

No NEIGR/ENGG/33/2016/

Dated 22nd August 2016

SHORT TENDER NOTICE

Sealed tender on behalf of the Director, NEIGRIHMS in two Bid systems are invited from experienced Manufacturers / Firms/Agencies /Contractors for Comprehensive Maintenance Contract and operation of Sewage Treatment Plant along with their allied accessories etc. installed in the Institute as follows:

Name of work	EMD (Rs)
COMPREHENSIVE MAINTENANCE AND OPERATION FOR THE WHOLE SEWAGE TREATMENT PLANT,(10 lacs litres /day)ALLIED ACCESSORIES ETC INSTALLED IN NEIGRIHMS,MAWDIANGDIANG,SHILLONG	Rs.36700.00

Tender Documents can be downloaded from the Institute Website –www.neigrihms.gov.in/ www.eprocure.govt.in. Downloaded documents will have to be accompanied with the cost of the tender documents (non- refundable) of Rs.500.00 in the form of Bankers' Cheque/Demand Draft pledged in favour of the Deputy Director, NEIGRIHMS; failing which the tender will be rejected.

Date of receiving and opening of Tenders: 2.9.2016 at 2.30 P. M.

Sd/
Executive Engineer (C)
NEIGRIHMS

TENDER FOR COMPREHENSIVE MAINTENANCE” AND OPERATION FOR WHOLE SEWAGE TREATMENT PLANT, ALLIED ACCESSORIES ETC. INSTALLED IN NEIGRIHMS, MAWDIANGDIANG, SHILLONG

TENDER NO. –

- (i) Last Date of submission of Tenders : 2.9.2016 at 2.30 p.m.
- (ii) Date of Opening of Technical Bids : 2.9.2016.

Technically qualified bidders will be informed to be present at the time of opening of Financial Bids.

Tender Cost Rs. 500/-(Five hundred only)

Name & Address of the Tenderer

M/s.

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NORTH EASTERN INDIRA GANDHI REGIONAL INSTITUTE OF HEALTH AND MEDICAL SCIENCES
(Ministry of Health & Family Welfare)
MAWDIANGDIANG, SHILLONG-793 018
Website: www.neigrihms.nic.in

TENDER FOR COMPREHENSIVE MAINTENANCE AND OPERATION FOR WHOLE SEWAGE TREATMENT PLANT, ALLIED ACCESSORIES ETC. INSTALLED IN NEIGRIHMS, MAWDIANGDIANG, SHILLONG

1. Sealed Tenders in two bid system are invited from experienced Firms/Agency/Contractors in the prescribed format for Comprehensive Operation and Maintenance Contract and operation of Sewage Treatment Plant m along with their allied accessories etc. installed in the Institute as mentioned in **ANNEXURE-II** of the tender document.
The bidders have to maintain the whole Sewage treatment plant in the campus of the Institute, to ensure proper functioning of the Plant.

The bidders are required to visit the plant site to see the actual installations for themselves to assess the quantum of work involved before submitting the tender. Once the tender is submitted, it will be presumed that the bidder has seen and understood the complete work involved for each of the system.

2. For Pre-qualifications: -

- i) a) The firm/agency/contractor should have the experience of rendering their services for maintaining of similar works by Bio-augmentation i. e. comprehensive maintenance of similar Sewage/water/effluent Plant along with allied accessories etc. for the complete plant in any Government Sector or large reputed Private Sector enterprises by introducing Bio-augmentation, during the last three years satisfactorily. Necessary relevant documents to this effect to be enclosed. The attested copies of experience certificates of carrying out similar nature of work as per pre-qualification criteria particularly annual maintenance contract of Sewage treatment Plant in Government/ Semi Government/ PSU's or large reputed private organization etc. for at least last 3 (three) years satisfactorily. They may also enclose work order copies to meet the experience criteria.
- b) The annual turnover shall not be less than 30 % of the estimated cost in the last three consecutive financial years.
- c) Copy of PAN/TIN No. and Service Tax number to be furnished including Income Tax clearance certificate.
- d) Registration certificate/registration no under ESI/EPF to be furnished.

3. Earnest Money Deposit (EMD): -

The tenders are required to deposit Demand Draft of **Rs. Rs. 36700.00 /-** (*Rupees Thirty six thousand seven hundred*) only in favour of the "**Deputy Director (Admn) ,NEIGRIHMS** as Earnest Money Deposit (EMD) in the form of FD/Call Deposit along with original tender documents for this work. No interest shall be payable by the Institute on EMD. Successful tenders in the event of the contractor failing to comply with any provision of the contract, EMD/Security Deposit shall stand forfeited.

