



E-Procurement Tender No. NIMHANS/2019-20/IND292

02.07.2019

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 | Qty | EMD |
|---------|---|-----|---------------|
| 1. | CONSTRUCTION,SUPPLYING, INSTALLATION, TESTING AND COMMISSIONING OF ELECTRO MECHANICAL EQUIPMENTS TO 100 KLD SEWAGE TREATMENT PLANT INCLUDING OPERATION AND MAINTENANCE OF PLANT FOR A PERIOD OF ONE YEAR AT RMHC AT SAKAKWARA CAMPUS OF NIMHANS (TURNKEY PROJECT) | 01 | Rs 2,65,000/- |

Tender Schedule

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|--|--------------------------|
| Downloading of Tender documents from website - https://eproc.karnataka.gov.in/eportal/index.seam | From 02.07.2019 Onwards |
| Last date for tender enquiry | 01.08.2019 upto 11:00 AM |
| Tender submission last date and time | 02.08.2019 upto 11:00 AM |
| Technical bid will be opened online by the authorized officer on | 03.08.2019 at 11:00 AM |

Sd/-,
Director

TENDER DOCUMENT
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.



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- 3.2.** The EMD shall not bear any interest and will be refunded to Successful tenderer on receipt of Agreement and Bank Guarantee.
- Unsuccessful tenderer upon finalization of tender bid and award of tender to successful bidder.
 - All the tenderers if the tendered item is cancelled or retendered.
 - EMD amount is exempted; if there enclose 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 as per the Annexure-A (uploaded copy of documents should be self attested, stamped and better quality – preferably .pdf format) -**
- 5.1** 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.
- 5.2** 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/-.
- 5.3** 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.



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- 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 100 KLD 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

- Bidder has to quote for all the items in the civil and electrical items as per the specification, which is mandatory; the final L1 is derived from combining both the civil and electrical items together.**
- Bidder has to quote for each item in the eprocurement price bid.**
- They are complete with respect to specifications.
- They are free from computational errors.
- The requisite documents have been submitted and properly signed.

10 Tender Opening:

- 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 presence of tenderers or their representatives who choose to attend. The Tenderers' or representatives who are present shall submit authorization letter along with copy of Photo id proof and shall sign a register evidencing their attendance.
 - The Financial bid of the technically qualified tenderer/s only will be opened on a notified date.
- 11 Turnkey project 100 KLD SEWAGE TREATMENT PLANT and its accessories should be covered with **minimum warranty period of 2 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 turnkey project of 100 KLD SEWAGE TREATMENT PLANT manual of the tendered s at the time of supply of the equipment.



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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:

- a. **NO ADVANCE PAYMENT TO THE SUPPLIER WILL BE ENTERTAINED.** Payment will be made as per the enduser confirmation towards CONSTRUCTION,SUPPLYING, INSTALLATION, TESTING AND COMMISSIONING OF ELECTRO MECHANICAL EQUIPMENTS TO 100 KLD SEWAGE TREATMENT PLANT AT RMHC AT SAKAKWARA CAMPUS OF NIMHANS (TURNKEY PROJECT) based on the clearance of commissioning report jointly signed by the authorized End-User from HOES, NIMHANS.
- b. The specification of the civil and electrical in the tender document is as per the site visit, it may increase or decrease in quantity, the payment will be made as per the actual execution of work order. While quoting in the e-procurement you are informed to quote for each item vise in quantity as per the specification of the civil and electrical.
- c. At point No. 77 of the specification is AMC of the plant for 12 months, this will be executed after sucessful completion of the work and Payment will be paid monthly basis after the site completion work.

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.



18.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.

19. 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.
20. 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.
21. Any corrections/changes in the tender will be uploaded as corrigendum in the NIMHANS and E procurement websites only.
22. 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.



(Institute of National Importance), Bengaluru- 560 029

Phone 26995023/5913/5923/5024/5025/5780 Website <http://www.nimhans.ac.in/tender>
Fax 080-26571563/26564830/2121/6811 E-mail aaos@nimhans.ac.in



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23. 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.

