



**NIMHANS/2019-20/IND539**

**Dated:19/11/19**

**TENDER NOTIFICATION  
(Through Karnataka e-procurement portal only)**

The Director, NIMHANS invites tender from eligible tenderers through the Karnataka Government E-Procurement portal for supply of following equipment.

Sl. No.	Name of the Item	Quantity	EMD
1.	Construction (Upgradation of existing 0.25 MLD STP) and supply, installation, testing and commissioning of electro mechanical equipments to 1.20 MLD sewage treatment plant at NIMAHNS campus	01	9,75,000/-

**Tender Schedule**

<b>Downloading of Tender documents from website - <a href="https://eproc.karnataka.gov.in/eportal/index.seam">https://eproc.karnataka.gov.in/eportal/index.seam</a></b>	From 19.11.2019 Onwards
<b>Last date for tender enquiry</b>	13.12.2019 upto 11:00 AM
<b>Tender submission last date and time</b>	16.12.2019 upto 11:00 AM
<b>Technical bid will be opened online by the authorized officer on</b>	17.12.2019 at 11:01 AM

**Sd/-,  
Director**

**Terms and conditions**

1. The bid documents for the above items should be **addressed to “The Director, National Institute of Mental Health & Neuro Sciences, Post Box No. 2900, Hosur Road, Bengaluru –560 029, Karnataka, India”** and should be uploaded in E Procurement portal only on or before the **due date**.
2. The tender bid should be valid for **four months** from the due date. **NIMHANS, Bengaluru will not take any responsibility for any technical issues.**
3. **Earnest Money Deposit (EMD):**
  - 3.1. The (EMD) shall be denominated in Indian Rupees and should be paid in the e-procurement portal as per the facility provided.
  - 3.2. The EMD shall not bear any interest and will be refunded to
    - a. Successful tenderer on receipt of Agreement and Bank Guarantee.
    - b. Unsuccessful tenderer upon finalization of tender bid and award of tender to successful bidder.
    - c. All the tenderers if the tendered item is cancelled or retendered.
    - d. EMD amount is exempted, if there is enclosed valid NSIC/MSME Certificate.

4. The tender documents and all correspondence's relating to the bid should be in **English language only.**
5. **Technical bid should comprise of (uploaded copy of documents should be self attested, stamped and better quality – preferably .pdf format) -**
  - 5.1 Brochure/Catalogue and Data sheet of the Turnkey project of the SEWAGE TREATMENT PLANT.
  - 5.2 Technical Compliance Statement
  - 5.3 Proprietary certificate from the manufacturer mentioning the unique technology or feature/s mentioned apart from the brand name (If applicable).
  - 5.4 Pre requirements required at the installation site (Before submitting the bid, the tenderer should make pre-visit to the installation site and indicate the requirement along with the price bid wherever necessary)
  - 5.5 Delivery Period of the item to be supplied and Time required for installation from the date of purchase order has to be indicated.
  - 5.6 List of Institutes where the equipment has been supplied with copy of purchase orders.
  - 5.7 Copy of GST, PAN, TIN document
  - 5.8 Whether tenderer is manufacturer / accredited agent / sole representative, indicate details of principal's name & address. The offers of tenderer who are not manufacturer or direct authorized agent will be summarily rejected. Sub- distributors will not be accepted.
  - 5.9 Non – blacklisting certification that the firm has not been blacklisted in the past by any government/Private institution and certification for No Vigilance/CBI case pending against the firm/supplier by making an affidavit on non – judicial stamp paper of Rs 100/-.
  - 5.10 Declaration towards acceptance of all terms and conditions should also be provided.
6. **Financial Bid should comprise of-**
  - 6.1. **Quotation should be only for DAP (Delivery at premises) i.e. NIMHANS Door Delivery Price** inclusive of main equipment cost, each article wise/spares rates, taxes, other Government levies, Customs duty, any local agency commission, transportation, delivery of the equipment to the Institute premises, installation and commissioning, Buy back, etc. with a detailed break up mentioning manufacturers name, License number and name of the brand/make, Turnkey cost for 1 year.
  - 6.2. Tender bids without price bid/quotation will be rejected.  
**Detailed breakup of the cost should be provided under icon “Action column” by clicking the % symbol which will be mentioned as Added statutory components.**
    - 6.2.1 In case of Import, Customs Duty will be considered only at 5.50% of the total Purchase order value and the required Customs clearance documents will be provided by NIMHANS on prior intimation (atleast 5 working days prior intimation) of shipment along with details and relevant documents from the supplier.
    - 6.2.2 If the tenderer is quoting in Indian Rupees (INR) for items NOT MANUFACTURING IN INDIA (NMIC), the CUSTOM DUTY EXEMPTION CERTIFICATE WILL NOT BE ISSUED BY THE INSTITUTE. The Rate quoted should be inclusive of Custom duty & other incidental charges.
  - 6.3. **Exchange rates for Foreign Currency will be considered as per the closing value on the tender last date. IF EXCHANGE RATES ARE NOT AVAILABLE FOR THE TENDER LAST DATE, THEN THE EXCHANGE RATE AS OF LAST CLOSING DAY SHALL BE CONSIDERED FOR EVALUATION PURPOSE.**

**7. Successful tenderer decision will be made on the basis of total cost of the turnkey project of SEWAGE TREATMENT PLANT (Inclusive of all miscellaneous charges as mentioned in detailed specification)**

8. The tender bids (technical and price bid) should be typewritten; every correction in the tender should be initialed along with seal by the tenderer, failing which the tender will be rejected. All pages of the bid submitted must be signed along with seal and sequentially numbered by the tenderer.

**9. Evaluation of Bids:-**

The technical bid of the tenderer will be evaluated to determine whether

- a. They are complete with respect to specifications.
- b. They are free from computational errors.
- c. The requisite documents have been submitted and properly signed.