4. The Tender document can be downloaded from our web site www.neigrihms.gov.in and Tender Fee can be deposited with the technical bid. Downloaded tender documents will have to be accompanied with **Demand Draft/Bankers cheque of Rs.500.00 pledged in favour of Deputy Director (Admn), NEIGRIHMS** towards the cost of the tender. Tender/Bid received without tender fee is liable to be rejected.

5. The tender is to be submitted in two separate sealed envelopes as under:

5.1. Technical Bid (Envelop No -1)

- i) The tender document in original signed and stamped as a token of acceptance. The following additional documents shall also be enclosed and sealed, superscript with name of the tender i. e.

- ii) The attested copy of registration certificate.
- iii) The attested copies of experience certificates of carrying out similar nature of work as per pre-qualification criteria particularly annual maintenance contract of Sewage treatment Plant in Government/ Semi Government/ PSU's or large reputed private organization etc. for at least last 3 (three) years satisfactorily. They should enclose work order copies to meet the experience criteria.
- iv) The attested copies of the balance sheet/ audited statement of accounts or any other relevant document to prove the minimum average annual turnover required as per pre-qualification criteria in three financial years (2013-14 / 2014-15 / 2015-16) duly signed by a chartered Accountant.

5.2 Price Bid (Envelop No. 2)

The Price Bid as per Proforma given in the tender documents as **ANNEXURE-II** and then price filled up and submitted in Envelope No -2, duly sealed superscripted with name of tender.

- 6 During evaluation of bids NEIGRIHMS may, at its discretion ask the bidder (s) for clarification of their bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

7. Submission of Bids:

The Envelop No. 1 & 2 shall be sealed separately and placed in a third Envelope which also shall be sealed and duly superscribed with the name of the tender.

Bids with all complete relevant documents must be addressed to the Executive Engineer (Civil), Director's Block, NEIGRIHMS, Mawdiangdiang, Shillong-18 not later than **14:30 Hrs** on the scheduled date as mentioned in the advertisement.

8. Bid Opening:

- i) Bid shall be opened in the office of the Director NEIGRIHMS, Shillong, in the presence of tenderer or their authorized representation who may wish to be present at on the date as mentioned in the tender notice advertisement.
- ii) The technical bid shall be opened first. The Price Bid (Envelop No 2) will be opened only of those tenderers whose technical bid is found to be techno commercially compliant shall be intimated separately about date & time.
- iii) The successful firms/ agencies/ contractors will be intimated and contract agreement will be executed with the Institute initially for a period of three years.

9. Award of Contract:

- (i) NEIGRIHMS will award the contract to the successful bidder whose bids/quotation has been determined to be substantially responsive and determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.
- (ii) Period of Contract – 3 (Three) years.
- (iii) Subletting -The contract shall not be assigned or sublet to another party.

10. Right to accept any Bids/Quotation and to reject any or all Bids/Quotation:

NEIGRIHMS reserves the right to accept or reject any bids, and or to annul the bidding process and or reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for NEIGRIHMS action.

