

**Name of work: WORKS CONTRACT FOR OPERATION AND MAINTENANCE OF PRODUCER GAS EFFLUENT TREATMENT PLANT INCLUDING LABORATORY ANALYSIS IN BHEL, TRICHY FOR 2017-19.**

**Ref No: WCF/90317 00013 dt 27.09.17**

**PART- II PRICE BID**

**BILL OF QUANTITIES- 2 items**

	QTY	DESCRIPTION OF WORK	Unit
01	18	<p>Operation and Maintenance of existing Effluent Treatment Plant at BHEL, Trichy-14 located between Factory Oxidation Ponds near Pudu theru and R S K Nagar. The scope of work covers Operation of the Gas Plant Effluent Treatment Plant for three shifts in a day, as convenient to BHEL and on all the days including Holidays and Sundays in a year including Operation and maintenance of all equipments like pumps, motors, Compressor, Dissolved Air Flootation (DAF), Aerators, flash mixing units, DG set and Diesel Engines in case of power shut downs, Dosing of chemicals like alum, polymer, nutrients like DAP, Urea, fuels like diesel, lube oils, etc., regular cleaning of all chambers, tanks, drying beds and clearing away all debris in and around the plant, hazardous waste (dried DAF scum) packing and storing in identified area, disposing the treated water which should be non-toxic and as prescribed by standards to the area identified for Horticulture/ Plantations as directed by the Engineer-in-charge, trouble shooting of abnormal situation like process, mechanical and electrical failures, checking of leakages in the pipelines including periodical preventive maintenance, replacement of spares supplied by BHEL as and when required for safe running of equipments, flow measurements of influent and effluent of the plant if necessary, testing and analysis of influent and effluent samples of ETP, etc., in the Lab located in the Plant premises, maintaining records for all operations, usage of consumables like, chemicals, fuel, power etc</p> <p>The scope also includes co-ordination with statutory bodies like TNPCB / CPCB and others as and when required for collecting samples, analysis, etc., up keeping of the premises neat and tidy. Required treatment and laboratory chemicals, nutrients, fuels, spares for the plant and lab will be supplied by BHEL at ETP. The existing Lab facility can be availed. The scope of work includes labour charges for all Lab Chemist, Operators, Technicians, electricians, and skilled and unskilled labourers. Special Conditions of Contract, Man power Requirement, detailed List of Activities, details of pumps and equipments available in ETP, facilities in lab, Gas Plant ETP flow chart are given in the Annexure.</p> <p>During this period the contractor should take whole responsibility of Plant operation including treatment efficiency. Any deviation from the specific performance requirement of any equipment or quality of treated effluent as per norms, the contractor shall immediately take steps to rectify the deficiency without any extra cost to the Authority.</p>	Month

CONTRACTOR SEAL & SIGNATURE

1

ACCEPTING OFFICER

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**GRAND TOTAL** i.e Total cost for the work including all the taxes,for all the items in the Bill of quantities (except applicable GST.i.e GST should not be included in the total cost here)

Figures Rs. \_\_\_\_\_ in words .....

01. Amount should be quoted in both figures and words and are to be identical. If not, the prices in the words will be considered as final and the same shall be valid and binding on the contractor.
  - (a) If there is such discrepancy in an offer, the same will be conveyed to the bidder with target date up-to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
02. The amount should be quoted inclusive of any taxes and duties levied or to be levied both by Central and State Government authorities from time to time, except GST. GST will be paid extra on production of documentary evidence.
03. Quotation should be valid for a period of four months from the date of Tender opening
04. In Price bid opening, if there is a tie in quoted L1 amount, then ranking will be decided based on Lot system
05. Evaluation of the offer shall be done on “Net Cash outflow to BHEL after taking into account applicable Taxes and Duties”.
06. The amount quoted shall remain firm and valid during the entire period of contract (including extended period if any) and no extra payment will be reimbursed to the contractor by BHEL. Any increase of DA/ wages to the contract labor shall be absorbed by the contractor themselves during the period of contract.
07. The signature at the bottom of the rate schedule confirms that the Tenderer had read and accepted all the Terms and conditions in Tender Schedule, also amount quoted with inclusive of any taxes and duties levied and excluding GST etc. has been considered by the tenderer for the total contract period (including extended period if any) while quoting the above rates.
08. Contractor should ensure that atleast the prevailing minimum wages, as per the rules of Government of Tamilnadu, which are applicable to General Engineering and Fabrication Industry and BHEL’s additional wages, inclusive of bonus after remitting PF & ESI contributions, are paid to his employees ONLY in their respective bank accounts by means of NEFT/ RTGS/ IMPS.

CONTRACTOR SEAL & SIGNATURE

2

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While submitting the bills, the contractor should submit a proof of payment made to employees through bank, along with PF and ESI contribution challans to Welfare Section every month for effecting payment by BHEL. Otherwise payment to the bills will not be processed.

In addition, the contractor has to submit wage register as a proof for payment of Minimum wages and additional wages as per prevailing acts, for getting payment from BHEL.

To illustrate, at present the minimum wages as per the guidelines of government of Tamilnadu plus BHEL's additional wages inclusive of bonus being paid to an unskilled worker per day after remitting PF & ESI contributions, is

Unskilled worker is Rs 430/-,  
Semiskilled worker is Rs. 457/-,  
Skilled worker is Rs. 478 /- and

Supervisor it is Rs 471/- which shall be the minimum amount per day that has to be paid to the employees' bank accounts.

The above Illustration is subject to change as and when the minimum wages are revised by the competent authority.

09. No other pre conditions along with your offer will be entertained by BHEL
10. The contractor shall quote only the lowest possible total amount that can be offered for the intended quantity.
11. The contractor while quoting shall take care of units specified against item in bill of quantities.