



Notice Inviting Tender for Energy Audit of the Maniktala factory



**BENGAL CHEMICALS & PHARMACEUTICALS
LTD**

(A Govt. of India Enterprise)

Bengal Chemicals & Pharmaceuticals Limited
168 Maniktala Main Road, Kolkata-700054
West Bengal, India.

Notice Inviting Tender for Energy Audit of the Maniktala factory

NIT

Tender no	LT/BCPL/MFY/Energy Audit/01/18-19
Tender Date	05th April, 2018
Address for Bid submission & Evaluation	Purchase Department, Bengal Chemicals & Pharmaceuticals. 6, Ganesh Chunder Avenue, Kolkata –700 013.
Last date & Time of Bid Submission	27th April, 2018 up to 3:00Pm
Opening of Bid	27th April, 2018 at 3:30Pm
Venue for Bid submission & Opening	Purchase Department, Bengal Chemicals & Pharmaceuticals. 6, Ganesh Chunder Avenue, Kolkata –700 013.

Scope of Job:

A. Preliminary Audit

- Establish energy consumption.
- Estimate scope for energy saving.
- Identify the most likely (and the easiest areas for attention).
- Identify immediate (especially no-/low cost) improvements saving.
- Identify areas where detailed audit is necessary.

B Detailed Audit

- It provides a detailed energy project implementation plan for a facility since it evaluates the efficiency of all major energy using system.



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- It provides feasible means of improving the efficiency of energy using system, considering justification for implementation & expected payback on capital investment.
- It offers the most accurate estimate of energy savings & cost.

C Methodology of Audit

- Walk through Audit including informal interview with concerned personnel to collect macro-data and be Familiarization of process/ plant activities including first hand observation & assessment of current level operation and practices.
- Collection of Historic data from previous log book, Energy bill and technical paper related to different plant & equipment.
- Verification & analysis of collected data by Audit Team Physically interaction with the concerned person.
- Conduct Survey & Monitoring with collection of operational data by direct observation, discussion, and from past records, equipment specification and log book register.
- Measurement of different energy parameters from panel meter or installing different type of meter, analyzer at proper accessible point for testing & data generation.
- Analysis of energy use assessment of technical feasibility & economic viability.
- Searching of suitable energy efficient equipment / system & vender details in the market / internet.
- Submission of hard / soft copy of report to ordering authority for effective communication and implementation.

D Study & testing

- Study of Transformer & electrical distribution system
- Study of Capacitor Bank
- Motor load study of different equipment
- Performance test of pumps
- Performance test of window and split A.C.
- Performance test of centralized A.C. system, including a) chiller b) chilled water distribution system c) AHU & air distribution system, d) Chilled water primary & secondary pump, e) Condenser pump, f) Cooling tower.
- Performance test of Boiler & Furnace
- Study of solar heater water distribution system.
- Study of Boar well pump.
- Study of total water distribution system.
- Study of compressor
- Study of vacuum pump.

E Preparing a full Report based on the above for entire Maniktala factory including procedure for Implementation of Energy Saving at least 25% of Existing Load

COMPLETION PERIOD: Within Fifteen Days (15 Days), from the date of awarding the contract.

Eligibility Criteria:

- a. Bidder should have minimum 5 years experience about Energy Audit. Also they should be accredited by Bureau of Energy Efficiency.
- b. Bidder should have completed at least 10 Energy Audit job.



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- c. Bidder Should be experienced & with BEE (Bureau of Energy Efficiency) accredited Energy Auditor
- d. Bidder should submit all statutory requirements like PF, ESI, ST GST etc.
- e. Interested bidder should inspect the site before submitting their offer.
- f. If MSEs (Micro & Small Enterprises) to kindly declare with valid MSE certificate to avail benefit of prior experience criteria (as mentioned in Eligibility Criteria S/No: a.)

Note: Documentary Evidence to be accompanied of the above, along with the price bid in our BoQ format, non-submission of the same will lead to rejection of offer without assigning any reason.

Bid submission Criteria:

Bidders to be submitted their Price Bid in the given format as Annexure-I duly signed and stamped by authorized person in a single sealed covers with all the relevant supporting documents to establish the eligibility.

The sealed Envelope to be super scribed with tender no, tender date, tender due date, firm name, firm address, contact no, addressed to the M (Purchase), BENGAL CHEMICALS & PHARMACEUTICALS LTD, 6, Ganesh Chunder Avenue, KOLKATA-700 013.