- 11.**
11.1 The notification of award will constitute the formation of the contract.
- 11.2 The successful bidder will have to furnish a Performance Security equivalent to 5 % of the contract price (total amount quoted for three years) in the form of FD/Call Deposit pledged in favour of the Deputy Director (Admn), NEIGRIHMS which will be valid for a period of three and a half years and will be released after the successful performance of the work.
- 12.**
12.1 Failure of the contractor to comply with the requirement of contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the performance security; in that event NEIGRIHMS may get the work at the risk and cost of the bidder.
- 13. Payment:**
13.1 Successful bidder will submit quarterly bills for maintenance and monthly bills for man power duly supported with necessary check list, log sheets monthly service reports duly signed by the concerned in charge for AMC / CMC.
- Penalty**
13.2 The firm shall rectify any breakdown within 48 hours failing which will attract a penalty of Rs.2000/- per day till completion of the rectification work and in the event of any damage to the property or life arising out of non-performance, contractor will be solely responsible.
- 13.3 The contractor shall be responsible for proper maintenance of decorum, punctuality, discipline work out put and cleanliness of the Plant and its surroundings.
- 13.4 Levy/Taxes payable by contractor - Sales Tax/ VAT or any other tax on materials in respect of this contract shall be payable by the contractor and NEIGRIHMS shall not entertain any claim whatsoever in this respect.
- 14. Applicable Law:**
14.1 The contract shall be interpreted in accordance with the Laws of the Union of India. Successful bidder shall be solely responsible for compliance of all labour laws, payment of fair wages/salaries, EPF, ESI and other allowances applicable to his personnel that might become applicable under any new act, law or order of Government of State / Centre. NEIGRIHMS shall have no liability whatsoever in any manner.
- 14.2 Minimum wages at to be complied with - The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed hereunder and other labour laws affecting contract labour that may be brought into force from time to time.
- 15. Resolution of Dispute:**
15.1 All disputes arising out of this contract shall be referred to the Director NEIGRIHMS, and his decision /award shall be final and binding on both parties.
- 16. Force Majeure:**
16.1 Notwithstanding the provisions stated above, the service provider shall not be liable for forfeiture of its performance security, penalty or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of force majeure.
- 16.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the service provider and not involving the contractor/service provider's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the service provider either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 16.3 If a Force Majeure situation arises, the contractor/ service provider shall promptly notify NEIGRIHMS in writing of such conditions and the cause thereof. Unless otherwise directed by the employer in writing, the service provider shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.
- 16.4 The successful tenderer (non –tribal) will have to obtain a trading license issued by the Khasi Hills Autonomous District Council before commencing with the work.
- 16.5 All pages of the tender are to be duly signed and sealed as a token of acceptance of the terms and conditions.

ANNEXURE – I

General Terms & conditions and Scope of work for the Operation and Comprehensive maintenance contract of the Sewage Treatment Plant (STP).

1. The tender is for Comprehensive Maintenance and Operation of STP at NEIGRIHMS. The contractor shall operate and maintain the entire STP for a period of 3 (three) years after which the CMC may be extended depending on the performance of the contractor or till finalization of the next tender whichever is earlier.

The firm / agency/ contractor who wishes to quote are required to visit and examine the whole systems and satisfy themselves before submitting their offer and to apprise themselves about the plant and equipment, accessories and parts of the complete systems.

They should submit a brief Operation plan mentioning about the steps to be taken, chemicals to be used, process to be followed, arrangements shall be made in order to run NEIGRIHMS' STP.

2. LOG-BOOK for recording of parameters related to Sewage Treatment Plant shall be provided and maintained by the firm/ agency /contractor showing the complete working and maintenance done on the Plant and it should be made available to the authorities of NEIGRIHMS on a monthly basis .All tests shall conform to current pollution standards prevailing from time to time, BMW management and handling rules.
3. Contractor shall provide all necessary consumables, chemicals, spare parts, tools etc as required for the complete operation and maintenance of the Plant as per requirements during the CMC period.
All spares parts and materials shall be genuine and of same make and type as installed wherever applicable and a minimum quantity of spares and materials for routine maintenance may be kept at site to minimize time of maintenance. The firm / agency / contractor has to keep all equipment well maintained for the Plant so as to give proper output at all times.
4. Tools and equipment required for comprehensive maintenance for the STP and allied accessories etc. shall be provided by the firm /agency /contractor.
5. Care shall be taken so that the Plant does not lead to major breakdown. In the event of any breakdown, the same will be rectified immediately within 48 hours from the date of reporting of the fault. Similarly, if any breakdown takes place due to negligence of firm/ agency/ contractor, the whole component has to replaced/ rectified to bring it to the original condition immediately. Failure to rectify the breakdown within 48 hours will attract a penalty of Rs.2000/- per day till completion of the rectification work.
6. The rates shall be quoted separately for Manpower & AMC / CMC on yearly basis. The rates shall be all inclusive including taxes and duties, EPF, ESI etc.
7. Rate should be quoted in figure as well as in words as per **ANNEXURE–III**.
8. The Director, NEIGRIHMS reserves the irrevocable authority to accept or reject any tender in part or whole without assigning any reasons.
9. The rates at any stage once quoted shall not be withdrawn.
10. No advance payment will be made at any circumstances. However, on successful completion of every (three) months bills may be raised by the agency along with service reports, log books etc.
11. No addition / alteration / deletion in the tender document is allowed.
12. Late tenders/ unsigned quotations will be rejected.
13. No correspondence will be entertained in this regard unless otherwise sought from tenderer by this office.
14. Agencies/bidders may submit the tender personally in NEIGRIHMS **TENDER-BOX** on or before the due date and time. Postal delay for tender submitted by post shall also not be accepted and all tender submitted in time only would be considered.
15. The services required are for initial period of three years. The contract may be extended on mutual consent subsequently based on performance or till finalization of the next tender. The contract may be terminated at any stage solely at the option of NEIGRIHMS with an advance notice of one month without assigning any reason.
16. Precaution against any fire hazards or other damages to Plant and equipment shall be arranged by the firm. NEIGRIHMS shall remain indemnified by the contractor from any encumbrance /loss on this account.
17. The firm/ agency/ contractor shall fulfill the requirement of various law enforcing agencies / local authorities, such a Pollution control Board, Directorate of Electricity Safety etc by taking their approvals as and when required.
18. The firm/ agency/ contractor will be responsible for the safety of their deputed staff during the performance of their duty at site.

