



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Email/Speed post

संदर्भ संख्या :

AWARD LETTER

दिनांक :

Ref. No. :

AAI/NER/RHQ/DGM (E-E)/SHLG

Date 27-02-2023.....

सेवा में /

To,

मैसर्स एक्वाफ्लो सिस्टम,

M/s Aquaflo systems,

फ्लैट नंबर 309, एवरेस्ट ब्लॉक

Flat No. 309, Everest Block

आदित्य एन्क्लेव, अमीरपेट

Aditya Enclave, Ameerpet

हैदराबाद, तेलंगाना- 500 038

Hyderabad, Telangana- 500 038

ईमेल आईडी/ Email ID – info@aquaflo systems.co.in

कार्य का नाम : शिलांग एयरपोर्ट पर 50 KLD सीवेज ट्रीटमेंट प्लांट के एस.आई.टी.सी. सहित 7 साल का संचालन एवं 2 साल की डी.एल.पी के बाद 5 साल की एआईसीएमसी ।

Name of work: SITC of 50 KLD packaged type Sewage Treatment Plant of SBR Technology including 7 years Operation and 5 years AICMC after 2 year DLP at Shillong Airport.

Ref: Your E-Bid dated 30.12.2022 vide CPP tender ID- 2022_AAI_130103_1, Financial Bid opened on dated 13.02.2023.

महोदय

Sir,

- उपरोक्त कार्य के लिए आपकी ई-निविदा भारतीय विमानपत्तन प्राधिकरण के अध्यक्ष की ओर से आपके द्वारा उद्धृत मद दरों पर कुल रु. 1,29,77,425/- (रुपए एक करोड़ उनतीस लाख सतहतर हजार चार सौ पच्चीस मात्र) (जीएसटी को छोड़कर) स्वीकार की जाती है, जो निविदा की अनुमानित लागत Rs. 1,55,35,278.24/- (रुपए एक करोड़ पचपन लाख पैंतीस हजार दो सौ अठहतर बिंदु दो चार मात्र) (जीएसटी को छोड़कर) से 16.46% नीचे है।

Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totalling to 1,29,77,425/- (Rupees One Crore Twenty Nine

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Lakh Seventy Seven Thousand Four Hundred Twenty Five only) (**excluding GST**) which is 16.46% below the estimated cost put to tender of **Rs. 1,55,35,278.24/-** (Rupees One Crore Fifty Five Lakh Thirty Five Thousand Two Hundred Seventy Eight point Two Four only) (**excluding GST**).

2. उप महाप्रबंधक (इंजी.-इलेक्ट्रिकल), एएआई, आरएचक्यू, एनईआर, गुवाहाटी - 781015 कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि अनुबंध समझौते पर हस्ताक्षर करने और पूरा करने के लिए, उप महाप्रबंधक (इंजी.-इलेक्ट्रिकल) के कार्यालय में दिनांक **16.03.2023** तक उपस्थित हों। अनुबंध समझौता 100/- रुपये के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी।

Dy.GM (Engg.-Electrical), AAI, RHQ, NER, Guwahati - 781015 shall be **Engineer-in-Charge** of the work. You are requested to attend the office of the Dy. GM (Engg.-Electrical), AAI, RHQ, NER, Guwahati by **16.03.2023** to sign and complete the contract agreement. The contract agreement shall be executed on a **non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred only)** and the cost of the stamp paper shall be borne by you.

3. आपकी निविदा के साथ प्राप्त बयाना राशि रु. 3,10,706/- (रुपए तीन लाख दस हजार सात सौ छह मात्र) को GCC क्लॉज नंबर 1A, पेज नं - GCC-18 और निविदा दस्तावेज के प्रासंगिक खंड। कृपया इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर प्रतिभूति जमा के रूप में रुपये 9,87,037/- (रुपये नौ लाख सत्तासी हजार सैंतीस मात्र) जमा करें, ऐसा न करने पर GCC क्लॉज नंबर 1A, और निविदा दस्तावेज के प्रासंगिक खंड के अनुसार कटौती होगी।

The earnest money amount to Rs. 3,10,706/- (Rupees Three lakh Ten Thousand Seven Hundred Six Only) received along with your tender will be treated and converted as part of security deposit as per GCC clause No. 1A, page no. GCC-18 & relevant clauses of tender document. Please deposit Rs. 9,87,037/- (Rupees Nine Lakh Eighty Seven Thousand Thirty Seven only) towards security deposit within 10 days from the date of issue of this letter, failing which, same shall be deducted as per GCC clause No. 1A & relevant clauses of tender document.

4. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 बाल श्रम (निषेध और

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विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की शर्तों का विनियमन) अधिनियम 1996, भवन के प्रावधानों का पालन करें और अन्य सन्निर्माण कर्मकार कल्याण उपकर अधिनियम, 1996 और केंद्र और राज्य सरकार के नियम का पालन करना है।

You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 and applicable rules of Central and State Government.

5. आपको सहायक महाप्रबंधक (इंजी.-विद्युत), भा.वि.प्रा, शिलांग हवाई अड्डा से संपर्क करने का भी निर्देश दिया जाता है जो आपको साइट सौंपने की व्यवस्था करेगा।

You are also directed to contact Assistant General Manager (Engg.-Electrical), AAI, Shillong Airport, who will arrange to hand over the site to you.

6. कृपया ध्यान दें कि एसआईटीसी कार्य करने के लिए अनुमत समय 08 (आठ) महीने होगा और इसकी गणना इस पत्र के जारी होने के दसवें दिन से की जाएगी और आगे 7 साल के संचालन और 2 साल के डीएलपी के बाद 5 साल के एआईसीएमसी को शामिल किया है।

Please note that the time allowed for carrying out the SITC work shall be **08 (Eight) months** and same shall be reckoned from the **tenth day** after the issue of this letter and further including 7 years operation & 5 years AICMC after DLP of 2 years.

7. यह पत्र समझौते का हिस्सा होगा।

This letter shall form part of the Agreement.

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8. अनुबंध के संबंध में कोई भी आगे पत्राचार आमतौर पर प्रभारी अभियंता को संबोधित किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.

9. कृपया पत्र स्वीकार करें और स्वीकृति को टोकन के रूप में अधोहस्ताक्षरी को हस्ताक्षर करने के बाद ईमेल से वापस कर दें।

Please acknowledge the receipt and return by email after signing it to the undersigned as token of acceptance.

10. यदि कोई विसंगति पाई जाती है तो अंग्रेजी संस्करण को सही माना जाएगा।

In case any discrepancy is found then English version will be taken as correct.

Encl :

Annexure-I- Schedule of Work / Item (SOQ / BOQ) downloaded from CPP Portal.

भवदीय / Yours faithfully,



(एम. पी. तिवारी) / (M.P. Tiwari)

उप महाप्रबंधक (अभि.-विद्युत)/ Dy. Gen. Manager (Engg.- Elect.)

कृते तथा की ओर से अध्यक्ष, भा.वि.प्रा. / For and on behalf of Chairman, AAI

भा.वि.प्रा, क्षेत्रीय मुख्यालय गुवहाटी /AAI,RHQ, NER, Guwahati

1493976/2023/O/o GM(ENGG)-NER

Item Rate Bid

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Tendering Authority: Airport Authority of India

Name of Work: SFT of 50 KLD capacity for Sewage Treatment Plant at Shillong Airport, Meghalaya. (As per Appendix 2 of the SFT of 50 KLD capacity at Shillong Airport)

Contract No:

Name of the Bidders/ Bidding Firm/ Company :		Aquaflow Systems					
PRICE SCHEDULE							
(The Bidders to complete and fill the form as per the instructions given in the form and to be submitted to the tendering authority along with the bid amount in the form of a cheque or bank draft payable to the order of the tendering authority)							
NUMBER	TEXT	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	TEXT
Sl. No.	Item Description	Qty.	Units	BASIC RATE Excluding GST In To be entered by the bidder in	Total Quoted Amount Without Taxes In	Total NPV Amount Without Taxes In	TOTAL NPV AMOUNT in Words
1	2	3	4	5	6	7	8
1	SFT Design, Engineering and SFT of STP Design, Engineering, Supply, Installation, Testing, Commissioning and operationalization of 50 KLD Packaged Type Sewage treatment plant of Sequential Batch Reactor (SBR) Technology at Shillong Airport. Site Inspection, process design, preparation and submission of duly signed complete layout drawings, MS structure drawing, Hydraulic drawings, Pipe Diagram and Construction drawings of 50 KLD packaged type Sewage Treatment Plant of SBR technology, considering the following SOD, scope of work and as per technical specification of the contract, obtaining initial and final NCC from pollution Control Board etc. complete as required.	1	Job	115000.00	115000.00	115000.00	INR One Lakh Fifteen Thousand Only
2	Design, Drawing, Construction of container plant room (operator cabin) having size (3000 mm X 4000 mm) including 1 door and door panel having size of 1000mm(wid) X 2000mm(height), 2 nos windows each having size of 1000mm X1500mm with window panel, fabrication with minimum thickness of 3mm MS corrugated sheet and minimum 5mm thickness of Angler, rain proof, all finishing works such as indoor painting and outside walls, roof with plastic emulsion paint, CC flooring, etc including provision for fixing required electric wiring, LED lights, fan, sockets, complete as directed by the Engineer-in-charge. The necessary provision for cable entry for incoming and outgoing power cables, control cables, data cables, earthing, fixing arrangement of wall mounting /self standing control panel to be incorporated. The installation shall complete with proper locking arrangement on door and windows, finishing, cleaning etc complete as required. The appropriate base shall be provided based on the soil test results. The design of super structure shall be vetted through any Govt. Engineering Colleges/NIT/IT etc. The cost is inclusive of all the above and nothing extra shall be paid.	1	Job	287500.00	287500.00	287500.00	INR Two Lakh Eighty Seven Thousand Five Hundred Only
3	Design, Drawing, Construction of 6 inch thick NCC Collection Tank of 25m ³ capacity with depth of 3m, with coarse screen chamber of 1 m ³ capacity and leak proof epoxy coating including provision for keeping submersible pumps, connecting inlet sewage pipe line/providing puddle flange, filling the gap, plastering, water proofing, finishing etc as required. The structural design of pump shall be vetted through any Govt. Engineering Colleges/NIT/IT etc. The cost is inclusive of all the above and nothing extra shall be paid.	1	Job	750850.00	750850.00	750850.00	INR Seven Lakh Fifty Thousand Nine Hundred & Fifty Only
4	Design, Drawing, Construction of Fine screen Chamber fabricated from 3 mm thick MS, FRP lining/coating inside the Chamber having capacity of 0.50 Cum, inside size of 1m(L) x 0.5m(W) x 1m(H) (0.5m liquid depth + 0.5m free board), for providing 1 no line bar screen and attached to Grit chamber, guard railings, painting etc. complete as required.	1	Job	26450.00	26450.00	26450.00	INR Twenty Six Thousand Four Hundred & Fifty Only
5	Design, Drawing, Construction of Grit chamber fabricated from 3 mm thick MS FRP lining/coating inside the tank having capacity of 2.5 M ³ attached to SBR Tank-1 including suitable MS structure, ladder, guard railings, painting etc. complete as required.	1	Job	82000.00	82000.00	82000.00	INR Ninety Two Thousand Only
6	Design, Drawing, Construction of SBR tank fabricated from 6 mm thick MS with FRP lining/coating of 1MM inside, each having capacity of 19Cum with the height of 5m (4.5m liquid depth + 0.5m free board), including suitable MS ladder, guard railings, painting etc as required. The minimum thickness of MS side wall shall be 10 mm and base shall be 12 mm etc. complete as required.	2	Job	448500.00	897000.00	897000.00	INR Eight Lakh Ninety Seven Thousand Only
7	Design, Drawing, Construction of Concrete platform having 14000mm(L) x 13000mm(B) x 450mm(H) for Packaged type STP 50KLD capacity including pumps, blowers, tanks, all other equipment. The cost is inclusive of necessary soil testing as per relevant IS code. The structural design shall be vetted through any Govt. Engineering Colleges/NIT/IT.	1	Lot	1132750.00	1132750.00	1132750.00	INR Eleven Lakh Thirty Two Thousand Seven Hundred & Fifty Only

