



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES RISHIKESH,
UTTARAKHAND. 249202**

**Tender No. : 01/SE/AC&R/WATER SOFTENING PLANT /AIIMS
RISHIKESH/2017-18**

**Tender for Supply Installation, Testing & Commissioning of
Water Softening Plant for HVAC System
at AIIMS Rishikesh**

**All India Institute of Medical Sciences Rishikesh 249202 Uttarakhand India. Office
of Superintending Engineer AIIMS Rishikesh. Tel No. 0135-2462968,**

Email: - engg.aiims.rishikesh@gmail.com

**TENDER: FOR SUPPLY INSTALLATION TESTING & COMMISSIONING OF WATER SOFTENING
PLANT FOR HVAC SYSTEM AT AIIMS RISHIKESH**

The Executive Engineer (E), AIIMS Rishikesh, on behalf of Director, AIIMS Rishikesh invites sealed tenders from experienced Indian FIRMS/reputed contractor for Water softening Plant work with its supply, installation, testing and commissioning of the system. As per Specification /BOQ attached to the document, agency to quote firm rates covering the entire scope.

Schedule of Tender

Sr. No	Schedule	Particulars
1	Cost of Tender Form	Rs. 1180/- (One thousand one hundred & eighty only) Nonrefundable in the Form of DD in favor of "Director, AIIMS Rishikesh" from any Nationalized bank. Those who have downloaded the tender document should accompany above Tender Document Cost DD in Technical Bid Envelop.
2	Date of issue of Tender Document	05.08.2017
3	Pre Bid Conference	22.08.2017 at 11.30 AM in the office of SE Project cell Hospital building AIIMS Rishikesh
4	Last date of sale of Tender Document	28.08.2017
5	Date of Submission of Tender	28.08.2017; 14.30 hrs.
6	Date of opening of Technical Bid	29.08.2017; 15.00 hrs.
7	Earnest Money Deposit	The DD/Banker's Cheque/FDR of EMD of Rs. 70,000/- (No interest shall be paid) to be drawn in favour of "Director, AIIMS Rishikesh". In respect of successful bidder it will returned/can be adjusted in Performance Guarantee Security Deposit to AIIMS Rishikesh and Performance Security Deposit should remain valid for a period of Ninety days beyond the date of completion of all contractual obligations including 24 Months Warranty. Any other dues outstanding shall also be

		recovered from the Performance Security Deposit. In the case of unsuccessful Bidders, the EMD shall be refunded within 30 days of award of contract to successful bidder/bidders.
8	Estimated Cost	35,00,000/- (Rs Thirty Five Lakh Only)

Note:-

1. The details of tender terms & conditions are mentioned in Tender Form.
2. Tender Form can be purchased from Office of the Superintending Engineer, AIIMS Rishikesh, Hospital building AIIMS Rishikesh **by paying Cost of Bid Document of Rs. 1180/-** .through Banker's Cheque/ Demand Draft /Pay Order /FDR of any scheduled Bank drawn in favour of **"Director AIIMS, Rishikesh"** payable at Rishikesh or downloaded from website www.aiimsrishikesh.edu.in. **(The bid document consisting of specifications, the schedule of quantities to be supplied and the set of terms and conditions of the contract to be complied with and other necessary documents)**. Those who download the tender document from website should enclose a DD for **Rs.1180**, along with their tender bid (Technical Bid) **(non-refundable) by way of separate demand draft drawn in favour of Director, Aims, Rishikesh and the same should essentially been closed along with the technical bid. the bidders should specifically superscribe, "downloaded from the website" on the top left corner of the outer envelope, containing technical bid & price bid separately. in no case, the tender cost fee should be mixed with EMD amount. the tenders not following the above procedure will be summarily rejected.**
3. The Superintending engineer, AIIMS Rishikesh reserves the right to reject any or all tenders without assigning any reasons whatsoever.
4. For detailed notice & Eligibility Criteria, the website www.aiimsrishikesh.edu.in may be seen.
5. Tenderer may note that if the date of tender opening given in this Tender Document is declared to be a gazetted holiday, the tender shall be opened on the next working day at the same timing. In such an event the closing hours for receipt of tenders in office will stand automatically extended up to 14:30 hours of the next working day in the Government offices.

Enclosed: General Terms & Conditions, Annexure I to VII

Executive Engineer (E)
AIIMS Rishikesh

All India Institute of Medical Sciences

RISHIKESH, UTTARAKHAND. 249202

TENDER NO: 01/SE/AC&R/WATER SOFTENING PLANT /AIIMS RISHIKESH/2017-18, Dated 05/08/2017
Supply, installation, testing and commissioning of water softening plant

NOTICE INVITING TENDER

The Executive Engineer (E), AIIMS, Rishikesh on behalf of Director, AIIMS, Rishikesh FOR Supply Installation, and Testing & Commissioning of Water Softening Plant as per the specifications attached at AIIMS Rishikesh invite sealed Tenders.

General Terms & Conditions:

- 1 Taxes, Terms and conditions for **SITC a water softening plant** as per the specifications given should be followed. The rates may be quoted be kept in a separate envelope failing which the tender(s) will be rejected.
- 2 Mixed quotations will not be considered for acceptance.
- 3 Tender should be submitted in Two Bid System Containing Two Parts as detailed Below:-

PART-I: - Technical Bid in One Sealed Cover Along with E.M.D/ Bid Security & Tender Cost...

PART-II:- Price Bid/ Financial Bid in One Sealed Cover.

Both the sealed Envelops should then put in One Outer Cover

THEREON:

- a. Reference No. of the Tender

- b. Tender regarding

- c. Due date for submission of the tender

: _____

- d. Due date for opening of the tender _____

- e. Name of the firm

- 4 The prices/rates quoted should be indicated in words as well as in figures.

Please note that rates should not be indicated in the technical bid. The pre-qualification documents including E.M.D./bid security cost of tender document if downloaded from the web site as required in the tender document should invariable be accompanied with the technical bid.

NOTE:-1. TENDERS SUBMITTED WITHOUT FOLLOWING TWO BID SYSTEM PROCEDURES MENTIONED ABOVE WILL BE SUMMARILY REJECTED.