**10. Tender Opening:**

- a. The Technical bids will be unlocked through E procurement portal in the Committee Room, Adjacent to Registrar Chamber, NIMHANS, Bengaluru on the date specified in the tender document.
- b. The Financial bid of the technically qualified tenderer/s only will be opened on a notified date.

11. Turnkey project SEWAGE TREATMENT PLANT and its accessories should be covered with **minimum warranty period of 5 years** for normal or regular wear & tear from the date of complete installation (Ready to use in all respects).

12. Supply of spares should be guaranteed for a minimum period of 10 years from the date of supply or from the date of cessation of production of the model for 10 years, whichever is later, at the rates prevailing against payment.

13. Any modification or revision of bids after submission will not be entertained under any circumstances.

14. A tenderer having once given a tender bid shall not withdraw it after its acceptance/opening and if does, the EMD paid by the tenderer will be forfeited and the tenderer is liable to make good the loss sustained.

15. The tenderer should submit the hard copy of the plan for turnket project of SEWAGE TREATMENT PLANT manual of the tendered s at the time of supply of the equipment.

16. Necessary training / instructions on operation of the system should be given by the qualified engineers of the tenderer firm to NIMHANS technical staff/s at free of cost after completion of the installation.

17. The successful tenderer should immediately submit an acceptance letter duly signed and sealed for the rate/s and offers agreed by both the parties to the Head of the Institution within reasonable time on receipt of the Purchase Order (Agreement Specimen will be enclosed with Purchase order & Stamp duty to be paid by the tenderer). The successful tenderer should also furnish a Bank guarantee only from a Nationalized bank to the extent of 10% of the total purchase order value, valid for 60 days beyond the completion of the warranty period of the equipment, no split period bank guarantee will be entertained.

In the event of the successful tenderer failed to supply the item/execute the agreement/submit the Bank Guarantee the EMD deposited by them shall stands forfeited.

**18. Payment terms:**

**18.1 NO ADVANCE PAYMENT TO THE SUPPLIER WILL BE ENTERTAINED. 100% payment through confirmed irrevocable Letter of Credit payable as follows:**

- a. 40% of the purchase order value will be released after presentation of the shipping documents, delivery of equipment and accessories at sight (Complete in all respects) & inspection certificate

jointly signed by the authorized End-User & by the First party. Till installation, equipment and accessories will be under custody of the supplier in NIMHANS Campus. In no case shall the inspection report and payment be delayed beyond 15 days from date of delivery at site.

- b. 30% of the purchase order value will be paid after the successful completion of the installation and commissioning of the Equipment including all Accessories on presentation of report jointly signed by the authorized End-User & by the First party. In no case shall the payment be delayed beyond 60 days after the Installation and Commissioning. Part payment will be released if second party requests the first party to delay the supply of accessories or part of equipment.
- c. 30% of the purchase order value will be paid after 6 months from the date of successful operation of the Equipment after commissioning and clearance of commissioning report jointly signed by the authorized End-User & by the First party.

**18.2.** In case of foreign payments made by Letter of Credit (LC) or wire transfer, bank incidental charges within India will be borne by the Institute and outside India should be borne by tenderer.

**18.3** Any amendment or extension of LC sought by the tenderer thereafter should be borne by the tenderer.

**19. Liquidated damages:**

In case of failure to supply, install or maintain the equipment within the stipulated period due to the fault of successful bidder, the bidder shall be liable to pay liquidated damages, at the rate of half percent per week reckoned on the contract price of that portion of the contract which is delayed subject to a maximum of 10 percent and the same will be recovered from the performance bank guarantee / invoice pending for payment.

**20. Uptime Guarantee:**

Penalty Clause for non-functioning of equipment in term of hardship to the Institute and financial loss to institute: 95% up time of 365 days (24 hours a day) that is from the day of successful handing over of the whole complex. The company takes the responsibility for the functioning of all the components and equipment, including the third party items supplied and included in the project. The total downtime annually for any reason/involvement of any of the components cannot exceed 5% (all inclusive). Subsequently if downtime exceeds 5% of 365 days, 1% of PO Value will be levied as penalty for every 24 hours of downtime until 7 days from the day of breakdown. If downtime exceeds 7 days the penalty will be 2% of PO Value from the date on which the equipment broke down beyond 5% permissible downtime. In addition to this, warranty period will be extended at double the rate of the downtime period.

**21.** If, at any time, during the said period, the supplier reduce the said prices of such Materials/Equipment or sales such Materials/Equipment to any other person/organization/ Institution at a price lower than the chargeable, the company shall forthwith notify such reduction or sale to the Director, NIMHANS and the price payable for the Materials supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

**22.** The losses to NIMHANS, Bengaluru, if any incurred on account of purchase made elsewhere by failure, neglect or refusal on the part of the tenderer to supply according to the terms of agreement will be recovered from them. If any article or things supplied by the tenderer have been partially or wholly used or consumed in the hospital and they are subsequently found to be in bad condition, unsound, inferior in quality or description, not in accordance with samples or otherwise faulty or unit for use,

the wholesome of the contract price or price of such articles or things will be recovered from the tenderer. The tenderer will not be entitled for any payment whatsoever, for such articles for infringements of the stipulation of the conditions or for justifiable reasons the contract may be terminated by the Director and the tenderer shall be liable for losses sustained by the NIMHANS on the consequences of the termination which may be recovered from the EMD/Bank Guarantee or from their invoices due to them. In the event of such amount being insufficient, the balance will be recovered personally from the tenderer.