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NUMBER	TEXT	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	TEXT
Sl. No.	Item Description	Qty.	Units	BASIC RATE Excluding GST In To be entered by the bidder In	Total Quoted Amount Without Taxes In	Total NPV Amount Without Taxes In	TOTAL NPV AMOUNT In Words
1	2	4	5	7	8	13	15
8	Supply, installation, testing & commissioning of manual coarse bar screen placed at inlet of Coarse screen chambers at the inlet of Collection tank to match the inlet channel. 1 number of Stainless Steel bar screen fabricated from 30mm x 5mm SS 304 flats, 20mm equally spaced for coarse screen with suitable lifting arrangement etc. complete as required.	1	Job	17250.00	17260.00	17250.00	INR Seventeen Thousand Two Hundred & Fifty Only
9	Supply, installation, testing & commissioning of manual fine bar screen placed at inlet of screen chambers at the inlet of Collection tank to match the inlet channel. 1 number of Stainless Steel bar screen fabricated from 30mm x 5mm SS 304 flats, 10mm equally spaced for fine screen with suitable lifting arrangement etc. complete as required.	1	Job	23000.00	23000.00	23000.00	INR Twenty Three Thousand Only
10	Supply, installation, testing & commissioning of Non clog type, submersible cutter pump set Solid passage of 100 mm max, discharge of 6.25 m ³ /hr, head of 10 mtrs, working voltage 3 phase, 415 +/- 10% volts, 50Hz Continuous duty, Class "F" insulation, placed at inlet of Collection tank to lift sewage from collection tank to fine screen chamber, providing suitable length of 50mm UPVC pipe for delivery connection with flange, 55 bolts and nuts, gasket, Water tight power supply connection, earthing connection, interlinking and common delivery lines with UPVC pipe, UPVC valves, non return valves, pressure gauges with isolation valve, including all necessary accessories etc. complete as required. [For Sewage transfer from collection tank to Fine Screen Chamber]	2	Job	34500.00	69000.00	69000.00	INR Sixty Nine Thousand Only
11	Supply, installation, testing & commissioning of submersible sludge recirculation pump lifting arrangement on collection tank to lift as per design capacity pump pipe UPVC and Chain pumping etc. complete as required.	2	Job	26750.00	57500.00	57500.00	INR Fifty Seven Thousand Five Hundred Only
12	Supply, installation, testing & commissioning of complete Decanter Mechanism suitable for SBR tank of 19 Cum. including moving weir arm fabricated from SS 304 with suitable drive, scum guard, down comer, supports, with PLC control and auto & manual operation, motorized valves with by pass arrangement, local control box with manual operation selector, push buttons, electrical and communication cable wiring, communication to main PLC by RS 485/Ethernet, one Decanter per Basin etc. complete as required.	2	Job	172500.00	345000.00	345000.00	INR Three Lakh Forty Five Thousand Only