1. **Earnest Money not submitted with tender will not be considered.**
2. **The tenderers should give rates inclusive of all taxes.**
3. **This Tender Documents is NON- Transferable.**
- 4 **The bid document should be paged and a certificate may be provided on the covering letter indicating the number of pages submitted along with the bid.**
- 5 The Tender forms be clearly filled in ink legibly or type written giving full address of the tenderers. **The tenderers should quote in figures as well as in words** the rates amount tendered by him/them. Any discrepancy between the figures and words, the amount written in words will prevail. Alterations/overwriting, unless legibly attested by the tenderer, shall disqualify the tenders. The tenders should be signed by the tenderer himself/themselves or his/their authorized agent on his/their behalf (Authorization may be enclosed, if applicable). All correction in this schedule must be dully attested by full signature of the tenderer. The correction made by using fluid and overwriting will not be accepted and tender would be rejected. Rates should be FOR AIIMS, Rishikesh at any location in the premises.
- 6 The forwarding letter/undertaking (annexure-iv) duly signed should invariably be returned along with quotations furnished, failing which the tender shall be rejected.
- 7 The tenderers should take care that the rates and amounts are written in such a way that interpolation is not possible, no blanks should be left which would otherwise, make the tender redundant.
- 8 The offers of firms who are not doing this type of jobs or direct authorized agent will be summarily rejected.
- 9 Each Tender should be accompanied with an E.M.D/Bid security amounting to **Rs. Seventy thousand only (Rs. 70,000/-)** by way of banker's Cheque/ demand draft /Pay order /FDR of any scheduled bank drawn in favour of "director Aiims, Rishikesh", failing which the tender shall not be considered for acceptance and will be out rightly rejected. Cash/Cheque is not acceptable at all the E.M.D/BID security deposited against other tenders cannot be adjusted or considered for this tender. no interest is payable on E.M.D/BID Security.
- 10 The total work will be accepted only if the work is done satisfactory.
- 11 **Following documents are to be provided.**
 - 1 **Proof of executing this type of works worth of the value not less than 30 lakhs.**
 - 2 **Details of firms/ company in case of partnership firms.**
- 12 The Superintending engineer, AIIMS Rishikesh shall be the final authority to reject full or any part of the works and payments, which are not confirming to the specification and other terms and conditions.

- 13** Tenderers submitting tenders would be considered to have considered and accepted all the terms and conditions. No enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the tender.
- 14** Tender can be rejected if the copy of GST registration is not furnished (if applicable).
- 15** Any action on the part of the tenderer to influence anybody in the said Institute will be taken as an offence, he will not be allowed to participate in the tender enquiry and their offer will not be considered.
- 16** The tenderers must quote their material equipment's strictly as per tender specifications.
- 17** Genuine material/Equipment's should be used.. The quoted material/Equipment for the work should be of Indian/International standards mentioned in specifications.
- 18** Executing works with execution of works with all material means-completing the work at site in AIIMS premises decided by AIIMS Rishikesh. No separate charges will be paid separately on this account.
- 19** The tenderer shall furnish a non-blacklisting certificate self-attested that the firm has not been blacklisted in the past by any government/Private institution. The tenderer/supplier has to give an undertaking as given at

Annexure-IV that there is no vigilance/CBI case pending against the firm/supplier and the firm has not been blacklisted in the past by any Govt. or Private Organization.

- 20** Intending Bidders are advised to inspect and examine the site where the plant is to be installed 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 sites 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 Equipment's 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, and no other stores, tools and plant, etc. will be issued to him by the AIIMS Rishikesh, and local conditions and other factors having a bearing on the execution of the work. For the works electricity will be provided free and suitably be used from the nearest point of work.
- 21** The Superintending engineer, AIIMS Rishikesh does not bind himself 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 bidders shall be summarily rejected.

- 22 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 for rejection.
- 23 The competent authority on behalf of Director AIIMS Rishikesh reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
- 24 The rates quoted for the **Supply, installation, testing and commissioning of the water softening plant at AIIMS Rishikesh** works under the reference, by the firm/contractor shall in no event exceed the lowest price at which the tenderer are made to any other person/organization/Institution during the period and should attach an undertaking.
- 25 The Tenderer shall furnish the following certificate to the AIIMS, Rishikesh along with bill for payment for the work done made against in Contract Tender. "I/We certify that the material& Equipment's installed/used for the work is of best quality& branded. Bill be made including all costs of material and labour applied to the work under the contract up to date bill, the date of completion of work against the currency of the tender contract at the price quoted in the tender, be made.
- 26 The contractor/firm shall have minimum 03 years' experience of such types of works turnover of Rs.30 lacs during last 3 years ending on 31.03.2017. Three years' annual accounts duly certified by self-have to be submitted on support of this.
The contractor shall also furnish a list of organizations where the above item, in question, has/have been executed during the last one year.
27. **Payment terms:** Bills in triplicate for the work completed by the selected Agency should be raised for payment. Payment shall be released after deducting TDS as per Income Tax Rules and any other deductions as per Government rules and payment shall be released only after it is ensured that the work quantity and quality of items supplied are to the entire satisfaction of this office. If any items are found to be defective, or not of the desired quality etc., the same shall be replaced by the selected Agency, immediately for which no extra payment shall be made.97% payment shall be made from each bill. If the 100% work is completed the bill shall be paid after deducting 5% as SD which shall be released after the 27 months with defect liability period after completion of complete work.
28. **Performance Guarantees:** The contractor shall submit performance guarantee 5% of the contract actual /tendered amount before issue of the work order within 14 days of acceptance letter received by contractor failure to which the EMD shall be forfeited.
29. **Security Deposit:** 5% Security deposit shall be deducted from each running bill. Which shall be released after the 24 months, With the full satisfaction of work by AIIMS Rishikesh.

30. Period of completion: Period required for completion of work after getting work order (Including monsoon) – Two months shall be 60 days, after material brought at site within one month after issue of the work order.

31. Mobilization Advance: No Mobilization Advance will be paid.

32. Penalty clause \ Liquidated Damage for non-completion of work within the Scheduled completion date: If the contractor fails to complete the whole of works within the stipulated contract duration of completion granted by the Employer, if any. Employer shall recover from the contractor the liquidated damages for such default a sum of **0.5%** (Half percent) of the total accepted contract value per week or part thereof beyond the stipulated date of completion subject to a maximum of **10%** (Ten percent) of the total accepted contract value.

33. Experience: Contractor will have minimum 3 years of experience for similar type of work.

34. Escalation: No Escalation on any of the items or statutory levies will be entertained. Prices will be firm till the end of Contract.