The sealed envelope super-scribed with all the details to be dropped to tender box kept at Purchase Department at corporate office within the stipulated time.

VALIDITY OF OFFER:

Bidders shall keep their offer valid for a period 30 days from the due date / extended due date (if any) of the tender-opening.

RIGHT OF ACCEPTANCE / REJECTION

Mere issue of tender document and submission of bids does not necessarily qualify for consideration of bids Bengal Chemicals & Pharmaceuticals Ltd reserve the right to accept or reject any tender either in part or in full without assigning any reason whatsoever.

TERMS OF PAYMENT:

100% payment will be released Within 30-45 days from the date of successful completion of the job.

STAMPED & SIGNED BY THE BIDDER



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FORM OF BID

(To be submitted by the Bidder)

M/s.
BCPL, Kolkata

Sub :

Dear Sir,

1. Having carefully examined all the Tender documents attached to your Invitation to Bid No. Dated, and its Amendments / Errata / Corrigendum / Clarifications issued till the date of tender opening, we agree to complete the WORKS in conformity with all the terms and conditions stated in Tender Documents and its Amendments / Errata / Corrigendum / Clarifications issued till the date of tender opening and as per time schedule given in Tender Document. The Plant, Equipment and System offered are of best and of latest technology and of international standards.
2. I / We declare and certify that I / We fully satisfy the Qualifying Requirements and the documentary proof as called for, have been annexed.
3. We undertake, in case our bid is accepted, to commence the work from the date of Letter of Award and to complete and deliver the whole of the work and responsibilities comprised in the contract within Three (3) Months calculated from the date of Work Order and as per time schedule given in Tender Document.
5. We agree to abide by and keep our Bid valid initially for a period of 3 months from the date of opening of Bid and it shall remain binding on us and may be accepted at any time before the expiry of that period.
6. Should our Bid be accepted, we hereby agree to abide by and fulfill all Terms and Conditions of Tender Document as accepted by us. We understand that BENGAL CHEMICALS AND PHARMECUTICALS LTD is not bound to accept the lowest or any Bids received and BENGAL CHEMICALS AND PHARMECUTICALS LTD has the right to reject a bid, without assigning any reason whatsoever.
7. This Bid together with written acceptance by way of Work Order thereof, shall constitute a binding CONTRACT between BENGAL CHEMICALS AND PHARMECUTICALS LTD. and ourselves till any formal contract is executed.
8. Dated this _____ day of _____.

Witness – Authorised Signature

Signature

Occupation

Date

Address

Witness –: DESIGNATION

STAMPED & SIGNED BY THE BIDDER



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SCHEDULE OF CONFIRMATION

Questionnaire on Commercial Points to be answered by the Bidder

- 1.0 Name of Bidder Firm/Company
- 1.1 Address:
- 1.2 Telephone No. :
- 1.3 Fax. No. & E-mail Address:
- 1.4 Banker's Name & Address:
- 1.5 Name & Full address of Chief Executive:
- 1.6 Name, Designation and full address of contact person and:
Cell No. , E-mail address.
- 1.7 Place of manufacture of supply item:
- 1.8 Other information if any (enclose separate sheets) :
- 1.9 VALIDITY OF BID
- 2.0 Please confirm the validity of Bid to be 3 months:
- 3.0 Are you registered as Micro or Small Enterprise:
(if yes pl submit valid registration certificate)

STAMPED & SIGNED BY THE BIDDER

Annexure-I (Format for Quoting Price):

Job Description	Quoted Basic Price in Rs.
Energy Audit of Maniktala Works @ 164 Manicktala Mai Road, Kolkata – 70 054 As per terms and conditions mentioned in tender no: LT/BCPL/MFY/Energy Audit/01/18-19, Dated: 5 th April, 2018	
Taxes in Rs.	
TOTAL COST IN Rs.* including all taxes in Rs.	

L-1 will be evaluated on the quoted TOTAL COST IN Rs.(*)

Tenderers are requested to sign & stamp in all pages of bid document and submit in the technical bid (Un-Priced/Technical Bid)
BOQ/Price bid to be printed on bidders' letter head and submit inside the Price Bid.

Manager (Purchase)
BCPL, 6, GC Avenue,
Kolkata – 700 013.