23. Any corrections/changes in the tender will be uploaded as corrigendum in the NIMHANS and E procurement websites only.
24. If the tender opening date falls on any general/government/institute holiday(s), then the tender will be opened on the next working day of the institute, however the time remains unchanged.
25. The Director reserves the right of ordering/not ordering/cancelling/increase or decrease the quantity and to reject any or all tender quotations without assigning any reason. The decision of the Director, NIMHANS, Bengaluru, shall be final in all the controversies that may arise in the matter. Any dispute arising out of this will be subject to the jurisdiction of the Court in Bengaluru.
26. Failure to adhere any of the above terms and conditions the bid(s) may be rejected and EMD may be forfeited.
27. **None of the terms and conditions of the supplier shall be applicable to the purchase contemplated hereunder, irrespective of it being attached to any documents to be provided to NIMHANS. Such exercise shall have no meaning and binding effect unless the same is accepted by NIMHANS in writing.**

**NOTE: Please keep checking the NIMHANS and E-Procurement websites regularly for any further updates.**

**Sd/-,  
Director**

**DECLARATION**  
**(TO BE GIVEN BY THE TENDERER)**

**Name of the Item :**

Construction (Upgradation of existing 0.25 MLD STP) and supply, installation, testing and commissioning of electro mechanical equipments to 1.20 MLD sewage treatment plant at NIMAHNS campus (TURNKEY PROJECT).

**Name of the company:**.....

**To**

**The Director,  
National Institute of Mental Health & Neurosciences  
(Institute of National Importance)  
Post Box No. 2900,  
Hosur Road, Bengaluru – 560 029**

Dear Sir,

1. I/We hereby submit my/our tender for the .....
2. I/We have made requisite payment against EMD as per the tender document vide reference No. & date ....., else my tender bid may be 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 NIMHANS, in this connection including delivery, warranty, penalty etc. Quotations for each group are being submitted and shall be considered on their face value.
5. I/We undertake to sign the contract/agreement, if required, within reasonable time from the date of issue of the letter of acceptance, failing which our/my security money deposited may be forfeited and our/my name may be removed from the list of suppliers at the NIMHANS, Bengaluru.

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

**Yours faithfully,**

**Signature of Tenderer & seal**

**Specification:**

<b>Sl No</b>	<b>Description of the work</b>	<b>Unit</b>	<b>Quantity</b>
<b>1</b>	KSRB 2.2.2: Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m including breaking of clods complete as per specifications.in hard soil.No. KBS 2.1 (b) / 2.3.5	Cum	4250.00
<b>2</b>	KSRB 2.2.4: Excavation 1.5m and above in width in soft rock without blasting for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5m in depth, stacking the excavated stuff from edges of excavation with lead upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications. Specification No. KBS 2.1C / 2.9.4 / 2.18 / 2.19	Cum	500.00
<b>3</b>	KSRB 2.2.6: Excavation for foundation of buildings, water supply and sanitary lines and electrical conduits etc either in pits or in trenches 1.50 m and above in width in hard rock by chiselling and/or wedging, where blasting is prohibited not exceeding 1.50m depth including stacking the excavated stuff clear from the edges of excavation with lead upto 50m including cost labour HOM of equipment complete as per specifications.	Cum	250.00
<b>4</b>	KSRB 3.2: Providing and injecting chemical emulsion for Pre constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specification. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS 3.2.6 / 3.2.7	Sqm	1251.00
<b>5</b>	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications. Specification No. KBS 2.9	Cum	1100.00

<b>6</b>	KSRB 4.1.3: Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed,machine mixed concrete laid in layers not exceeding 15cms thick, well compacted, in foundation including cost of all materials, labour, HOM , curing complete as per specifications. Specification No. KBS 4.1.4.2 for	Cum	100.00
<b>7</b>	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15cm thick layers and well compacted, including vibrating,curing etc for all super structure works with all lead and lfit etc complete . (exclsive of cost of steel and fabrication charges) Ready mixed cement concrete M-30	Cum	900.00
<b>8</b>	KSRB 4.9.2: Providing T M T steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe 500	Tonne	83.00
<b>9</b>	KSRB 4.6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2.	Sqm	125.00
<b>10</b>	KSRB 4.6.5: Providing and removing centering, shuttering, strutting, propping etc and removal of form work for columns, pillars, , post and struts square/rectangular/polygon in plan including cost of all materials, labour complete as per Specifications. Specification No. KBS 4.6.2	Sqm	215.00
<b>11</b>	KSRB 4.6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per Specifications. Specification No. KBS 4.6.2	Sqm	2700.00
<b>12</b>	KSRB 4.6.3: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200mm including cost of all materials, labour complete as per Specifications. Specification No. KBS 4.6.2	Sqm	510.00



13	KSRB 4.6.11: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2.	Sqm	20.00
14	KSRB 5.14: Providing and constructig load bearing wall with solid concrete blocks having block density not less 1800 kg/m <sup>3</sup> having minimum avarage compressve strength of 4.00 N/mm <sup>2</sup> confirming to IS 2185(part 1) :2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc complete as per specifications. KBS No.5.4 with solid concrete blocks of size 400x150x200mm	Sqm	81.00
15	KSRB 15.3.11: Providing 20mm thick cement plaster in signle coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	650.00
16	KSRB 15.3.8: Providing 18mm thick cement plaster in signle coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	2600.00
17	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. with primer.	Sqm	60.00
18	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	650.00
19	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.	Sqm	60.00

20	Providing & fixing of 2 track x 2 panel sliding windows made out of multichambered UPVC (Matching to RAL-9016) sections and with minimum TiO <sub>2</sub> (Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron Profile through-out the window frame. The Outer frame having a overall size of 60 mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 58mm with GI reinforcement of 1mm for the frame and 1.5mm for the sash. Glazing bead for fixing of glass shall be of size 20mm x 24mm. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size - 1819mm x 1819 mm.	Sqm	10.00
21	KSRB 7.3: Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6mm angle iron, 3.15mm thick M. S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM complete as per specifications. Double leaf door of size 2.4x2.4m Specification No. KBS 7.9/7.12	Sqm	6.00
22	Fabrication, supplying and erecting M.S. tubular trusses of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall conform to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and welding wherever necessary and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification.	Kgs	501.00
23	Providing and fixing 12.5mm to 25mm expanded metal work of 14 gauge with Mathi or Nandi wood patties of 50mmx12mm size, including two coats approved paint etc., complete. (including cost of screws) including cost of materials ,labour ,hom complete as per specifications .	Sqm	15.00