35. The Owner or its authorized representative reserves the right of accepting the whole or any part of the quotation received and the contractor shall be bound to perform the same at the rates quoted.

36. Quantum of work: The contract is tender. The Superintending Engineer reserves the right to increase or decrease the scope of the Work on any or all items or to change the nature of the Work involved in any or all items or to completely delete any items of the Work under the Contract. The Contractor shall not be entitled to claim for loss of anticipated profits, for mobilization of additional resources, or for any other such reason on account of these change orders.

37 . The Work shall be carried out under the direction and supervision of the AIIMS Engineers and the Authorities of AIIMS Rishikesh. At the Site. On acceptance of the tender the contractor shall intimate the name of his accredited representative (the “Contractor’s Representative”) who would be supervising the work / construction and would be responsible for taking instructions for carrying out the work. All commitments made by such representative shall be binding upon the contractor, and such representative shall be deemed to be the duly authorized representative of the contractor.

38. The Director AIIMS Rishikesh/ Engineers Unit AIIMS Rishikesh decision with regard to the quality of the material and workmanship will be final and binding. Any material rejected by the Director or Engineering unit AIIMS Rishikesh shall be immediately removed by the contractor and replaced by material of acceptable and specified quality and standards.

39. No additional claims will be entertained for underutilization of tools, plant, machinery and manpower. De-mobilization, relocation of plant and machinery / mobilization of P&M, manpower cost for the extended period of the project due to project delays will not be entertained unless the work has been stopped by the Director AIIMS Rishikesh and Engineers through a written letter.

40. Type of Contract: The Contract shall be a tender which includes design, drawing, Construction, erection, testing and commissioning of the water softening plant. The Contractor shall be entitled to payment, in Indian Rupees. The Contractor understands and agrees that the amount payable is assessed on a measurable basis in accordance with the tendered rates. The quantity of items may increase or decrease as per actual measurement at site, after execution of work & accordingly payment shall be made. The contract price shall include payment for the

supply of all Labour (including payment to his sub-contractors), equipment, materials, power, water, plant and machinery, tools, transportation, framework, scaffolding and all applicable taxes, duties, octroi, levies, royalties, fees, insurance premiums, contributions towards employee's benefits including ESI and PF and funds and all services and activities constituting the Scope of Work defined in the general conditions of contract. The contract price shall also include the contractor's establishment, infrastructure, overheads and all other charges, and shall generally be inclusive of every cost and expense required by the contract to be borne by the Contractor and necessary for the proper execution and successful completion of the Work under the Contract, in conformity with the Contract documents and the best engineering and construction practices and to the satisfaction of the Superintending engineer, AIIMS Rishikesh and Engineering unit AIIMS Rishikesh.

41. Insurance: Insurance for equipment, materials and Labour involved in execution of the work up to the date of handing over of this package. Before commencing the execution of the work, the contractor, without limiting his obligations and responsibilities under this contract shall insure against his liability for any material or physical damage, loss or injury which may occur to any property, including that of the AIIMS Rishikesh sub-contractors, contractors or to any person including any employee of the owner sub-contractors, contractors or a member of the general public, by or arising out of the execution of the work or in carrying out the contract. It shall be obligatory for the contractor to obtain and retain for all relevant times the insurance cover under the following policies:

a. Contractor's All Risk Insurance Policy to inter alia cover the following:

i. Entire contract value including the contract price for the period of completion including defects liability period

ii. Third party insurance to cover for any damages to third party. This shall be up to the end of the defects liability period and shall include any damage to the properties and/or injury including death to the persons of the general public and anyone else deemed to be third party.

iii. Civil commotion, riots, war and other disturbances.

b. Policy to cover contractor's liability under Workmen's Compensation Act 1923, Minimum Wages Act 1948, Contract Labour (Regulation and Abolition) Act 1970 and other relevant Acts listed elsewhere. This shall be for the period up to final completion of the work, including the defects liability period.

c. Insurance cover against damage or loss due to any reason in respect of materials, equipment and/or work done. Limit of liability shall not be less than the value of such materials at any stage of the contract, for the period of completion including defects liability period.

d. Automobile coverage

e. Commercial General Liability

f. Professional Indemnity including contractor, AIIMS Rishikesh errors and omissions in contract documents. The contractor shall insure against all such liabilities and shall continue such insurance during the currency of the contract including the defects liability period. Premium for all insurance policies shall be paid and borne by the contractor and shall not be reimbursable.

The contractor shall produce to the AIIMS Rishikesh all certificates of insurance. These certificates shall be fully executed and shall state that the policies cannot be cancelled until completion of the contract. The contractor shall obtain written confirmation of similar certificates from all subcontractors and thereby assume responsibility for any claims or losses to the owner resulting from failure of any of the sub-contractors to obtain adequate insurance protection in connection with their work and shall indemnify the owner accordingly.

42. Security: The contractor shall be responsible for providing at his own cost proper adequate security for the materials and equipment belonging to the contractor and stored within the site. Contractor shall follow all the security rules of AIIMS Rishikesh.

43. Safety Equipment: The contractor shall provide sufficient helmets, safety boots / shoes, PPE and protective clothing for use by all of their workmen on site. The Contractor shall make available at all times when work is being undertaken, a vehicle suitable for the emergency evacuation of personnel from the site to hospital staffed and equipped to receive injured Personnel.

44. Communication facilities: The key persons of the contractor's representatives including contractor's site Project Manager shall be provided with mobile phones at contractor's own cost. If the contractor fails to provide the same, the owner will arrange the same and the cost for the same will be recovered from the contractor's bills. All other supervisors to be provided with mobiles.

45. Child labour: The contractor shall not employ any labourer under 18 years of age on this job. If female labourers are engaged, the contractor shall make necessary provisions at his own expense for safeguarding and care of their children and keeping them clear of the site at suitable crèches. No children shall be permitted to enter the site during construction.

46. Co-ordination: Contractor shall coordinate the work with the AIIMS Rishikesh, project Managers, main project contractor, other contractors and various other consultants involved in the execution of the work.

47. Shop drawings: The contractor shall prepare and forward shop drawings to AIIMS Rishikesh if any for their approval prior to execution / procurement along with relevant catalogues / manufacturer's drawings.

48. Electricity & water supply –AIIMS Rishikesh will provide these facilities free of cost basis for testing and commissioning. Contractor shall have to make his own arrangement for all welding and wiring arrangements for the connections from the suitable nearest points carefully and no mis-happening shall occur in any case in case happens shall be responsibility of the contractor.