13	Supply, installation, testing & commissioning of (Minimum) 52m ³ /hr capacity of twin lobe rotary air blower, discharge pressure 5000 mmwc, V-belt or flexible couple drive, suitable capacity motor, 415 +/- 10% volts, 3 phase, 50Hz with necessary outdoor enclosure for protecting the unit from rain water, concrete foundation for fresh air supply to SBR tanks. Supplying and providing air grid distribution system with non dog type made of EDPM line bubble diffusers for SBR tanks. Air distribution shall be comprise of isolation valves, pipe droppers, laterals, interlinking etc. with UPVC pipeline with all fittings, supports, clamps, flanges, non clog, modular type air dispersion system capable of handling 3-5 cfm of air to the required depth with necessary supports, valves, with all necessary accessories, operation of aeration system with PLC based control etc. complete as required.	2	Job	80500.00	161000.00	161000.00	INR One Lakh Sixty One Thousand Only
14	Supply, installation, testing & commissioning of centrifugal, monoblock, filter feed pump to transfer water from SBR tanks / Filter Feed tank to filters with Discharge of 8.3 m ³ /hr at 25 meter head, cast iron impeller, cast iron motor body, 3 phase 415v +/- 10% Power supply, concrete foundation, necessary outdoor enclosure for rain protection, providing individual UPVC suction lines, interlinking and common delivery line upto filters with UPVC piping, valves (for both suction & discharge), UPVC non return valves, pressure gauges with isolation, including all necessary accessories etc. complete as required.	2	Job	34500.00	69000.00	69000.00	INR Sixty Nine Thousand Only
15	Supply, installation, testing & commissioning of Pressure Sand filter made of FRP of minimum dia 0.80m and 1.50m height of capacity not less than 6.5 m ³ /hr at 3 kg/cm ² pressure, with max pressure rating of 4.5 kg/cm ² pressure vessel, necessary foundation, along with UPVC frontal pipeline, necessary valves, interlinking pipes, delivery line upto Activated Carbon filter, drain line upto collection tank, pressure gauge, air release provision of back wash arrangement, valves, all necessary accessories complete with filtering media, support media like quartz and etc. complete as required.	1	Job	86250.00	86250.00	86250.00	INR Eighty Six Thousand Two Hundred & Fifty Only
16	Supply, installation, testing & commissioning of Activated carbon filter made of FRP of minimum dia 0.80m and 1.50m height of capacity not less than 6.5 m ³ /hr at 3 kg/cm ² pressure, with max pressure rating of 4.5 kg/cm ² pressure vessel, necessary foundation, UPVC frontal pipeline, necessary valves, interlinking pipes for delivery line upto treated water tank, drain line (duly painted GI pipe line) upto collection tank, pressure gauge with isolation valve, provision of back wash arrangement, valves, all necessary accessories complete with filtering media, support media LIKE SAND, PEBBLES, ACTIVATED CARBON 900 I.B. etc. complete as required.	1	Job	97750.00	97750.00	97750.00	INR Ninety Seven Thousand Seven Hundred & Fifty Only
17	Supply, installation, testing and commissioning of UV System, 2.5 cum/hr, fabricated from SS for SDCLD Packaged type Sewage treatment plant SBR technology including wiring support, all accessories etc. complete as required.	1	Job	34500.00	34500.00	34500.00	INR Thirty Four Thousand Five Hundred Only