24	Providing Trapezoidal Profiled Sheet; Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47mm +/- 0.02 mm tolerance Zinc- Alu Alloy coating AZ 150 gsm as per ASTM 1397/A755-550 mpa steel grade ,5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length to be fixed over the existing purlins,rafters,channels and trusses	Sqm	29.00
25	KSRB 10.3: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS 2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound. (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300X300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications.	Sqm	2600.00
26	Providing and fixing MS hand railing for Balcony/staircase etc with 50mm dia. M S hollow pipe of 14 gauge, welded to 20mmx20mm M S square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hold be cut to length, welded and grinded wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items	Sqm	202.00

	of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.		
<b>27</b>	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65 X 65 X 6 mm welded together and fixed in CC (1:2:4) with 2 Nos. 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lifts and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete) .including cost of materials ,labour,HOM complete as per specifications	Mtr	115.00
<b>28</b>	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles ( M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint..including cost of materials ,labour,HOM complete as per specifications	Mtr	215.00
<b>29</b>	Providing chain link fencing 50 mm size of 8 quage properly stretched between existing rectangular poles and fixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per direction of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. .including cost of materials ,labour,HOM complete as per specifications	Sqm	475.00
<b>30</b>	Shifting of debris with loading, unloading ,transporation charges for 20.0 KM with all lead and lift as per direction of the Engineer in charge of work	Cum	3900.00
<b>31</b>	SS Bar Screen : Supplying, fabricating,& fixing made out of SS304 grade, with flats 20x 6mm spaced at 14mm c/c with SS304 rake with GI class 'B' pipe handle, Size: 500mm x 1500mm x 3500 mm, placed at 45 degree to the vertical in the bar screen chamber in the groove formed out of SS304 angle of size 40 x 6 mm (top,bottom & sides) including cutting, welding, bending wherever necessary finished with matt / shining etc.,complete. cost of material and conveyance of all materials, labour for all item	Nos.	2

	of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.		
<b>32</b>	Equalization Tank Pumps : Make: Grundfos/ Jhosen/ Ebara/ CNP/ Kirloskar/ Equivalent: Supplying, Installing, Testing & Commissioning of Raw Effluent pumps Vertical Submersible, Cutter Type, Self Priming CI Body Impeller: Cast iron/Grey iron/A 48 coupled to 7.5 Hp, Three phase electrical motor, IP 68, Class F insulation,Earthing for motors complete.Provided with 1 No. MS pump header, 1No. Flap type MS NRV including necessary fittings like PVC braded hose, SS clamp, GI hose adaptor,elbow etc.complete. cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works. Cap: 60 Cu M/Hr at 15 Mts Head, end connections 80mm X 80mm.	Nos.	4
<b>33</b>	Coarse bubble diffusers : Supplying, Installing, Testing & Commissioning of Coarse bubble diffusers Heavy duty PVC pipe (10 kg/cm <sup>2</sup> ) with central Tee, Yoke, adaptor and end caps including nylon rope, braided hose of required length with all accessories like clamps, nipples etc., to make it retrievable type.Size: 90 dia x 1000mm long each. Cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	100
<b>34</b>	Fine pore diffusers : Supplying, Installing, Testing & Commissioning of Fine Bubble diffusers Heavy duty PVC pipe (10 kg/cm <sup>2</sup> ) with EPDM Membrane, central Tee, Yoke, adaptor and end caps including nylon rope, braided hose of required length with all accessories like clamps, nipples etc., to make it retrievable type.Size: 90 dia x 1000mm long. Cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	130

35	Air Blowers - (Everest /KAY/ TMVT/ Equivalent) : Supplying, Installing, Testing & Commissioning of Air Blowers - 1200 Cum/hr at 4500 MMWC Rotary twin/tri lobe design type Casing: Cast iron grade 25.Impeller: IS 210 grade FG 260 comprising of common base frame with suction / discharge silencers filters, NRV, Safety valves, pulley belt guard, pressure gauge etc. Provided with MS header, flap type NRV etc., Motor: Kirloskar / ABB / CG /BBL make 40 HP/1500 rpm, three phase. Foot mounted.IP 55, Class F Insulation.cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	3
36	Sludge Pumps: Grundfos/ Jhoson/ Ebara/ Kirloskar/ Equivalent : Supplying, Installing, Testing & Commissioning of Sludge pumps Pump casing: Cast Iron Impeller: Cast Iron Mechanical seal cover:Cast Iron Mechanical seal material: Carbon to ceramic Self Priming, non clog, CI Body/ impeller, centrifugal pump coupled to adequate HP motor, mounted on a common MS base frame epoxy painted with necessary bolts, nuts and with manifold.Earthing for motors complete. Provided with 1 No. MS pump header, MS tail piece, 2Nos. butterfly valve including necessary fittings like UPVC flange, valve, pipe, PVC elbow etc. Cap – 20 CuM/ Hr @ 15 Mtr Head Motor with Kirloskar/ ABB/ CG / BBL make foot mounted, 3 HP/2900 rpm, end connections 50mm X 50mm. Solid size handling - 35 to 40 mm. Three phase IP 55, Class F Insulation.cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	2
37	Decanter Mechanism : Supplying, Installing, Testing & Commissioning of fully automatic motorized Decant valve and accessories	Unit	1
38	Filter Press : Supplying, Installing, Testing & Commissioning of filter press. Polypropylene Filter Plates of size 800mm X 800mm, 20 numbers with filtration area 9.88 sq meter, Cake holding capacity :146.3 Litres and Operating pressure : 7 Bar Screw Pump For Filter Press: Supplying, Installing, Testing & Commissioning of screw pump for filter press, Capacity: 3-4 m3/hr at 7 bar pressure with 3 Hp,1450 rpm Motor, MS base frame, V Pulley Belt drive. Casing: Cast iron, Rotor: Alloy Steel HCP,	No.	1