49. Maintenance of site while working is in contractor's scope.

50. All section wise total amounts shall be written in words also.

51. Delivery: The work shall be completed within the time period indicated in the attached in the Order.

52. Meeting: Contractor will be bound to attend all AIIMS Rishikesh meetings as well as site meetings.

53. Warranty: The system shall have minimum warranty of Three years on all equipment's & their parts and performance of plant.

54. Civil – Work Contractor & his site engineers will be responsible for executing monitoring correctness of civil works Executed by WSP agency. Necessary detailed drawings & follow up for such work will also be done by WSP contractor in consultation of Engineers of AIIMS Rishikesh.

55. Exclusions:

Civil construction for units. All drawing related to WSP i.e. location, detailed plan, Sections & loading of equipment etc. will be given by WSP Vendor. Civil works for foundations and drains Chemicals during normal operation if any, Electrical supply at the plant.

56. Response Time: Bidder has to provide minimum response time for attending complains. Time required In case of emergency and major break down. As radiant

cooling system has to work on 24 X7 and water is required to keep this system working.

- 57 Payment shall be made through Account Payee Cheque or Electronic Clearing System only and the charges shall be deducted from the bill.
- 58 At the time of opening of the Bidding parties or their authorized representatives can also be present. Only one representative on behalf of one tenderer shall be allowed to be present on the occasion
- 59 The other terms and conditions entrusted to the successful tenderer will be as follow: -
- I. **The firm will have to complete the entire quantity of work at AIIMS Rishikesh / in AIIMS Rishikesh Campus / at the place as directed by Engineer in Charge or his authorized representative. Within time period fixed in the tender document.** Loading/unloading of goods, transportation, delivery material shall be the responsibility of the firm and no extra cost should be quoted for the same. In case of delay on the part of the contractor, penalty @ ½% per week of the total value of work as billed will be deducted from the Contractor's bill subject to maximum of 10 % without prejudice to other terms & conditions of the order.
 - II. The offer of the contractor should also include the cost of transportation of materials from their show room/ Go-down to aforementioned place and placement at the location indicated by Engineer in-charge.
- 60 The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract.
- 61 **The bidders are advised to see Website regularly as the Corrections /modifications in the Schedule of items, terms, conditions /NIT shall only be made through website at any time but before the last date of receipt of tender.**
- 62 The competent authority on behalf of Director, AIIMS, Rishikesh reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
- 63 The competent authority on behalf of the **Director, AIIMS Rishikesh** does not bind himself 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 bidders shall be summarily rejected.
- 64 The contractor shall not be permitted to bid for works in the AIIMS Rishikesh Project responsible for award and execution of contracts, in which his near relative is posted. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in AIIMS Rishikesh or in the Ministry of Health & family welfare.
- 65 No Engineer of gazetted Rank or other Gazette Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the

Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

- 66 The bid for the works shall remain open for acceptance for a period of Ninety (90) days from the date of opening of financial bid in case bids are invited on 2/3 bid system (strike out as the case may be) if any bidders withdraws his bid before the said period or before issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Director AIIMS Rishikesh shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
- 67 The Contractor has to quote rate for each and every item. Otherwise, tender may be rejected.
- 68 The Courts of Rishikesh will have jurisdiction over all legal disputes under this Agreement.
- 69 **FIRM & FIXED RATES:** Prices should be quoted on a firm & fixed price basis. Request for enhancement of contracted rates shall not be considered under any circumstances. Tenders with variable prices or seeking provision for enhancement of prices/contracted rates shall be rejected straight away without any consideration.
- 70 **Interested contractor may be asked to visit site at their own expenses prior to quoting for the work to ascertain prevailing condition site and quantum of work involved.**

71 The contractor need to fill the information here

No.	Name of Works	EMD No, & (Rs.)	Contract period	Purchase date of tender	Date of Submission & Opening of bid.

Executive Engineer (E)
AIIMS, Rishikesh

PROFORMA OF SCHEDULES(As per CPWD)

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting tender : **Executive Engineer (E)
Project Cell,
AIIMS Rishikesh.**

Definitions

2(v) Engineer-in-Charge : **SE, Project Cell, AIIMS
Rishikesh.**

2(viii) Accepting Authority : **Superintending Engineer,
AIIMS, Rishikesh**

2(x) Percentage on cost of materials and
Labour to cover all overheads and profits :

2(xi) Standard Schedule of Rates : **DSR 2016**

9(ii) Standard CPWD Contract Form :
GCC 2016, CPWD Form 7/8.
Incorporating Amendments up-to-date.

Clause 1

- (i) Time allowed for submission of Security cum
Performance Guarantee from the date of issue
of letter of acceptance :
- (ii) Maximum allowable extension beyond
the period provided in (i) above :

Clause 2

Authority for fixing compensation under
clause 2

: **Director, AIIMS ,Rishikesh**

Clause 10B(ii)

Whether Clause 10 B (ii) shall be applicable

:- No

Clause 11

Specifications to be followed for execution
of work

:- **CPWD Specification 2016, Vol-I & II, E &M
with up to date correction slips. 100%**

PARTICULARS SPECIFICATION

&

SPECIAL CONDITIONS

1. GENERAL

Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders

2 TERMS & CONDITIONS: Terms & Conditions as set out in this Tender Document shall have to be complied with by the tendering firm. Offers not complying with such terms & conditions shall be ignored/rejected at the discretion of tendering Authority.

3 PRESCRIBED FORMS: Tenders of firms received in the format prescribed in this tender document shall only be considered. Offers not received in prescribed format shall be ignored and no correspondence in this regard will be entertained. Telegraphic/Telex/Fax/ Email/ Letterhead/Quotations will not be accepted and ignored straightaway.

4 LATE/DELAYED TENDERS: Tenders received after closing date and time prescribed in this enquiry shall not be accepted under any circumstances.

5 TENDERERS ARE REQUESTED TO QUOTE THEIR RATES ON F.O.R DESTINATION BASIS (Free delivery to the consignee's premises).

6. Inspection: The inspection of the work execution and materials shall be carried out by authorized representative of AIIMS Rishikesh Engineering unit at its stores and at the work sites daily, the contractor's employees must comply the orders of that.

7. If required / felt by AIIMS Rishikesh, a tender evaluation committee / purchase committee shall examine the samples of these items, analyze and compare the rates quoted by bidders and shall decide the tender.