19. In case any of staff is not found upto the mark and not able to do work properly, he will have to be changed as per the instruction of NEIGRIHMS and immediately replaced by another qualified staff.
20. In case of any major breakdown the firm/agency/contractor shall inform NEIGRIHMS immediately, in writing
21. All disputes are subject to Shillong Jurisdiction.
22. The firm/ agency/ contractor shall keep the equipment well maintained, neat and clean and adhere to the maintenance schedule of various equipment given in the respective manuals. Upon placement of work order they will prepare the maintenance schedule and discuss the same with the Institute's engineer/sanitation officer for its implementation. This may be revised from time to time as per the requirement.
23. The tender shall be kept valid for acceptance for a period of 120 days from the date of opening.
24. Rates quoted shall be inclusive of all taxes.
25. Any statutory tax as applicable will be deducted from the bill of the contractor.
26. The agency/firm/contractor shall provide 4 (four) skilled operators and 1 technician knowledgeable for repairing the plant / equipment / component for round the clock operation.
27. The firm/agency shall maintain data log including running of all mechanical items and chemical dosing schedule.
28. The firm/Agency shall get the treated water tested once in a month from MPCB/Pasteur Institute or any other approved Laboratory at its own cost, and submit the certified test report to NEIGRIHMS.
29. The firm /Agency shall provide all spare parts for pumps, Motors, clarifier, chlorination, electrical panels, fittings / fixtures as required to ensure proper functioning of the Plant.
30. The plant will have to be operated 24x7.
31. **TERMINATION FOR DEFAULT** The department may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the bidder, terminate the contract in whole or in part and forfeit EMD as per the conditions specified in the contract, if, a. The successful bidder fails to deliver any or all of the obligations within the time period (s) specified in the contract, or b. The successful bidder fails to perform any other obligation(s) under contract.
32. **PAYMENT TERMS:** The payment will be made on monthly basis for labour and quarterly for the AMC / CMC after due certification by the Sanitation officer of the Institute.
33. **The treated sewage should be efficient and meet the criteria as laid down by the State Pollution Control Board/CPCB with 100 % use for plantation/fighting etc as applicable.**
34. **The bidder will operate and maintain all electro-mechanical equipment, electrical panel, sewerage transfer pump, dewatering pumps and all other pumps and accessories connected with the Plant.**
35. **The successful bidder shall furnish the list of manpower to be deployed by them for the operation and maintenance of the plant containing full details like date of birth, marital status, address and issue of identity cards to them. The personnel employed should be of good health and clean conduct record.**
36. The Earnest Money will be forfeited if the bidder rescind from the offer.
37. The selected agency is required to execute an agreement within 15 days of the award of the work.
38. The contract may be terminated before the contract period owing to deficiency in service or substandard quality of service provided by the selected company/Firm/Agency. Further, Institute reserves the right to terminate the contract at any time after giving two months notice to the successful bidder.
39. The bidder shall not be allowed to transfer, assign, pledge or sub-contract its rights and liabilities under the contract to any other agency.
40. In case, the person employed by the agency commits any act of omission/commission that amounts to misconduct/indiscipline/incompetence/security risks, the successful bidder will be liable to take appropriate disciplinary action against such persons, including their removal from work, immediately after being brought to notice, failing which it would be assumed as breach of contract which may lead to cancellation of contract.
41. In case, the person employed by the agency commits any act of omission/commission that amounts to misconduct/indiscipline/incompetence/security risks, the successful bidder will be liable to take appropriate disciplinary action against such persons, including their removal from work, immediately after being brought to notice, failing which it would be assumed as breach of contract which may lead to cancellation of contract.
42. In case, the person employed by the agency commits any act of omission/commission that amounts to misconduct/indiscipline/incompetence/security risks, the successful bidder will be liable to take appropriate disciplinary action against such persons, including their removal from work, immediately after being brought to notice, failing which it would be assumed as breach of contract which may lead to cancellation of contract.
42. The selected agency shall immediately provide a substitute in the event of any person leaving the job due to his/her personal reasons. It will be the responsibility of the contractor to meet transportation, food, medical and any other requirement of contractor's manpower for carrying out the contract works. Institute will have no liability in this regard at any stage.
43. The selected agency undertakes to comply with all statutes, rules, regulations, and byelaws, during the entire period of this contract