24. Failure to adhere any of the above terms and conditions the bid(s) may be rejected and EMD may be forfeited.

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**



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DECLARATION
(TO BE GIVEN BY THE TENDERER)

Name of the Item : CONSTRUCTION ,SUPPLYING, INSTALLATION, TESTING AND COMMISSIONING OF ELECTRO MECHANICAL EQUIPMENTS TO 100 KLD SEWAGE TREATMENT PLANT INCLUDING OPERATION AND MAINTENANCE OF PLANT FOR A PERIOD OF ONE YEAR AT RMHC AT SAKAKWARA CAMPUS OF NIMHANS (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

NAME OF THE ITEM; CONSTRUCTION ,SUPPLYING,INSTALLATION,TESTING AND COMMISSIONING OF ELECTRO MECHANICAL EQUIPMENTS TO 100 KLD SEWAGE TREATMENT PLANT INCLUDING OPERATION AND MAINTENANCE OF PLANT FOR A PERIOD OF ONE YEAR AT RMHC AT SAKAKWARA CAMPUS OF NIMHANS

Part-A SPECIFICATION

| SI No. | Description of work | Unit | Quantity |
|--------|---|------|----------|
| 1 | KSRB 2.2.2: Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits 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 50m after breaking of clods complete as per specifications. Specification No. KBS 2.1 (b) / 2.3.5 | Cum | 725.00 |
| 2 | 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, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, 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 | 125.00 |
| 3 | KSRB 4.1.3: Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement @ 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 of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2 | Cum | 38.00 |
| 4 | 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 | 450.00 |
| 5 | KSRB 4.6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per Specifications up to 3.50 m from ground level. Specification No. KBS 4.6.2 | Sqm | 100.00 |
| 6 | KSRB 4.6.10: Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 | Sqm | 6.00 |
| 7 | KSRB 4.6.8: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 | Sqm | 40.00 |

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| 8 | KSRB 4.2.1: Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70 cum and fine aggregates @ 0.47cum, with superplasticiser @ 3 Ltrs confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached plasters, column pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6 | Cum | 132.00 |
| 9 | KSRB 4.2.11: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20 Kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.05865cum and fine aggregates @ 0.0391cum, with superplasticiser @ 0.225 ltrs., machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6 | Sqm | 6.00 |
| 10 | KSRB 4.9.2: Providing TMT 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 of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe 500 | Tonne | 14.00 |
| 11 | KSRB 6.2.4: Providing and constructing burnt brick masonry with approved quality of non- modular bricks of standard size of class designation 5.0 Newton per sqmm with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specification. Specification No. KBS 6.2 | Cum | 30.00 |
| 12 | KSRB 5.2.3: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in course not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 | Cum | 10.00 |
| 13 | KSRB 7.9: Providing and fixing MS grill work for windows and ventilators using MS flats, or MS square rods, or combination of MS flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifcations. Specification No. KBS 7.12 | Kg | 300.00 |
| 14 | KSRB 7.10: Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section o f size 61.85x31.75mm with 1.2mm thcik, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm thick weight 0.659 kg/m: and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m: shutter outer side 40mmx18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc., and | | |

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| | providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenoned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS-do- using aluminium section powdered coated to a minimum of 60 - 70 microns with exterior durable pure polyester grade powder of approved quality. | Sqm | 14.00 |
| 15 | KSRB 15.3.8: Providing 18mm thick cement plaster in single 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 | 800.00 |
| 16 | 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 | 120.00 |
| 17 | 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 | 120.00 |
| 18 | KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. | Sqm | 120.00 |
| 19 | KSRB 15.18.2: Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. | Sqm | 20.00 |
| 20 | 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 thoroughly 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 | 160.00 |
| 21 | KSRB 4.1.5: Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.43cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth, and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2 | Cum | 20.00 |
| 22 | KSRB 2.4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms 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 perspecifications. | Cum | 50.00 |
| 23 | Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65X65X6 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) | Mtr | 170.00 |