	Stator: Nitrile, Pump Speed: 350 rpm. Cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.		
<b>39</b>	Filter Feed Pumps Grundfos/ Jhoson/ Ebara/ Kirloskar/ Equivalent: Supplying, Installing, Testing & Commissioning of Filter Feed Pumps Self Priming, Monobloc, Non clog, CI Body/ impeller, centrifugal pump coupled to adequate HP motor, mounted on a common MS base frame epoxy painted with necessary bolts, nuts and with manifold.Earthing for motors complete. Provided with 1 No. MS pump header, MS tail piece, 2 Nos. butterfly valve including necessary fittings like UPVC flange, valve, pipe, PVC elbow etc.Cap – 100 CuM/ Hr @ 35 Mtr Head, Motor with Kirloskar/ ABB/ CG/ BBL make foot mounted, 20 HP/2900 rpm, end connections 100mm X 80mm.Three phase. IP 55, Class F Insulation.cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	4
<b>40</b>	Pressure Sand Filter : Supplying, Installing, Testing & Commissioning of Pressure Sand Filter of MS fabricated, shell thickness: 6mm dish thickness: 6 mm and painted internally with two coats of Epoxy black and externally with one coat of redoxide primer and above that a layer of two coats of enamel paint. Filtering media: Graded Gravel/Sand. Working pressure: 3.5 kg/cm <sup>2</sup> & Testing pressure: 5 kg/cm <sup>2</sup> . Minimum depth of media: 1000mm & Minimum depth of sand: 600mm The filter is fitted with top inlet distribution and bottom collection system. Pressure gauge is provided at inlet and outlet. Complete set of valves, pressure guage, frontal piping at inlet, outlet backwash and drain out point etc., with MS class 'B' pipes (make: Jindal) Flow - 10m <sup>3</sup> /m <sup>2</sup> /hr. Dia: 2000 mm, HOS – 1200 mm, TH – 2200mm cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	2

41	Activated Carbon Filter : Supplying, Installing, Testing & Commissioning of Activated Carbon Filter MS fabricated, shell thickness: 6mm dish thickness: 6mm and painted internally with two coats of Epoxy black and externally with one coat of red oxide primer and above that a layer of two coats of enamel paint. Filtering media: Greanular Activated Carbon. Iodine Absorption - 900 mg/g, Apparent density - 410 kg/m3. Working pressure: 3.5 kg/cm2 & Testing pressure: 5 kg/cm2 The filter is fitted with top inlet distribution and bottom collection system. Pressure gauge is provided at inlet and outlet. Complete set of valves, pressure guage, frontal piping at inlet, outlet backwash and drain out point etc., with MS class 'B' pipes (make: Jindal/TATA/ equivalent) Flow - 10m3/m2/hr Dia: 2000mm, HOS – 1200mm, TH – 2200mm cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works	Nos.	2
42	UF Feed Pumps Grundfos/ Jhoson/ Ebara/ Kirloskar/ Equivalent: Supplying, Installing, Testing & Commissioning of Filter Feed Pumps Self Priming, non clog, CI Body/ impeller, centrifugal pump coupled to adequate HP motor, mounted on a common MS base frame epoxy painted with necessary bolts, nuts and with manifold.Earthing for motors complete. Provided with 1 No. MS pump header, MS tail piece, 2 Nos. butterfly valve including necessary fittings like UPVC flange, valve, pipe, PVC elbow etc. Cap – 60 CuM/ Hr @ 25 Mtr Head, Motor with Kirloskar/ABB/CG make foot mounted, 18 HP/2900 rpm, end connections 80mm X 80mm.Three phase. IP 55, Class F Insulation.cost of material and conveyance of all materials, labour for all item of work, HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	2
43	Ultra Filtration Unit: Supplying, Installing,Complete automizing, Testing & Commissioning of UF unit with Hollow Fiber type structure, 45 m2/unit membrane filtration area, pH Range - 2 to 10, Reinforced ABS and PVC housing, Pore size - 0.025 micrometer. Material of construction Membrane - PVDF, PESM, Maximum operating pressure 4 Bar	Unit	1



44	<p>Ultra Filtration Backwash Pump Grundfos/ Jhomon/ Ebara/ Kirloskar/ Equivalent: Supplying, Installing, Automizing, Testing &amp; Commissioning of Ultra Filtration Feed Pumps Self Priming, non clog, CI Body/ impeller, centrifugal pump coupled to adequate HP motor, mounted on a common MS base frame epoxy painted with necessary bolts, nuts and with manifold. Earthing for motors complete. Provided with 1 No. MS pump header, MS tail piece, 2 Nos. butterfly valve including necessary fittings like UPVC flange, valve, pipe, PVC elbow etc. Cap – 100 CuM/ Hr @ 20 Mtr Head, Motor with Kirloskar/ABB/CG make foot mounted, 5 HP/2900 rpm, Three phase. IP 55, Class F Insulation. Cost of material and conveyance of all materials, labour for all item of work, HOM of equipment charges and all ther incidental charges etc., complete as per the specification &amp; directions of the Engineer-in -charge of the works.</p>	Nos.	1
45	<p>Ionic Oxidation unit (Standard make): Supplying, Installing, Testing &amp; Commissioning of Ionic Oxidation unit. Process involves in-situ generation of reactive oxygen species for removal of organic matter and to disinfect, with a hydrodynamic range of 30 cum/hr to 50 cum/hr, FAC production 150 g/cum to 250g/cum. Supplying, commissioning of suitable pump to the disinfection unit. DC Power source: Supplying ,installation of DC regulated power supply unit of type- IGBT based switch mode power supply with forced air cooled, IP 32 Protection over voltage, over current, single phase, over temperature. Input power 3 phase supply, Output Volatge 0- 60 DC, Rated current 0- 100 ADC, independently variable, constant power source, Output ripple less than 1 percent. Al powder coated rack to accommodate power supplies, polarity reversal unit along with filters and fans. Cost of material and conveyance of all materials, labour for all item of work, HOM of equipment charges and all other incidental charges etc., complete as per the specification &amp; directions of the Engineer-in -charge of the works.</p>	No's	1