44. Institute reserves the right to amend or withdraw any of the terms and conditions contained in the Tender Document or to reject any or all tenders without giving any notice or assigning any reason. The Director, NEIGRIHMS is the final authority for settling any disputes and the decision of the Director in this regard shall be final and binding on all.
45. The Earnest Money Deposit (EMD), refundable (without interest), should be necessarily accompanied with the Technical Bid of the agency.
46. Institute may provide accommodation to the staff/operators of the agency /contractor depending on availability on payment basis for rent, electricity charges, water etc as per the rates fixed by the Institute.
47. Rates quoted should be inclusive of all taxes and duties.
48. Institute reserves the right to accept or reject any tenders without assigning any reason thereof.

Sd/-
Executive Engineer (Civil)
NEIGRIHMS

SCOPE OF WORK

ANNEXURE II

LIST OF EQUIPMENTS FOR COMPREHENSIVE MAINTENANCE

13.0 SEWAGE TREATMENT PLANT CHARACTERISTICS

Average daily flow (cum/day)	Residence 675 cum	Hospital 325 cum	
PH	7.5-8.5	7.5-8.0	
BOD (5 days at 20 degree C) (mg/l)	250-350	400-600	
Suspended solids (mg/l)	600-800	600-800	
Oil & grease (mg/l)	30	30	
Detergents (mg/l)	10	40	
Total sewage/ day lts/day	6,75,000 lts./day	3,25,000 lts/day	=10,00,000

The Sewage Treatment is based on extended aeration system.

Treated Waste Water Characteristics

The treated effluent shall have following standard:-

BOD	Less than 20 mg/l
COD	Less than 100 mg/l
Suspended solids	Less than 30 mg/l
Oil & grease	Less than 10 mg/l
pH	6.5-7.5

2.0 The main civil components are as under:

Sl No	Description	
1	Screen chamber	2 No. – 2m x 0.8m x1m
2	Grit chamber	5m x 2m x 1.5m
3	Oil and grease Chamber	5m x 2m x 1.5m
4	Inlet sump in R.C.C	20 m ³
5	Aeration tank in R.C.C	1000 m ³
6	Clarifier tank in R.C.C	100 m ³
7	Aerobic digester cum thickener tank in R.C.C	200 m ³
8	Chlorine contact tank in R.C.C	40 m ³
9	Underground treated effluent tank	200 m ³
10	Pump/ air compressor room	As required
	Laboratory cum office	

3.0 Mechanical Part

1.	Suitable Air Compressor/ Blower with motor, panel, diffusers etc	2 Nos
2.	Sludge pump/ Air Educator	2 Nos

3.	Submersible pumps for pumping treated effluent of capacity 450 LPM at 60m head with panel and other accessories	2 Nos
4.	Rotating Arms	1 No
5.	Dosing pump (electronic type)	1 No
6.	Pressure filter of suitable capacity with 2 Nos. pumps of required capacity with panel etc	1 Set
7.	Plate type filter press with two pumps of suitable capacity to reduce moisture content of the sludge	1 Set
8.	PVC hypochloride tank of Capacity 170 litres	1 No
9.	All other associated works like connecting of Pipes, valves, railing, ladder platform, MS plate/ angle etc and any other equipment/part connected with the functioning of the Sewage Treatment Plant.	

All piping, fitting are PVC class III conforming to IS 4935, butterfly valve, Ms plate/ angle, railing, heavy class G.I pipe with fitting conforming to IS 1239 etc will have coating of epoxy paint.