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| 24 | 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 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. | Mtr. | 300.00 |
| 25 | Providing chain link fencing 50 mm size of 8 quage properly stretched between 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. | Sqm | 250.00 |
| 26 | Shifting of debris with loading, unloading ,transporation charges for 1.0 KM with all lead and lift as per direction of the Engineer in charge of work | Cum | 725.00 |
| 27 | KSRB 4.4.1: Extra for use of water proofing compound in cement concrete of mix M 1:1:2, at one Kg of compound pr bag of cement. Specification No. KBS | Cum | 132.00 |
| 28 | KSRB 15.4.4:Extra for Providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortat 1:4, 18mm thick cost of materials complete as per specifications. | Sqm | 800.00 |
| 29 | Providing and applying composite water proofing compound as impregnate only on wet surfaces to arrest leaks in surfaces to arrest leakes in surfaces such as roof cealing, internal and external walls, flooring and other surfaces apart from water tanks, sumps, reservoirs, by mixing the composite water proofing compound with water in ratio of 1:10 to make a workable slurry and pouring it on all cleaned and prepared corners and disturbed area and further mixing in the ratio 1:20 AND pouring it on the prepared surface by cleaning the surface with etchant chemical from dirt foreign materials etc., and allowing it to be there upto 3 hours and then cleaning the same using water complete as per specification so that the surface is go back and ready to use after 4 Hours. | Sqm | 410.00 |
| 30 | Fabricating, supplying & erecting MS Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle 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, etc., complete as per specification | Kgs | 1500.00 |
| 31 | KSRB 13.8.9: Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00kgf/sq cm working pressure 110 mm outside diameter raising mains and exposed distribution pipes with special flange, compression type fittings,wall clips,making good the wall,ceiling and floor including cost of all materials,labour charges,HOM of equipments and testing complete as per specifications Specification No.KBS 13.2.15.2/13.9 | Mtr. | 15.00 |
| 32 | KSRB 7.3: Providing and fixing 1mm thick MS sheet garage door with frame and diagonal braces of size 40x40x6mm angle iron, 3.15mm thick MS gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a primining coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size 2.4x2.4m Specification No. KBS 7.9/7.12 | Sqm | 4.00 |

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| 33 | KSRB 12.5.2: Constructing brick masonry circular type manhole 0.91 m internal dia at bottom 1.67m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming IS:12592, total weight cover and frame to be not less than 182kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechanisies complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4 | Nos. | 2.00 |
| 34 | KSRB 12.8.1: Constructing brick masonry inspection chamber 455X610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455X610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M- 15 with 20mm and downsize granite metal, foundation concrete M-5 with 40mm and dowsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specifications. No KBS -do 600x 600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non- modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 600x600mm | Each | 5.00 |
| 35 | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00kgs/sq cm working pressure with pipe fittings,wall clips etc and making good the wall,ceiling and floor for sanitary pipelines including cost of all materials,labour charges,HOM of equipments and testing complete as per specifications for 160 mm dia | Mtr | 450.00 |
| 36 | Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing. -do- minimum width of 1200 mm | Sqm | 45.00 |
| 37 | Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. | Mtr. | 35.00 |
| 38 | ISO Proof Sealer Providing waterproof treatment to roof slab using 2 coats of acrylic co polymer elastomeric ISOPROOF sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc., The surface shall be applied with basecoat of crystallization liquid and then ISOPROOF, wetting agent and liquid (1:1:6) over the prepared surface. In addition the surface shall be provided with polysulphide/acrylic sealant to V groves, making haunch at junction of parapet and roof slab and at damaged portion using patching mortar to drain off rain water. Over this one coat of flexible cementitious membrane (FCM), Spreading 2 layers of 40 gsm non woven geotextile membrane as reinforcing material (over FCM) with one primer coat of ISOPROOF & applying second coat of ISOPROOF liquid over the primer coat conforming to ASTM D 412 - 1992. The work shall be carried out as per the directions of the Engineer-in-charge. | Sqm | 40.00 |

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| 39 | 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 of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. | Sqm | 45.00 |
| 40 | Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. | Ltr | 30000.00 |
| 41 | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. for 110 mm dia | Mtr. | 350.00 |
| 42 | Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr. Spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 25mm nominal OD pipes | Rmtr | 500.00 |
| 43 | Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr. Spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal OD pipes | Rmtr | 500.00 |
| 44 | Geophysical investigation of site for sinking borewell for supplying water to the habitation either through the Hand Pump, MWS, P.W.S.S by vertical electrical sounding by adopting venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter. in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., | Each | 2.00 |
| 45 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 0.00 to 50.00 mtrs | Rmtr | 100.00 |

