<i>This is the sample donot quote the percentage here-----%</i>	<i>This is the sample donot quote the percentage here-----%</i>	<i>This is the sample donot quote the price here</i>  <b>Rs.</b> (To be filled in Financial Bid only)

(Rupees \_\_\_\_\_ *This is the sample donot quote the price here* \_\_\_\_\_ Only)

Note:-

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

I, the contractor certify that I am filling this template after understanding all the terms of schedule of Quantity of e NIT page no \_\_\_\_\_.

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

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

Mobile Number: \_\_\_\_\_

Signature of the Bidder :-

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

Place : Bhubaneswar

Seal of the Bidder

## ***E-TENDERING INSTRUCTIONS TO BIDDERS***

### **Instructions for Online Bid Submission:**

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

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

### **REGISTRATION ON CPP PORTAL:**

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

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

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

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

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

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

### **SEARCHING FOR TENDER ENQUIRY DOCUMENT**

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

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

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

### **PREPARATION OF BIDS**

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

Please go through the tender advertisement and the Tender Enquiry Document carefully to

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

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

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

### **SUBMISSION OF BIDS**

#### **Submission of Bids**

Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

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

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

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

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

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

All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage

encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

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

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

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

#### **ASSISTANCE TO BIDDERS**

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

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