The scope of work will involve 24x7 operation of the plant ,carrying out regular maintenance ,preventive maintenance ,repairing of pumps, motors, filters etc, replacement of valves, sockets, tees, nuts, bolts, fuses, switches, changing of gear oils etc, regular testing of water, maintenance of record and log books ,periodical emptying of clarifier and sludge tanks ,production of manure cakes and to ensure that the plant is always in a working condition.

Scope of the work

- a. Maintenance and operation of the Sewerage System inside the campus.
- b. Operation and Maintenance of Pumps connected to the STP.
- c. Maintenance of Re-cycled water supply, pipe line and their fittings, valves, etc.

The Operation and Maintenance envisages all the required tasks to ensure

- a) Maximum system availability.
- b) Enhance the life expectancy of equipments.
- c) Regular operation and maintenance of equipments.
- d) Compliance of safety rules and regulations.
- e) Preventive maintenance/scheduled maintenance.
- f) Breakdown maintenance.
- g) Maintenance of proper records of operation and maintenance (Log book, registers, check list etc.)

Operation and Maintenance of Pumping Stations

- a) Switching ON and Switching OFF of pumps as and when required according to requirements/ instructions from authorized representative of the Institute.
- b) Maintaining records of maintenance.

Taking preventive maintenance such as maintenance of defective pumps, starters, Valves, etc. Contractor has to maintain a check list for preventive maintenance & upkeep the system accordingly. However, contractor has to prepare a detailed check list covering all the required items.

List of Spares/fittings/consumables

ij. 1.	Bend (Both side socket)	4"	PVC
2.	TEE (three side socket)	4"	PVC
3.	Flange with socket	4"	PVC
4.	Butterfly valve	4"	Metal
5.	Male Adaptor	4" x 4"	PVC
6.	Non return valve	4"	Metal
7.	Nipple	1/2" x 2"	GI
8.	Elbow	1/2"	GI
9.	Water meter for 5HP pump	.....	Metal
10.	Reducer Socket (both side socket)	4"/ 2"	PVC
11.	Male Adaptor	3"	PVC
12.	Male Adaptor	2"	PVC
13.	Reducer Socket	4"/ 2"	PVC
14.	Foot Valve	4"	PVC
15.	Socket	4"	PVC
16.	Solvent for PVC	.....	.....
17.	Rubber Gasket	3 mm	.....
18.	Full thread Nuts & Bolts with washer	3"/6mm	.....
19.	Full thread Nuts & Bolts with washer	5"	.....
20.	M seal	.....	.....
21.	Tapelon Tape	.....	.....
22.	Venus pipe Wrench	18"	.....
23.	Venus pipe Wrench	14"	.....
24.	Ball valve brass made	1/2"	Brass

Sl No.	Name of the Items	Size/Type
1.	Cylinder Fuse	HF 14 x 51 – 32 A
2.	Cylinder Fuse	HF 14 x 51 – 20 A
3.	Cylinder Fuse	HF 14 x 51 – 10 A
4.	NONC	MN-AI Ve; 415v~,lth: 10A IC: 4A, AC-15 IEC : 60947-51 EN : 60947 – I IS : 13947 – 5-I REGDS Design No – 166639
5.	Conductor	
6.	Suitable chemical and Bio-Culture	
7.	Jaggery	
8.	Gear oil	

ANNEXURE -III

PRICE BID :- (To be submitted in Envelope –II)

COMPREHENSIVE MAINTENANCE AND OPERATION” FOR WHOLE SEWAGE TREATMENT PLANT, (10 lacs litres/day) ALLIED ACCESSORIES ETC. INSTALLED IN NEIGRIHMS, MAWDIANGDIANG, SHILLONG

(RATES SHOULD BE INCLUSIVE OF ALL TAXES AND DUTIES)

Sl. No.	Description of work	Rate to be quoted in figures & in words	
		In figures	In words
1.	Comprehensive Maintenance of Sewage Treatment Plant as per the scope of work mentioned in the tender document for the first year.		
2.	Operation cost as per the manpower strength specified in the tender document for the first year		
	TOTAL		
3.	Comprehensive Maintenance of Sewage Treatment Plant as per the scope of work mentioned in the tender document for the second year.		
4	Operation cost as per the manpower strength specified in the tender document for the second year.		
	TOTAL		
5.	Comprehensive Maintenance of Sewage Treatment Plant as per the scope of work mentioned in the tender document for the third year.		
6.	Operation cost as per the manpower strength specified in the tender document for the third year.		
	TOTAL		

Signature and seal of contractor