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| 46 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 50.00 to 100.00 mtrs | Rmtr | 100.00 |
| 47 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 100.00 to 150.00 mtrs | Rmtr | 100.00 |
| 48 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 150.00 to 200.00 mtrs | Rmtr | 100.00 |
| 49 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 200.00 to 250.00 mtrs | Rmtr | 100.00 |
| 50 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 250.00 to 300.00 mtrs | Rmtr | 100.00 |
| 51 | Sinking of Borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc) FOR 300.00 to 350.00 mtrs | Rmtr | 100.00 |
| 52 | Supply of ISI Mark 175mm nominal Bore. Plain end Steel casing Pipe-grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendements, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length to 5 to 7 mts. Both ends threaded confirming to IS 554/1985. One end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI Marketing, weighing 25.10kg/mtr. (Inclusive of all taxes and duties). Prices include Collar- medium duty. | Rmtr | 40.00 |
| 53 | Supply of 175 mm M.S.Cap | Each | 2.00 |

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| 54 | Supply of 175 mm M.Scollar | Each | 2.00 |
| 55 | Supply of submersible three phase pump set of 10.0HP/7.5KW,20 stage as per direction of the Engineer in charge of the work (Brand-ATALANTA, SUGUNA, C.R.I, KIRLOSKAR and other Equivalent Pumps) | Each | 2.00 |
| 56 | KSRB 13.6.3.6: Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification. No. KBS 13.2.6/13.3 | Nos | 2.00 |
| 57 | KSRB 13.7.1.4: Providing and fixing in position 50 mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all Materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10/13.13 | Nos. | 2.00 |
| 58 | KSRB 13.1.1: Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50 mm dia nominal bore with fittings (medium grade weight 5.24 kg/m) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14/13.8 | Mtr. | 625.00 |
| 59 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130- 1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS -694:1990 and confirming to GTP of GROUP -A for 3 C X 2.5 Sq mm | Mtr. | 700.00 |
| 60 | Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor for upto 12.5 HP. | Each | 2.00 |
| 61 | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.for GI strip 25mmx3mm | Mtr | 10.00 |
| 62 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/ Microprocessor release and Earth Fault as per IS-13947. (Icu = Ics) Three pole ,100 Amps 25 kA | Each | 2.00 |
| 63 | 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: 800mm x 800mm x 1500 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 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. | No. | 1 |
| 64 | Equalization Tank Pumps : Make: Grundfos/ Jhosen/ Ebara/ Kirloskar/ Equivalent: Supplying, Installing, Testing & Commissioning of Raw Effluent pumps, Cutter Type Vertical Submersible CI Body Impeller: Cast iron/Grey iron/A 48 coupled to 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: 15 Cu M/Hr at 15 Mts Head, end connections 50mm X 50mm. | Nos. | 2 |

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| 65 | Coarse bubble diffusers : Supplying, Installing, Testing & Commissioning of Coarse bubble diffusers Heavy duty PVC pipe (10 kg/cm ²) 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. | 16 |
| 66 | Fine pore diffusers : Supplying, Installing, Testing & Commissioning of Fine Bubble diffusers Heavy duty PVC pipe (10 kg/cm ²) with 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. | 30 |
| 67 | Air Blowers : (Everest / KEY/ Equivalent) : Supplying, Installing, Testing & Commissioning of Air Blowers - 200 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 make 5 HP/1300 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. | 2 |
| 68 | Sludge pumps Grundfos/ Jhson/ 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 – 5 CuM/ Hr @ 20 Mtr Head Motor with Kirloskar/ABB/CG make foot mounted, 3 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 |
| 69 | Filter Feed Pumps Grundfos/ Jhson/ 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 – 10 CuM/ Hr @ 35 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 other incidental charges etc., complete as per the specification & directions of the Engineer-in -charge of the works. | Nos. | 2 |

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| 70 | Pressure Sand Filter : Supplying, Installing, Testing & Commissioning of Pressure Sand Filter 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 ² & Testing pressure: 5 kg/cm ² 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) Dia: 900 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. | No. | 1 |
| 71 | 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 redoxide 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/m ³ , Ash content - 16%, Wettability - 92%. Working pressure: 3.5 kg/cm ² & Testing pressure: 5 kg/cm ² 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) Dia: 900mm, 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 | No. | 1 |
| 72 | Supplying, Installing, Testing & Commissioning of water fresher unit along with solar cell, cable and mounting skid. Out put of solar cell - Max 100 Watt. This unit is used to control odor, bacteria and algae formation in the treated water. | Nos. | 1 |
| 73 | 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/cm ² , MS - 15 kg/cm ² All valves (Butterfly valves, Gate Valves, Non Return Valves, etc.) shall be of CI 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 |
| 74 | Treated Water Pumps: Grundfos/ Jhosen/ 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 – 15 CuM/ Hr @ 40 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 |