46	Clear/ Garden Water Pumps: Jhoson/ Ebara/ Kirloskar/ Equivalent: Supplying, Installing, Testing & Commissioning of Booster Pumps Self Priming, non clog, CI Body/ impeller, centrifugal pump coupled to adequate HP motor, mounted on a common MS base frame epoxy painted with necessary bolts, nuts and with manifold. Purpose is to pump the treated water to the storage tank located behind the quatrus Earthing for motors complete. Provided with 1 No. MS pump header, MS tail piece, 2 Nos. butterfly valve including necessary fittings like UPVC flange, valve, pipe, PVC elbow etc. Cap - 60 CuM/ Hr @ 100 Mtr Head, Motor with Kirloskar/ABB/CG make foot mounted, 7.5 HP/2900 rpm, Three phase. IP 55, Class F Insulation.cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works.	Nos.	2
47	In-Plant piping: Supplying, Installing, Testing & Commissioning of All plant piping shall be in MS Class 'B', epoxy painted & designed for following velocities & of Tata / Jindal make. Pressure Rating : cPVC -10 kg/cm2, MS - 15 kg/cm2 All valves (Butterfly valves, Gate Valves, Non Return Valves, etc.) shall be of CI, B/F type with SS flaps/seal, lever operated matching MS flanges & SS304 through bolts, AUDCO make.cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc.,	Lot	1
48	In-Plant electricals and PLC Automation : Supplying, Installing, Testing & Commissioning of Plant electricals and PLC panel Non- Compartmentalized Design Floor Mounted, Dust and vermin proof design, To degree of IP 54 as per IS 13947, Phosphated and powder Coated with Siemens grey color. The panel will have Voltmeter, Ammeter, Energy meter and indicating lamps for the pumps on outgoing side to indicate the operation mode. POWERWIRING: Al Armored cable, with GI ladder type cable tray.cost of material and conveyance of all materials, labour for all item of work,HOM of equipment charges and all other incidental charges etc.,The in-plant electricals include, 1.1KV grade XLPE insulated and PVC sheathed aluminium conductor armoured standard power cables confirming to IS 7098of sizes, 2 core-4 Sqmm, 2 core-10 Sqmm, 3 core-4 Sqmm, 3 core-25 Sqmm, 4 core-10 Sqmm along with respective sizes Aluminium lugs. Also perforated cable trayincluding vertical and horizontal bends, reducers, tees, cross members and other accessories.	Lot	1

	Point wiring with modular switches and sockets, Concealed conduit wiring for primary light point with 1.5 Sqmm, 1.1KV grade single core wire.		
49	O & M of commissioned STP for the period of 1 year including 3 shift operation, supervision, consumables, chemicals and necessary spares required for maintenance and including analysis of raw sewage & treated water.	Months	12
50	Supplying, fixing and wiring earth electrode for grounding of sophisticated medical equipments, lifts, transformers, DG sets etc using 40mm dia 2.9 mm thick 2.5 meter long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 600x600x600mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 600mm around with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts and the work should be carried out as per the instruction of the engineer in charge	Each	2.00
51	Supplying and running of GI/Copper strips for grounding connections using necessary fixing materials as required for 25x3mm Copper strip	Mtr	50.00
52	Supplying and fixing (600x600x6) mm copper plate in existing GI pipe with copper bolt and nuts	Each	2.00
53	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 for 3.5 core 240 sqmm	Mtr	290.00
54	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. For 185 sqmm to 240 sqmm	Mtr.	290.00
55	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) for Asphalt cutting	Mtr	175.00
56	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable.	Mtr	150.00

57	Concealed Conduit System;Supplying heavy gauge PVC conduit pipe 19/20 mm dia 2 mm thick confirming to IS 2509 with suitable size bends,metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab.The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures ,run with 18 SWG GI fish wire wherever necessary.	Mtr	30.00
58	Concealed Conduit System; Supplying heavy gauge PVC conduit pipe 25 mm dia 2 mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures ,run with 18 SWG GI fish wire wherever necessary.	Mtr	50.00
59	Supplying and Fixing Metal Fan Box with round hook	Each	4.00
60	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2 X 1.5 Sqmm (Phase & Neutral) & 1 x 1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (Confirming to IS -694 latest amendments ) without control switch shall be fixed on existing plastic sheet/gang box the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet, for Short point upto 3 Mtr from tapping point to out let via switch box	Point	4.00
61	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2 X 1.5 Sqmm (Phase & Neutral) & 1 x 1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (Confirming to IS -694 latest amendments ) without control switch shall be fixed on existing plastic sheet/gang box the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet, for Medium point above 3 Mtr upto 6 mtr from tapping point to out let via switch box	Point	4.00
62	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2 X 1.5 Sqmm (Phase & Neutral) & 1 x 1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (Confirming to IS -694 latest amendments ) without control switch shall be fixed on existing plastic sheet/gang box the other end of the wires shall be terminated with sufficient loose length	Point	6.00

	in a wood/PVC round block. complete for each outlet, for Long point above 6 Mtr upto 10 mtr from tapping point to out let via switch box		
<b>63</b>	Wiring for lighting /power circuit using one of FRLS PVC insulated 1100 V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. for 2.5 sqmm	Mtr	100.00
<b>64</b>	Wiring for lighting /power circuit using one of FRLS PVC insulated 1100 V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. for 4 sqmm	Mtr	100.00
<b>65</b>	Supplying and flush mounting powder coated/galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/stone/CC wall for 16-18 Way	Each	4.00
<b>66</b>	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. For 16-18 Module	Each	4.00
<b>67</b>	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293 for 6 Amps one way Switch	Each	20.00
<b>68</b>	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293 for 6 Amps 3 way socket	Each	5.00
<b>69</b>	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293 for 32 Amps D P switch	Each	5.00
<b>70</b>	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293 for 6 /16 Amps universal socket	Each	5.00