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NUMBER	TEXT	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	TEXT
Sl. No.	Item Description	Qty.	Units	BASIC RATE Excluding GST In To be entered by the Bidder in	Total Quoted Amount Without Taxes In	Total NPV Amount Without Taxes In	TOTAL NPV AMOUNT in Words
1	2	4	5	7	8	13	15
18	Supply, installation, testing and commissioning of 5000 Ltr capacity HDPE clarified water tank including foundation, inlet connection from SBR tanks, outlet connection to filter feed pumps, inlet connection with isolation valve, drain connections with valves, all accessories etc. complete as required.	2	Job	45000.00	92000.00	92000.00	INR Ninety Two Thousand Only
19	Supply, installation, testing and commissioning of 5000 Ltr capacity HDPE Treated water tank including foundation, inlet connection from UV tank, outlet connection to treated water pumps, inlet connection with isolation valve, drain connections with valves, all accessories etc. complete as required.	2	Job	40000.00	82000.00	82000.00	INR Ninety Two Thousand Only
20	Supply, installation, testing and commissioning of centrifugal, monoblock, Treated water pump to transfer water from treated water tank with Discharge of 8.3 m ³ /hr at 25 meter head, Cast Iron Impeller, Cast Iron Motor body, 3-phase, 415V +/- 10% Power supply, concrete foundation, necessary out door enclosure for rain protection, providing individual UPVC suction lines, interlinking and common delivery line upto 1mtr with UPVC piping, UPVC butterfly valves (for both suction & discharge), UPVC non return valves, pressure gauges with isolation, including all necessary accessories etc. complete as required.	2	Job	32200.00	64400.00	64400.00	INR Sixty Four Thousand Four Hundred Only
21	Supply, installation, testing and commissioning of Sludge feed SCREW / ROTARY PUMP for FILTER PRESS capacity of 0.13m ³ /hr for 50 KLD Packaged type Sewage treatment plant SBR technology with Submersible motor, Cast Iron Impeller, Cast Iron Motor body, 3-phase 415V +/- 10% Power supply, concrete foundation, necessary out door enclosure for rain protection, providing individual UPVC suction lines from SBR tanks, interlinking and common delivery line to Bag filter/ Screw Press, valves, non return valves, pressure gauges with isolation, including all necessary accessories etc. complete as required.	2	Job	57500.00	115000.00	115000.00	INR One Lakh Fifteen Thousand Only
22	Supply, installation, testing and commissioning of AUTOMATIC FILTER press for 50 KLD Packaged type Sewage treatment plant SBR technology, concrete foundation, enclosure, drain pipe to collection tank etc. complete as required.	1	Job	287500.00	287500.00	287500.00	INR Two Lakh Eighty Seven Thousand Five Hundred Only
23	Supply, installation, testing and commissioning of 1x1/2 inch magnetic flow water meter for treated water delivery line including isolation valves, sampling point, all accessories etc. complete as required.	1	Job	26750.00	26750.00	26750.00	INR Twenty Eight Thousand Seven Hundred & Fifty Only
24	Supply, installation, testing and commissioning of magnetic flow water meter suitable for raw sewage inlet line of collection tank including isolation valves, sampling point, all accessories etc. complete as required.	1	Job	40250.00	40250.00	40250.00	INR Forty Thousand Two Hundred & Fifty Only
25	(A) Fabrication, Supply, installation, testing and commissioning of Motor Control Center (MCC) Panel with all accessories for Auto/Manual On/Off control of entire 50KLD Packaged type sewage treatment plant of SBR technology, fabricated from 1.6mm M.S. sheet, totally enclosed, floor mounted/wall mounted, powder coated, fabricated from CPRI approved panel manufacture with following accessories: (1) Incoming - 4pole MCCB 100Amp 25KA 2 nos. with electrical and mechanical interlocking. (2) 4-pole RYDB, A1 Bus bar 150amps-1 set. (3) Outgoings: (a) 32 Amps 3pole MCB, contactor, ON/OFF push button, OLR, SPP, for SBR Blowers-2nos. (b) 16 Amps 3pole MCB, contactor, ON/OFF push button, OLR, SPP, for submersible sewage pumps- 2nos. (c) 25Amps, 3 pole MCB, contactor, ON/OFF push button, OLR, SPP, for Filter Feed pump- 2nos. (d) 25 Amps 3pole MCB, contactor, ON/OFF push button, OLR, SPP, for Treated water pump- 2nos. (e) 16 Amps 3pole MCB, contactor, ON/OFF push button, OLR, SPP, for Filter press -1no. (f) 16 Amps 3pole MCB, contactor, ON/OFF push button, OLR, SPP, for Sludge Feed Pump-1no. (g) 16 Amps 2pole MCB for Internal/external lighting- 3nos. (B) Supply and laying of following XLPE Insulated, PVC Sheathed Copper conductor, armoured cable including cable glandings: (a) 3C X 4sqmm cable for blower motor-2runs. (b) 3C X 4sqmm submersible cable for submersible pumps-2runs (c) 3C X 4sqmm for Filter feed pumps-2runs. (d) 3C X 4sqmm cable for Treated Water pump -2 runs. (e) 3C X 4sqmm cable for filter press -1 run. (f) 3C X 4sqmm cable for sludge feed pump -1 run. (g) 8 SWG GI earth wire to all individual motors and main panel - 2 runs. (C) Complete power and control wiring with ON red coloured LED indicator, outgoing connectors, including all accessories-10sets. (1 set spare). (C) RYB LED indication (incoming side) - 2 sets. (F) 95mmx95mm Digital volt meter with selector switch including all interconnections -2 nos. (G) 95mmx95mm Digital Ammeter with selector switch including all interconnections and 3 nos. CT's-1set. (H) Power supply and control wiring to UV lamps, motorized valves, all pumps, blowers etc. complete as required. (Note: Quote shall include SITC of MCC panel, supply and laying of armoured XLPE copper cables in GI trays, supports, providing cable glands, providing and laying of 2 nos B SWG GI earthings to all equipment, providing and laying of all communication and control cables etc. complete as required.)	1	Job	230000.00	230000.00	230000.00	INR Two Lakh Thirty Thousand Only