8. The Tendered rate be quoted in MKS units only.

9. 10CA,10CC and other escalations clauses are not applicable.

Form of Earnest money/ Performance guarantee (Bank Guarantee)

Where as ,contractor.....(Name of contractor) (Herein after called contractor) Has submitted bid tender date.....(Date) for the water softening plant for HVAC Supply ,installation, testing & commissioning.....(Name of work) (Here in called the Tender) know all people by these presents that we.....(Name of the bank) Having our registered office at.....(Herein after called 'the bank') are bound unto Superintending Engineer (Civil),AIIMS Rishikesh (herein after called 'the Engineer-in-charge') in the sum of Rs..... (Rs.in.words.....) .For which payment well and truly to be made to the said Engineer-in-charge the bank binds itself, his successors and assigns by these presents.
SEALED with the common seal of the said bank this.....day of.....20.....

The conditions of this obligation are-

- (1) If after tender opening the contractor withdraws ,his tender during the period of validity of tender(including extended validity of tender) specified in the form of tender.
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-charge:
 - (a) Form of Agreement in accordance with the instructions to contractor, if required: OR
 - (b) Fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender documents and provisions, instructions to contractor, OR
 - (c) Fails or refuses to execute the works the items, in accordance with the provisions of the contract and instructions to contractor, OR
 - (d) Fails or refuses to submit fresh bank Guarantee of an equal amount of this Bank Guarantee, against Security deposit after award of contract.

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

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

Date

Signature of the bank

Witness.....

(Signature, Name and Address)

*Date to be worked out on the basis of validity period of 12 month from last date of receipt of tender.

UNDERTAKING

I.....S/o..... R/o.....

...do thereby solemnly affirm as under: -

1. That I am a partner /Proprietor/ Authorized representative of M/s...

.....

.....

2. That the firm has not been blacklisted in the past by any government /private/organization.

3. That the firm has no vigilance case/CBI/FEMA case pending against him.

4. That the firm is not doing the work at the lower rate quoted in the tender to any government organization or any other institute.

Signature & Seal of the bidder (S)

Annexure –V

**TENDER NO. :- 01/SE/AC&R/WATER SOFTENING PLANT /AIIMS RISHIKESH/2017-18
For installation of water softening plant at AIIMS Rishikesh ,Dated 05/08/2017
Subject:-For installation of water softening plant at AIIMS Rishikesh**

**Name of the party in whose : _____
Favour the Tender form has : _____
been issued : _____**

**To,
The Executive Engineer,
Project Cell,
All India Institute of Medical Sciences ,
Rishikesh, Uttarkhand-242902**

Dear Sir,

1. I/We hereby submit our tender for the afore mentioned works.
2. I/WE now enclosing herewith the Bank Guarantee/D.D. No..... dated.....

For Rs. 70000 /-(Rupees Seventy thousand only) drawn in favour of the “Director AIIMS, Rishikesh” towards EMD/(TENDERS NOT ACCOMPANIED WITH EMDALONG WITH TECHNICAL BID SHALL BE SUMMARILY REJECTED).

3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the AIIMS Rishikesh, in this connection including delivery of materials installation and execution of works etc.
5. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.
6. Tenders are duly signed (No thumb impression should be affixed).
7. In case tender documents are downloaded from AIIMS RISHIKESH Web Site by the firm then following certificates should also be signed by the tenderer – “Certified that we have downloaded the tender document from AIIMS Rishikesh Web Site and for any difference in contents from original document we shall be fully responsible and understand that rate contract awarded, if any, may be terminated by AIIMS Rishikesh on this account.

I/We have read and examined the notice inviting tender, schedule F, specifications applicable, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES ETC, HAS BEEN INDICATED IN THE TENDER FAILING, WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully

**Signature of
Tender(s) with full
Address.**

WITNESS _____

WITNESS _____

B: Detail Special Conditions of the tender

1. Engineer at Liberty to Object

The Engineer shall be at liberty to object to and require the Contractor to remove forthwith from the Works any person provided by the Contractor who, in the opinion of the Engineer, misconducts himself, or is incompetent or negligent in the proper performance of his duties, or whose presence on Site is otherwise considered by the Engineer to be undesirable, and such person shall not be again allowed upon the Works without the consent of the Engineer. Any person so removed from the Works shall be replaced as soon as possible by a person approved by the Engineer.

2. Safety, Security and Protection of the Environment

The Contractor shall, throughout the execution and completion of the Works therein:

- i) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons, and
- ii) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority for the protection of the Works or for the safety and convenience of the public or others.
- iii) Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods.

3. Accident or injury to Workmen

The Employer shall not be liable for or in respect of any damages or compensation payable to any workman for death or injury resulting from any act or default of the contractor. The Contractor shall indemnify and keep indemnified the Employer against all such damages and compensation and expenses whatsoever in respect thereof or in relation thereto.

4. Eligibility criteria:

The applicant should meet the following minimum criteria for prequalification:

1. The Experience should be in the name of bidding company and not in the name of subsidiary/ associate/ group company etc.
2. Experience of having successfully completed work of **supply and installation of water softening plant** during last five years ending last day of month previous to one in which applications are invited. Must have minimum 3 years' experience of similar type of works. The contractor should enclose the proof of the following.

5. Award of work:

- i. **The selection of the agency will be at the sole discretion of the Superintending Engineer, AIIMS Rishikesh who reserves the right to accept or reject any or all the tenders without assigning any reason**
- ii. The contract for Supply and installation of water softening plant shall be awarded to

the qualified responsive tenderer who has quoted lowest.

iii. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 7 days from the stipulated date of start of the work sign the contract.

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) The contractor should fill the required information in the Performa given below

Contractors give the following information as:-

1. Project title & Location:
2. Name of the Client and Address:
3. Describe area of Participation (Specific Work done)
4. Period of Work Done.
5. Total cost of work cost.
6. Date of start of the work and the present status.
7. Any other details.

NOTE:-

Supporting documents like certificates from the client in support of the above Projects to be furnished.

8. In the event of termination of the contract, employer shall be at liberty to get balance work done at the risk and cost of the contractor and due payment of the contractor, if any, shall be released after the completion of whole of the works.

9. Amicable Settlement of Dispute

The party shall use their best efforts to settle amicably all disputes arising out of or in connection this contract or the interpretation thereof. Director AIIMS Rishikesh decision shall be final.