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| 75 | Clear/ Garden Water Pumps: Grundfos/ Jhson/ 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– 15 CuM/ Hr @ 60 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. | 4 |
| 76 | 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. POWER WIRING: 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. Point wiring with modular switches and sockets, Concealed conduit wiring for primary light point with 1.5 Sqmm, 1.1KV grade single core wire for Lighting points, Ceiling fans, Exhaust fans. | Nos. | 1 |
| 77 | Annual compressive maintenance contract including operating the plant for a period of 1 year, after the installing all the equipments/ commissioned STP plant including 3 shift operation, supervision, consumables, chemicals and necessary spares required for maintenance and including analysis of raw sewage & treated water. etc., as per direction of the Engineer incharge of the work. The plant should be maintained 24x7 hours. The agency should also approach the KSPCB for getting analysis report of the treated water and the same should be produced to the department. | Month | 12 |

PART-B-ELECTRICAL WORKS-SPECIFICATION

| Sl No. | Description of work | Unit | Quantity |
|--------|---|------|----------|
| 1 | Supplying of 1.1KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2CX10Sq mm wire armoured) confirming to IS 3975:1990 (No of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS -1554 Part 1:1988 and confirming to GTP of GROUP-A 4 core 16 sqmm. | Mtr. | 1500.00 |
| 2 | Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2CX10Sq mm wire armoured) confirming to IS 3975:1990 (No of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS -1554 Part 1:1988 and confirming to GTP of GROUP-A for 3.5 core 150 sqmm. | Mtr. | 300.00 |
| 3 | 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 6 sqmm to 16 sqmm | Mtr. | 1500.00 |
| 4 | 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. | 300.00 |
| 5 | Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., complete. In soil (ordinary) (As per Civil SR KSRB I-2, P-7) | Mtr | 1000.00 |
| 6 | 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 C C cutting | Mtr. | 200.00 |
| 7 | Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable. | Mtr. | 250.00 |
| 8 | Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) for 50 mm dia | Each | 4.00 |
| 9 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire size, 120 sqmm Long Barrel | Each | 4.00 |
| 10 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire size, 240 sqmm Long Barrel | Each | 12.00 |
| 11 | Supplying of LED FLOODLIGHT withW system power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic driver, PF>0.9 should meet ANSI 2 G vibration test, compliance to UL/CE with class-I . System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficiency >80lm/w. Overload & short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM79/LM 80 adherence with ROhs. UL approved MCPCB. Top access street light with single screw to ensure ease to maintenance at the sight site location with minimized minimal tools. LED light fixture with ... W system Power consumption. LED Efficiency>130lm/w at 1 W & fixture efficiency> 80lm/w with nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Govt. certified agency & Design & Development facility certified by ISO 9001:2008: housing with supplier word mark/name shall be engraved /embossing on the die cast housing body part. Warranty of 5 years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacture. LED FLOODLIGHT 150 W | Each | 4.00 |
| 12 | Supplying of 1440 rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete 12" Sweep (300mm). | Each | 4.00 |

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| 13 | Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" Sweep (1200mm) Economy model | Each | 4.00 |
| 14 | Fixing halogen/metal halide/SVL/IL/LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. | Each | 4.00 |
| 15 | Fixing all types and all capacities of fluorescent/false ceiling/spot light/CFL/LED fittings indoor on the wall / ceiling/ rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps On wall/ceiling/Rafter/Girders | Each | 8.00 |
| 16 | Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire | Each | 4.00 |
| 17 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/ Microprocessor release and Earth Fault as per IS-13947. (Icu = Ics) Three pole ,250 Amps 35 kA | Each | 2.00 |
| 18 | Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.4 Way | Each | 1.00 |
| 19 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10 K and complete wiring as required confirming to IES 60898 for 5-32 Amps SP. | Each | 12.00 |
| 20 | Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300 mA sensitivity on existing wood/panel board. 63 Amps 4 pole | Each | 1.00 |
| 21 | Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/manual reset facility suitable to mount on DIN rail/ flush mounting on panel board. | Each | 1.00 |
| 22 | Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr 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 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round 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. | Each | 4.00 |
| 23 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire size,70 sqmm Long Barrel | Each | 2.00 |
| 24 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire size,150 sqmm Long Barrel | Each | 6.00 |