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Sl. No.	Item Description	QTY.	Units	Basic Rate Excluding GST in Amount to be entered by the tenderer	Number	Total Quoted Amount Without Taxes in Text	Number	Total NPV Amount Without Taxes in Text	Number	TEXT
1	Supply, installation, testing and commissioning of PLC software (SCADA) system including all hardware and software to control the entire 50 KLD SBR plant in Auto/Manual mode including all the pumps and blowers etc. The automation system includes HMI, process and operator software with dynamic flow chart displayed on monitor, furniture, UPS, PC, password/ software, etc. comp etc as required	1	Job	236000.00	236000.00	236000.00	236000.00	236000.00	236000.00	NR Two Lakh Thirty Thousand Only
27	Testing with G.I. earth plate 600 mm x 600 mm x 6 mm thick including accessories, and providing masonry enclosure with cover gate having locking arrangement and weathering pipe of 2" meter bore etc. with charcoal coke and salt etc. complete as required.	2	Each	17250.00	34500.00	34500.00	34500.00	34500.00	34500.00	NR Thirty Four Thousand Five Hundred Only
28	Providing and fixing 25 mm x 5 mm G.I. strip on surface of in recess for connections etc. as required	20	meter	1055.00	21100.00	21100.00	21100.00	21100.00	21100.00	NR Twenty One Thousand Three Hundred Only
29	Providing internal electrical wiring with 1.5sqmm Copper conductor, PVC insulated, FLS, flame retardant, low smoke, ISI marked wires/cables, ISI marked PVC switch board, ISI marked switches along with supply and installation of following fittings including all accessories etc. complete as required. (a) 300mm Single Phase, 50W, white LED tube lights (Efficiency >100 lm/W) 2 nos. (b) 400mm Single Phase, 50W, white LED tube lights (Efficiency >100 lm/W) 2 nos. (c) ISI marked 5A sockets, 2nos. (d) 1500mm, Single Phase, 50W, white IP 65 Outdoor LED projector lights (Efficiency >100 lm/W) - 4 nos.	10	meter	287.00	2870.00	2870.00	2870.00	2870.00	2870.00	NR Two Thousand Eight Hundred & Seventy Only
30	Supply of 3.5C X 70 sqmm AL conductor, PVC sheathed, armored power cable of 1.1 KV Grade conforming to IS:7098 Part-1 amended upto date etc. complete as required and as specified in Technical Specifications	1	Job	28750.00	28750.00	28750.00	28750.00	28750.00	28750.00	NR Twenty Eight Thousand Seven Hundred & Fifty Only
31	Supply of 63 mm dia ID-63 mm and ID-51mm nominal 'S' marked DVC HDPE pipe along with all accessories like sockets, bends, couplers and dug etc. conforming to IS:16205 Part-2 or amended complete as required and as specified in Technical Specifications	350	meter	402.50	140875.00	140875.00	140875.00	140875.00	140875.00	NR One Lakh Forty Thousand Eight Hundred & Seventy Five Only
32	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size 70 sq mm, direct in ground including excavation, sand cushioning, protective covering and reeling the trench etc. complete as required	150	meter	1092.50	163875.00	163875.00	163875.00	163875.00	163875.00	NR One Lakh Sixty Three Thousand Eight Hundred & Seventy Five Only
33	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size 70 sq mm, direct in ground including excavation, sand cushioning, protective covering and reeling the trench etc. complete as required	200	meter	1015.00	203000.00	203000.00	203000.00	203000.00	203000.00	NR Three Lakh Twenty Thousand Only
34	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size 70 sq mm, in the existing RCC/HUVE/ METAL pipe as required.	150	meter	605.00	90750.00	90750.00	90750.00	90750.00	90750.00	NR One Lakh Twenty Thousand Seven Hundred & Fifty Only
35	Laying of one number 63 mm dia DVC HDPE pipe direct in ground at a depth 30 cm including excavation and reeling the trench etc. complete as required.	150	meter	235.00	35250.00	35250.00	35250.00	35250.00	35250.00	NR Thirty Four Thousand Five Hundred Only
36	Complete testing, commissioning, and operationalization of ST plant in Manual and Auto mode after providing sewage by ARI and conducting trial run for a period of minimum One month. During this period contractor shall arrange all required manpower and materials for the trial run. The date of completion of SHT-1 will be recorded as the date of submission of treated water test certificate fully meeting the tender criteria and pollution norms along with all documents as per scope.	1	Job	287500.00	287500.00	287500.00	287500.00	287500.00	287500.00	NR Two Lakh Eighty Seven Thousand Five Hundred Only
37	SH-11: OPERATION AND MAINTENANCE (O&M). Operation and routine maintenance of camp site SBR plant on all days including Sundays and holidays by engaging following manpower approved/authorized laborers as per technical specifications etc. complete as required. i) Technician Operator (skilled) working in general/shift duty for 6 days in a week - 1 no. ii) Helper (unskilled) working in general/shift duty for 6 days in a week - 1 no. 1) First year (Operation and day to day maintenance under defect liability period (DLP) (note taken from ACR))	12	Job	42790.00	513598.00	513598.00	513598.00	513598.00	513598.00	NR Four Lakh Seventy Nine Thousand Nine Hundred & Eighty Eight and Paise Fifty Six Only