10. a) That the normal functioning of AIIMS Rishikesh activity is not affected as far as possible by execution of the works at site.
- b) That all rubbish etc. is disposed off at the earliest and the place is left clean and orderly manner.
- c) The contractor shall ensure safety of his workers and others at site of work and shall be responsible for any consequence arising out of execution of the work.
- d) Water and electricity shall be made available free of cost at nearby source of work. The contractor has to make his own arrangement for use of the same including drawing temporarily lines etc. The responsibility, for following relevant rules, regulations and laws in this regard shall be entirely, that of the contractor. The same be used carefully, any mis happening the contractor shall be solely responsible for that.

11. The contractor is responsible for cleaning the area where the job is completed.

12. The contractor or his workers should behave in proper and remain disciplined with the AIIMS Rishikesh officials during the job/work.

13. There should not occur any theft during the course of work.

(To be made on Rs 100.00 Non-Judicial Stamp paper)
AGGREEMENT

This agreement is made at AIIMS Rishikesh on the day Of Two thousand seventeen between M/s Contractor having its registered office at (herein after called the agency or contractor which expression unless repugnant the context shall mean and include its successor-in – interest assign etc.) **of the First Part**

SECOND PART

Director All India Institute of Medical Sciences, Rishikesh acting through Superintending Engineer AIIMS Rishikesh, having its office at AIIMS Rishikesh 242902 (here in after called '**Client**' which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors, legal representatives and assigns) of the Second part.

Whereas the 'Client is desirous to engage the 'Agency' for installation of WSP on Item rate basis AIIMS at Rishikesh on the terms and conditions stated below.

1. The Agency will be solely responsible for compliance to the provisions of labour, industrial and any other Laws applicable and statutory obligations, such as, Wages, Allowances, Compensations, EPF, Bonus, Gratuity, ESI, etc. relating to personnel deployed at **AIIMS, Rishikesh site**. The '**Client**' shall have no liability in this regard.
2. The Agency shall be solely responsible for any accident / medical/ health related liability / compensation for the personnel deployed by it at AIIMS, Rishikesh sites. The '**Client**' shall have no liability in this regard.
3. Any violation of instruction / agreement or suppression of facts will attract cancellation of agreement without any reference or any notice period.
4. In case of non-compliance with contract, the 'Client' reserves its right to:
 - a. Cancel / revoke the contract; and / or
 - b. Impose penalty up to 10% of the total value of the contract.
5. **Payment terms:** Bills in triplicate for the work completed by the selected Agency should be raised for payment. Payment shall be released after deducting TDS as per Income Tax Rules and any other deductions as per Government rules and payment shall be released only after it is ensured that the work quantity and quality of items supplied are to the entire satisfaction of this office. If any items are found to be defective, or not of the desired quality etc., the same shall be replaced by the selected Agency immediately for which no extra payment shall be made. 97.5% payment shall be made from each bill. If the 100% work is completed the bill shall be paid after deducting 2.5% as SD which shall be released after the 27 months with defect liability period after completion of complete work.
6. **Performance Guarantee:** The contractor shall submit performance guarantee 5% of the contract actual /tendered amount before issue of the work order within 14 days of acceptance letter received by contractor failure to which the EMD shall be forfeited.

7. The Agency shall be fully for timely payment of wages and any other dues to the personnel deployed by it at AIIMS, Rishikesh site.
8. The Agency also agrees to comply with annexed Terms and Conditions and Amendments thereto from time to time.
9. Decision of Client in regard to interpretation of the terms and conditions and the Agreement shall be final and binding on the Agency.
10. The Agency shall ensure full compliance of the Tax Laws of India with regard to the Contract and shall be solely responsible for the same. The Agency shall keep Client fully indemnified against liability of tax, interest, penalty etc. of the Agency in respect thereof, which may arise.
11. In case of any dispute between the Agency and Client, Client shall have the right to decide. However all matters of jurisdiction shall be at the local courts located at Rishikesh.

Signature/Seal of Client

Seal/ Signature of Agency.

This Agreement will take effect fromday of.....Two thousand seventeen, and shall be valid for ONE Year.

In Witness whereof both the parties here to have caused their respective common seals to be hereunto affixed / (or have hereunto set their respective hands and seals) the day and year mentioned above in Rishikesh in the presence of the witness.

For and on behalf of the Agency

For and on behalf of the AIIMS, Rishikesh

Signature of the authorized Official

Signature of the authorized Official

Name of the official

Name of the Official

Stamp /Seal of the Agency

Stamp/ seal of the Client

Signed Sealed and DELIVERED

Signed Sealed and DELIVERED

By the said.....

by the said.....

Name-----

Name-----

On Behalf of the Agency

On behalf of the AIIMS Rishikesh

In the presence of

In the presence of

Witness

Witness

Name.....

Name.....

Address.....

Address.....

PARTICULAR CONDITIONS OF CONTRACT

This item of specification relates to the design, drawing, supply of plant & equipment, erection, testing and commissioning of the Water softening plant. All Civil work related WSP will be done by civil contractor of the vendor but will be supervised & approved by WSP vendor and AIIMS Rishikesh from time to time. The scope of work includes the entire electrical, mechanical, piping work within WSP area. Electrical Power up to WSP main Electrical panel will be arranged by vendor's electrical contractor further distribution will be WSP vendor's scope. The work is required to be carried out on a **tender** covering a warranty of satisfactory performance as per standard laid for a minimum period of two year. The quoted priced shall be lump sum and cover entire work and services. The tenders shall acquire themselves with site conditions and survey the allocated area for treatment plant before submitting offers. All units of WSP will be near cooling tower except the pump in well and should be of outdoor type.

DESIGN INPUT DATA: -

Please refer the water process diagram & UGR layout for the project. Inlet to WSP will be from site well water / Bore well water as well as from domestic water (RNP water). For design purpose vendor shall considered water test report of raw water as given along with the tender, capacity of plant shall be 450LPM. Connection of RNP (Rishikesh Nagar Palika) water will be done to this raw water tank. From this raw water tank, water will be pumped to WSP units and treated water will be directly supplied to the sump of the cooling tower. All the vendors shall submit their Technical data for individual units in excel format only. Please note that pump from raw water tank to WSP is in vendor scope. Also piping from WSP to cooling tower is in vendor scope.

INSTRUMENTATION AND CONTROL EQUIPMENTS:-

These shall be adequately provided for an efficient, proper, trouble free operation and testing. Vendor shall detail out list of various equipment, instrumentation and controls provided along with cost and elaborate on control logics adopted for this plant.