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| 25 | Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for Mtrs pole in single section and single joint welded as per IS 9595/IS 10178 AWS having dimensions bottommm, top....mm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing for 8 meters-Top 70 mm and bottom 135 mm dia | Each | 15.00 |
| 26 | 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. | 20.00 |
| 27 | 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. | 30.00 |
| 28 | Supplying heavy gauge PVC conduit pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. | Mtr. | 10.00 |
| 29 | Supplying heavy gauge PVC conduit pipe 25 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. | Mtr. | 10.00 |
| 30 | Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 1100 V grade,COPPER conductor flexible multistrand FRLS PVC insulated,2x1.5 Sq mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet, Group A .Short point up to 3Mtr from tapping point to out let via switch box | Point | 2.00 |
| 31 | Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 1100 V grade,COPPER conductor flexible multistrand FRLS PVC insulated,2x1.5 Sq mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet, Group A . Medium point above 3 Mtr up to 6 Mtr from tapping point to out let via switch box | Point | 4.00 |
| 32 | Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 1100 V grade,COPPER conductor flexible multistrand FRLS PVC insulated,2x1.5 Sq mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet, Group A . Long point above 6 Mtr up to 10Mtr from tapping point to out let via switch box | Point | 6.00 |

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| 33 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100 V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS -694;1990 and confirming to GTP of Group A for 2.5 Sq mm | Mtr. | 100.00 |
| 34 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100 V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS -694;1990 and confirming to GTP of Group A for 4 Sq mm | Mtr. | 200.00 |
| 35 | 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 10-12 Way | Each | 5.00 |
| 36 | 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. 12 Module | Each | 5.00 |
| 37 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 ,Group A ,for 6 Amps one way | Each | 25.00 |
| 38 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 ,Group A ,for 6 Amps 3 way socket | Each | 5.00 |
| 39 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 ,Group A ,for Stepped Fan Regulator | Each | 4.00 |
| 40 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 ,Group A ,for 32 Amps DP switch | Each | 10.00 |
| 41 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 ,Group A ,for 6/16 Amps universal socket | Each | 10.00 |
| 42 | Supply of LED streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal disipation. Diffuser with injection moulded and is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ lumen maintenance of 70%. CCT>5500K, IP 66 optical and electrical compartment and impact resistance of complete luminaire>1K08, Power Factor >0.9 with mains Current shuld not be greater than 0.1A to 0/7A & Surge Protection-min4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal voltage driver to operate wide voltage range from 100V to 270 V 50/60Hz application. Over load and shourt circuit protection ensures reliable operation in spite of problem in ouput side . Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED light fixture with ... W System Power consumption. LED Efficiency>130lm/w at 1 W & Fixture Efficiency> 80lm/w with nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Goverment certified agency and Design and Development facility certified by ISO 9001:2008. Housing with supplier word mark/name shall be Engraved/Embossing on the die cast housing/Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part-I & Part-II LED Streetlight 65 watts | Each | 12.00 |

General conditions & technical conditions for construction, supplying, installation, testing & commissioning of Electromechanical equipments 100 KLD STP at Sakalawara.

Condition, Instructions to bidder(General conditions)

| Sl. No. | Conditions |
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| 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. |

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| 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 : http://www.nimhans.ac.in/nimhans for all other details and conditions. |
| 22 | English and kannada 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. |

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| 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. |

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| 42 | 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 contact 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 quintiles 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 quintiles 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 |
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| 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 Rs 41.00 lakhs. | 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 i.e. between 2013-14 to 2018-19, in any, Government the value of work shall not be less than Rs 68.00 lakhs. This has to be supported by the certificate issued by the officer not below the rank of an Executive Engineer. | Past Experience | Relevant details |

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| 15 | The tenderer shall produce Banker's certificates towards availability of credit/over draft facility from any scheduled bank for a sum equivalent to Rs 46.00 lakhs, (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. | Capabilities of vendor | Relevant details |
| 26 | The tender should preferably use the latest technology which completely eliminates the use of harmful toxic chemicals etc. | Capabilities of vendor | Relevant details |
| 27 | The tender should be well-versed & skilled in use of sensitive & sophisticated instruments for measurement of critical parameters. | 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 HOES by 9 Months, otherwise Penalty will be imposed as per the institute rule and regulation. | Declaration certificate | Relevant details |