**General conditions & technical conditions for construction, supplying, installation, testing & commissioning of Electromechanical equipments at NIMHANS**

**Condition, Instructions to bidder (General conditions)**

SI No	Conditions
1	Tenders from joint ventures are not acceptable.
2	Bidders shall not be under a declaration of ineligibility for corrupt and Fraudulent practices issued by State/Central Government.
3	The Bidder shall ensure credit of Tender processing Fee and EMD in to the respective Receiving bank accounts of e-procurement on or before the last date of bid submission.
4	The tenderer is required to ensure browser compatibility of the computer well in advance from the last date and time for receipt of tenders. The departments shall not be responsible for non-accessibility of e-procurement portal due to internet connectivity issues and technical glitches.
5	EMD Payments through e-payment mode shall be made as one single transaction and payments made in part are liable for rejection
6	The tenderer should have registered in Government of Karnataka e-procurement platform.
7	Annual turnover for the last 5 years i.e., 2014-15, 2015-16, 2016-17, 2017- 18 and 2018-19.
8	The tenderer should furnish copy of income tax returns for last three years along with PAN Nos. (PAN card).
9	The tenderer should furnish Registration Certificate of GST.
10	The tenderer has to furnish the details of the Head Office and Office at Bangalore (if any including telephone numbers, e-mail address, the fax and the mobile numbers of the person whom) to be contacted.
11	All the documents including details of EMD & processing fees are to be mentioned in the Technical bid only (as per e-procurement options).
12	All the documents to be furnished are to be attested by the Gazetted Officer or by a Notary.
13	The tenders will be evaluated as per G.O. No.FD 4 PCL 2008 Bangalore Dt: 14.10.2008 and any amendments there on also.
14	Tenderer has to accept the Terms and conditions mentioned in the Tender document. If the tenderer fails to comply with any of the conditions in the technical bid, their financial bid will be liable to be rejected.
15	Tenderers shall quote for all the items. Otherwise his tender shall be rejected.
16	Prosperous tenderers are requested to visit the NIMHANS website regularly till this tender process is complete, for any amendment/clarification notified if any. It will not be published in any other form.
17	All the works are to be carried out as per the standard specifications issued from time to time by BIS and as per the relevant IS codes.
18	In the case of the death of a contractor after executing the agreement/commencement of the work, his legal heir, if is an eligible registered contractor and is willing, can execute and complete the work at the accepted tender rates irrespective of the cost of the work.
19	If the dates mentioned happens to be institute holiday the next working day should be considered.
20	The Director, reserves the right for accepting or rejecting any or all application/tender for this work without assigning any reasons at any stage.
21	Visit NIMHANS website at : <a href="http://www.nimhans.ac.in/nimhans">http://www.nimhans.ac.in/nimhans</a> for all other details and conditions.
22	English are the bid language.
23	Any other required details/clarification can be had from this office during working hours.
24	Invariably give the local office address and phone No. if registered office is not situated in

	Bangalore and the signing authority of the company etc.,
25	Typographical error or any other mistakes shall be to the advantage of NIMHANS.
26	All the documents submitted should be attested by the gazetted officer and are subject to verification with the originals.
27	Conditional tenders will not be accepted.
28	Statutory recoveries as and when imposed by the Central Government and state Government such as taxes and cess etc., shall be recovered in the bills payable to the contractor.
29	Quoted rate should be inclusive of all taxes, octroi, workers welfare cess, Royalty charges etc., No extra rate will be given in this regard.
30	The contractor should make his own arrangements for water supply required for the work. If departmental (NIMHANS) water is used, 1% (one percent) of the bill amount will be recovered. In case of use of power/electricity, 1% (one percent) of the bill amount will be recovered irrespective of Usage for this work.
31	Providing false or incomplete information shall be a cause for rejection of the tender.
32	No advance payment shall be paid for the successful bidder.
33	No. escalation in this contract.
34	As the Govt of India has implemented Goods and services tax(GST) from 1.7.2017.Hence bidders are requested to quote according in lieu of taxes, duties etc
35	The employer is not responsible for any delay in accessing e-procurement portal.
36	Royalty on construction materials and other taxes will be deducted as per prevailing Government orders.
37	As per Karnataka state Government order LD/300/LET/2006 Blore dated 01.01.2007 and Government letter No.PW/134/BMS/2007 dated: 27.07.2007, a sum amounting to 1% of the bill amount will be deducted towards constructions labour welfare fund.
38	All the formats prescribed in the bid document shall be filled by the tenderer in complete manner otherwise it will be rejected.
39	Original documents/Certificates for qualification shall be produced at the time of opening of technical bid.
40	All scanned documents to be uploaded shall be in original and the Executive Engineer reserves the right to verify the documents at the time of opening technical bid, Including as and when required and called for.
41	Materials required for the work shall be procured by the tenderer themselves and should get tested by the quality control authority before use on the work at his cost and risk.
	If the numbers of page to be attached in one particular attachment is more, then all the pages can be put into one folder, zipped and then attached or else all the pages can be pasted in one word file and then this word file could be converted to PDF (portable documents format) format and then attached. (Please contract Help Desk of E-procurement for more assistance).
43	The Bidder shall ensure credit of Tender Processing fee and EMD into the respective receiving bank accounts of e-procurement on or before the last date of bid submission.
44	Any dispute/legal matters in this tender shall be settled in Bangalore jurisdiction only.
45	Duly filled in detailed with no omission in e-procurement.
46	All the items rates quoted in the tender include all lead, lifts, loading, unloading, transportation, labour, hire charges of machinery, curing, cost and conveyance of all materials and all such incidental charges for successful completion of the works as per the detailed technical specification and direction of Engineer-in –charge of the work.
47	Contractor should follow strictly the prevailing rules of labour act as per GOI.
48	Arbitrary clause is not applicable for this work.
49	The cost of the tender form shall not be refundable

50	The contractor is responsible for safety and security of all materials
51	The quantities shown in the schedule are approximate .The actual quantities will be executed as per site conditions only. Any balance materials shall be taken back by the contractor
52	The use of filtered sand is totally banned in all items of civil works.
53	The contractor shall not deviate/alter/execute excess quantities or additional items without the prior approval
54	Financial year will be reckoned as the period between first day of April and thirty-first day of March both inclusive
55	The tenderer shall give information of any litigations of the previous works in the format given in the tender document
56	Department will not supply any materials.