INSPECTION AND COMMISSIONING:-

Testing and inspection in presence of AIIMS Engineers (Charges will be borned by tenderer).

- a) Mechanical and chemical testing shall be done for brought out material for vessels, fittings, valves, pumps and motor as required in codes / standards and test certificates shall be produced to the owner.
- b) All pipes shall be tested hydraulically at 1.5 times as that of working pressure.
- c) Dye penetration test shall be conducted for all weld joints.(only applicable for MS/GI piping)
- d) Performance test for pumps.
- e) Dimensional checks for all vessels including pressure testing.

COMMISSIONING:-

The commissioning shall be considered successful provided that the entire unit can operate continuously at the specified operating conditions and delivering the final results as per the specified requirements and meeting the stipulations laid down by client in annexure-A.

DRAWING / INFORMATION REQUIRED:- Along

with the proposal soft & hard copy

- a) Process and instrumentation diagram for the complete system clearly indicating the scope of supply.
- b) Process description of the entire system.
- c) General layout drawing
- d) Standard Catalogue
- e) List of suppliers for brought-out items.

- f) List of installation where similar type of work has been executed.
- g) List of necessary spare parts required for two years of operations.
- h) Design, drawing, providing, supply, erection and commissioning time schedule. From Successful vendor (6 copies + 1 soft copy)
- i) Final details of the items mentioned above for a,b,c,d
- j) Piping layout details with levels.
- k) Individual equipment GA and fabrication drawing along with design calculation.
- l) Necessary civil drawings.
- m) Operation and maintenance manual.
- n) Final as built drawing 6 hard copies duly stamped & signed and one soft copy.

Water Softening Plant Specification (450 LPM softening capacity output)

Fully Automated Remote controlled system.

6.0 TECHNICAL SPECIFICATION

Sl. No.	Description
6.1	Raw Water Storage Tank (By Client) considered Above ground.
6.2	Soft water Feed Pump
Quantity	2 Nos.(1W+1S)
Capacity	450 LPM
MOC	CI
Type	Monoblock
Make	Kirloskar,KSB,Grundfos
Head	35 M
Power	5 HP or as required
Motar	3 PH, 50 Hz ,400/440 Volt
RPM	1500
Protection	IP55
Impeller & Shaft	Stainless Steel
6.3	Water Softener
Quantity	2 Nos.
Capacity	450 LPM @35 mwc
MOC of Vessel	MSEP
Size	Dia. 1400 mm X 1600 mm HOS
Operating pressure	3.0 kg/cm ²
Testing Pressure	5.50 kg/cm ²
Media	Na ⁺ based Resin
Resin Qty	4700 lits
Type of valve	Individual Butterfly
Salt per charge in kgs as 100 %	250 kgs
6.4	Brine solution tank with Agitator
Quantity	1 No. (Common for two vessels)

Capacity	2500 Lit Or as Required
6.5	pH Correction system
pH Dosing tank	100 Lit. HDPE
Qty.	1 no.
pH Dosing pump	5 LPH –PP
Qty	1W+1S
6.6	Instruments
Rotameter	2 Nos
Level switch	2 nos
Pressure Gauges	10 Nos
6.7	Electrical Panel (Non –Compartmentalized)
Quantity	1 No Below 7.5 HP DOL and Above 5 HP Start Delta Stater t to be Used
Cabling (3 Core x 1.5 mm ²)	25 metrs (As per requirement)XLPE Armoured
Cabling (3 Core x 2.5 mm ²)	50 metrs (As per requirement) XLPE Armoured
Cable Tray (150mm Width)	45 metre
Note	All panels be door type
6.8	Laying of 40 mm GI Piping with fittings
	15 m
6.9	Laying of 65 mm GI Piping with fittings
	1080 m
6.10	Laying of 80 mmGI Piping with fittings
	250 m

NOTE:- The equipment's/items list given is tentatively however as per the design criteria the actual requirements be given to be needed for the smooth functioning of the WSP. All the equipment's/Items be of high quality, and of suitable make. All the Technical parameters of the equipment's be given in a tabular form under the Heading "Technical Specifications."

Raw Water Analysis Parameters

Sl. No.	CONSTITUENTS	Unit	Required parameters
1.	pH value (@ 25 degree C)	PPM	7.0
2.	Chlorides Ion	PPM	< 50
3.	Total Hardness (as CaCO ₃)	PPM	< 50
4.	Sulphuric Acid Ion	PPM	< 50
5.	Sulphide Ion	PPM	Should not be detected
6.	Silica in Ion State (as Silica SiO ₂)	PPM	< 30
7.	Total Iron	PPM	< 0.3
8.	Residual Free Chlorine	PPM	< 0.3
9.	Total Dissolved Solids	PPM	< 150
10.	Total Alkalinity (as CaCO ₃)	PPM	< 50
11.	Ammonium Ion	PPM	< 0.2

Executive Engineer (E)
AIIMS, Rishikesh

FINANCIAL BID

For Water softening plant Works at AIIMS Rishikesh. The price Bid should be kept in separate sealed envelope superscripting "Financial Bid for the 01/SE/AC&R/ Water Softening Plant /AIIMS Rishikesh /2017-18/for Water softening plant at AIIMS Rishikesh dated 05/08/2017. AIIMS RISHIKESH Authorities reserve the full rights to increase or decrease the quantities of items at the time of award of tender as per its actual requirement.

Signature of Bidder

FINANCIAL BID				
FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING				
SR.NO.	DESCRIPTION	QTY (No.)	RATE(Rs.) Unit Prices	AMOUNT
1	SOFTNER (Make:Water Wings,Radiant,Eureka,Thermax forbes,Ion Exchange, Unnati)	2		
	Capacity 450 LPM			
	Agitator (1300 litre)	1		
2	SOFT WATER FEEDPUMP :- Providing and Fixing horizontal /vertical on line Single /Multi Stage Raw Water Filter Feed Pumps mounting on a foundation (Necessary RCC Foundations as per requirement and as per instructions shall be provided by the agency).(Make:Kirloskar,KSB,Grundfos)			
	Capacity -450 LPM	2		
3	Providing and Fixing of ELECTRICAL Panel As per Soft water Plant Requirement, Below 7.5 HP DOL and Above 7.5 HP Start Delta Starter to be Used(Make:Advance,Adlec , Tricolite)	1 No		
4	Providing and Fixing of C.I "Y" Type Suction Stainer with Stainless Steel Perforated Sheet screen , Flanged ends inner Installed Outside Water Tanks.(Leader/Zoloto/Castle)			
	65mm Dia or Required Size and Number.	4 Nos.		
	80mm Dia or Required Size and Number.	4 Nos.		
5	Providing and Fixing of 40 mm NB(Min) Butter fly/Ball valve (Leader , Zoloto , Castle ,Sant, Normax)	3 Nos.		