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NUMBER	Sl. No.	Item Description	NUMBE	TEXT	Unit	Basic Rate Excluding GST in by the number in To be entered	NUMBER	NUMBER	NUMBER	TEXT
	1									
	2									
	38	2) Second year (Operation and day to day maintenance under defect liability period (DLP) (100% of first Year of O&M cost)) i) Technician cum Operator (Skilled) working in general/shift duty for 6 days in a week - 1 no. ii) Helper (Unskilled) working in general/shift duty for 6 days in a week - 1 no.	12	Job		\$8545.91	702580.02		\$13635.37	NR Six Lakh Thirty Thousand Six Hundred & Fifty Seven and Thirty Seven Only
	39	3) Third year (100% of Second Year of O&M cost) i) Technician cum Operator (Skilled) working in general/shift duty for 6 days in a week - 1 no. ii) Helper (Unskilled) working in general/shift duty for 6 days in a week - 1 no.	12	Job		\$8038.18	608608.28		\$39320.88	NR Five Lakh Twenty Nine Thousand Three Hundred & Twenty Six and Thirteen Only
	40	4) Fourth year (100% of Third Year of O&M cost) i) Technician cum Operator (Skilled) working in general/shift duty for 6 days in a week - 1 no. ii) Helper (Unskilled) working in general/shift duty for 6 days in a week - 1 no.	12	Job		62446.77	783301.24		\$71683.04	NR Five Lakh Seventy One Thousand Six Hundred & Eighty Three and Paise Only
	41	5) Fifth year (100% of Fourth Year of O&M cost) i) Technician cum Operator (Skilled) working in general/shift duty for 6 days in a week - 1 no. ii) Helper (Unskilled) working in general/shift duty for 6 days in a week - 1 no.	12	Job		70836.20	848814.40		\$83977.07	NR Six Lakh Five Thousand Nine Hundred & Seventy Seven and Paise Only
	42	6) Sixth year (100% of Fifth Year of O&M cost) i) Technician cum Operator (Skilled) working in general/shift duty for 6 days in a week - 1 no. ii) Helper (Unskilled) working in general/shift duty for 6 days in a week - 1 no.	12	Job		80337.72	964052.84		642368.76	NR Six Lakh Forty Two Thousand Three Hundred & Eighty Eight and Paise Only

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Sl. No.	NUMBER	TEXT	DATE	TIME	LOCATION	OPERATION AND MAINTENANCE (O&M)	SH-III: A/C/M/C	43	44	45	46	47	48	TOTAL IN FIGURES	Applied Rate in Words																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						Operation and routine maintenance of compound 50KLD S. F. plant on all days including Sundays and holidays by engaging following manpower along with providing required tools & consumables such as cotton waste, rags, lamp, chemicals and safety materials such as shoes, gloves, mask etc., monitoring the required registers, monthly casing and submerging the treated water test certificate from the State Govt. apportioned/allocated labourers as per technical specification etc. complete as required.	12	Job	9105.92	1003271.04	800834.56	NR Six Lakh Eighty Thousand Eight Hundred and Thirty Four and Paise Fifty Four Only	NR One Lakh Ninety Thousand Four Hundred and Paise Fifty Four Only	12250.00	147090.00	119095.81	NR One Lakh Ninety Thousand Four Hundred and Paise Fifty Four Only	SH-III: A/C/M/C	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474