**Annexure-A : Tender technical qualification criteria**

SL No	Description	Criteria	Document
1	The tenderer should have registered in Government of Karnataka e-procurement platform.	Registration	Registration certificate
2	The tenderer has to furnish the details of the Head Office and Office at Bangalore including telephone numbers, e-mail address, the fax and the mobile numbers of the person whom to be contacted.	Address proof	Relevant details
3	The tenderer should furnish the Company profile.	Capabilities of vendor	Relevant details
4	The tenderer should furnish Annual turnover for the last 5 years ie., 2014-15, 2015-16, 2016-17, 2017-18,2018-19 In support of this claim, he has to provide year wise audited statement of account duly certified by the chartered accountant.	Financial status	Balance sheet
5	The tenderer should furnish existing commitments and on-going works. This has to be supported by a certificate issued by the officer not below the rank of an Executive Engineer.	Work experience	Relevant Details
6	The tenderer has to furnish the details of Technical personnel working/ Associated with him, like Environmental Engineer, project engineer and materials Engineer not less than 10 experiences in similar field including qualification and experience of individuals are to be mentioned.	Capabilities of vendor	Relevant details
7	The tenderer shall give information of any litigation of the previous works.	Past Experience	Relevant details
8	The tenderer should furnish copy of income tax returns for last three years along with PAN Nos. (PAN card copy)	Financial status	Relevant details
9	The tenderer should furnish Registration Certificate of GST	Financial status	GST registration,
10	The latest solvency certificate after this notification for the work for which the tenders are invited to be enclosed in the name of Director NIMHANS Bangalore. The value of Solvency certificate should not be less than <b>Rs 136.00 lakhs.</b>	Financial status	Latest solvency certificate
11	Commercial documents including details of EMD and processing fees are to be mentioned in the Technical bid only (as per e-procurement options).	Documents	Relevant details



12	All the documents to be furnished are to be attested by a Gazetted Officer or by a Notary.	Documents	Relevant details
13	The tenderer has to produce the licences of himself and the agencies associated with him for executing electrical, water supply, plumbing, sanitary and civil works.	Associated agencies	Relevant details
14	Mandating satisfactorily completed, as a prime contractor, at least one similar type of Supplying, installing, testing and commissioning of electro mechanical with chemical filtration followed by filtration, softening, advanced oxidation process preferably pertaining to hospital during the financial year's .ie between 2013-14to2018-19, in any, Government the value of work shall not be less than <b>Rs.226.00 lakhs</b> . This has to be supported by the certificate issued by the officer not below the rank of an Executive Engineer.	Past Experience	Relevant details
15	The tenderer shall produce Banker's certificates towards availability of credit/over draft facility from any scheduled bank for a sum equivalent to <b>Rs.150.00 lakhs</b> , (The latest Banker's certificate after this notification)	Financial status	Relevant details
16	The documents of enclosed scan copy shall be original and to be produced when insisted	Documents	Relevant details
17	The tenderer has to furnish reports on the financial standing of tenderer ,such as profit and loss statements and auditors reports for the last five years	Financial status	Relevant details
18	The tenderer shall give the details of the work performed as Prime contractor (in the same name) on works of similar nature during the year.ie between 2013-14 to 2018-19	Past Experience	Relevant details
19	Tender should produced technical details/technology proposed for this work	Capabilities of vendor	Relevant details
20	The tenderer shall give the details of the works for which tenders already submitted .The certificate enclosed should be enclosed in the agency 's letter head	Capabilities of vendor	Relevant details
21	Tenderer should produced EIS/PF	Capabilities of vendor	Relevant details
22	Tenderer should produced the registration of small scale industries/MSME	Registration	Registration certificate
23	Civil/Electrical/Electro mechanical contractor / registered firms who are expertise and competent enough to carryout similar nature of work should produced relevant document	Past Experience	Relevant details

24	The Necessary design and drawings including elevation are to be got done from a reputed technical firm by the agency itself as suggested by NIMHANS and the same is to be submitted to NIMHANS for approval before carrying out the work.	Capabilities of vendor	To be accepted in the agency letter head
25	Tenderer should have experience in ionic disinfection technology. The relevant documents showing the said technology in the Govt Hospitals same to be uploaded.	Capabilities of vendor	Relevant details
26	The tender should preferably use the latest technology which completely eliminates the use of harmful toxic chemicals etc. The relevant documents showing the said technology in the Govt Hospitals same to be uploaded.	Capabilities of vendor	Relevant details
27	The tender should be well-versed & skilled in use of sensitive & sophisticated instruments for measurement of critical parameters. The relevant documents showing the said technology in the Govt Hospitals same to be uploaded.	Capabilities of vendor	Relevant details
28	Non – blacklisting certification that the firm has not been blacklisted in the past by any government/Private institution and certification for No Vigilance/CBI case pending against the firm/supplier by making an affidavit on non – judicial stamp paper of Rs 100/-	Non – blacklisting certification	Relevant stamp paper
29	Delivery of Turnkey Project to EE by 9 Months, otherwise Penalty will be imposed as per the institute rule and regulation.	Declaration certificate	Relevant details