6	Providing and Fixing of 65 mm NB(Min) Butter fly/Ball valve (Leader , Zoloto , Castle ,Sant, Normax)	8 Nos.		
7	Providing and Fixing of 80 mm NB (Min) Butter fly/Ball valve (Leader , Zoloto , Castle ,Sant, Normax)	8 Nos.		
8	Providing and Fixing of 65 mm Non Return Valve (Leader , Zoloto , Castle ,Sant, Normax)	4 No.		
9	Providing and Fixing of 80 mm Non Return Valve (Leader , Zoloto , Castle ,Sant, Normax)	4 No.		
10	Providing and Fixing of 65 mm Balancing Valve (Leader , Zoloto , Castle ,Sant, Normax)	4 No.		
11	Providing and Fixing of 80 mm Balancing Valve (Leader , Zoloto , Castle ,Sant, Normax)	4 No.		
10	Providing & Fixing Cable Tray (Make:Gloster,Kei,Polycab) Size - 150mm width	30 metre		
11	Providing and Fixing of Cable (Make:Gloster,Kei,Polycab) Size - 3 Core 1.5 mm ²	25 meter		
12	Providing and Fixing of Cable (Make:Gloster,Kei,Polycab) Size - 3 Core 2.5 mm ²	50 meter		
13	Providing and Fixing of Pressure gauges 100mm Dia Bourdon Type (Make:H guru, Wika) Range - (0-14 Kg/Cm ²)	8 Nos		
14	Providing and Fixing of Rotameter (Make:H guru, Wika)	2 Nos		
15	Providing and Fixing of Level Switch ((Make:H guru, Wika)	2 Nos		

16	Providing & Fixing of (Heavy Class) 40 mm GI pipe & GI fittings including trench laying and refilling as per DSR 2016 Item No. 18.12.5 (Make:Jindal,Hissar,Tata) (Trench Size - 100mm Width x 750mm Height)	15 Mtr.		
16	Providing & Fixing of (Heavy Class) 65 mm GI pipe & GI fittings including trench laying and refilling as per DSR 2016 Item No. 18.12.7 (Make:Jindal,Hissar,Tata) (Trench Size - 100mm Width x 750mm Height)	1080 mtr.		
17	Providing & Fixing of (Heavy Class) 80 mm GI pipe & GI fittings including trench laying and refilling as per DSR 2016 Item No.18.12.8 (Make:Jindal,Hissar,Tata) (Trench Size - 100mm Width x 750mm Height)	250 mtr.		
	Total Amount In Rs.	A		
	Installation and Commissioning (Excavation, Foundation/Supporting Structure/ fastening of supporting structure/Placing equipments) including GST	F		
	Total Amount of Erection & Commissioning In Rs.			

SCHEDULES

Schedule 'A' - The Bill of Quantities enclosed in this document.

Schedule 'B' - Schedule of materials proposed to be issued to the tenderer

NO MATERIAL SHALL BE ISSUED TO THE TENDERER BY AIIMS, Rishikesh.

Schedule 'C' - Schedule of tools and plants proposed to be hired to the tenderer

NO TOOLS AND PLANTS SHALL BE HIRED TO THE CONTRACTOR BY AIIMS Rishikesh

Schedule 'D' - Extra schedules for specific requirements / documents for the work, if any.

Schedule 'E' - Price escalation Clauses – 10C not applicable to this contract.

Name of work: Tender for Supply Installation, Testing & Commissioning of Water Softening Plant for HVAC System at AIIMS Rishikesh

Estimated cost of work : Rs.35 Lakh

Earnest money : Rs.70,000/-

Performance Guarantee: 5% of the tendered value

Security Deposit: 2.5% of the tendered value from each running bill will be Hold.

Schedule 'F'

General Rules and Directions:

Officer inviting tender: Executive Engineer, AIIMS Rishikesh

Definition

Engineer-in-charge Superintending Engineer, AIIMS,
Rishikesh

Accepting authority Superintending Engineer, AIIMS
Rishikesh

Percentage on cost of material and labour to cover all overheads and profit 15% Standard

Schedule of rates CPWD DSR 2016

Department AIIMS Rishikesh

Standard CPWD contract form **CPWD form 7/8 with up to date Modification and correction (Annexure 1)**

(Form 8 – Annexure 1 need not be enclosed in the Tender, however while signing the Agreement, this Annexure 1 also will be part of the agreement and signed copy will be enclosed with the agreement)

Clause 1

i.) Time allowed for submission of Performance

Guarantee from the date of issue of letter of 7 (seven) Days acceptance in days.

(ii) Maximum allowable extension beyond the period provided above 7(Seven) Days.

Clause 2

Authority for levying compensation under clause 2. : Director AIIMS Rishikesh

Clause 2a

Whether clause 2a shall be applicable: Not applicable.

Milestones to be achieved shall be as given below. NOT APPLICABLE

Time allowed for execution of work: 60 Days.

Authority to give fair and reasonable Extension of time for completion of work: Director AIIMS Rishikesh with recommendation of SE or Executive Engineer, AIIMS Rishikesh

Clause 6, 6A : Clause 6A shall be applicable.

Clause 7 :- Not applicable

Clause 10A - List of Testing equipment's to be provided as listed in this document.

Whether Clause 10B (i) (ii) (iii) shall be applicable: Not Applicable:

Clause 10 C = Applicable

10CA, 10CC - **NOT** applicable to this work.

Clause 11

Specification to be followed for execution of work CPWD Specifications 2016 Volume I to II , E & M and revised CPWD Specifications up to date, general specifications for electrical works part – I 2004, general specifications for electrical works part-IV Sub Station 2007.

Clause 16 – N A.

Clause 36(i) Technical Personnel to be employed at site. - Not Applicable

6.1 AIIMS Rishikesh reserves the right to select any of the make/brand and only those makes/brands will be allowed to use in the work. Nothing extra is payable even if there is cost difference between the make/brand of another.