



भारतीय लघु उद्योग विकास बैंक
SMALL INDUSTRIES DEVELOPMENT BANK OF INDIA

**TENDER FOR CONDUCTING COMPREHENSIVE
ENERGY AUDIT FOR SIDBI'S OFFICE BUILDING
AT BKC, MUMBAI**

**LAST DATE OF SUBMISSION October 30, 2010
UPTO 1500 HRS.**

Issued to :-

The Dy. General Manager [Premises]
SME Development Centre,
Small Industries Development Bank of India (SIDBI),
5th Floor, Premises Department,
Plot No-C-11, 'G' Block,
Bandra Kurla Complex,
Bandra (East), Mumbai-400 051
Phone No. 6753 1220 / 1146

Tender Document Price ₹ 1,000 (non-refundable)



DATA SHEET

Biding Information:

Purpose	"Conducting Comprehensive Energy Audit at SIDBI, BKC, Mumbai".
Cost of Tender	₹ 1,000/- (To be submitted as Demand Draft in favour of SIDBI, payable at Mumbai along with Technical bid. Bids submitted without cost of the Tender shall not be considered.)
Earnest Money Deposit (EMD)	₹ 20,000/- (To be submitted as Demand Draft in favour of SIDBI, payable at Mumbai)
Last Date of Submission of Bids.	October 30, 2010 by 3.00 PM
Pre-bid meeting.	Clarifications, if any, may be asked in writing through mail not later than October 18, 2010.
Bid Validity	Three months from the date of submission of bids. i.e. Till January 30, 2011
Address for submission of Bids	The Dy. General Manager [Premises] MSME Development Centre, Small Industries Development Bank of India (SIDBI), 5th Floor, Premises Department, Plot No-C-11, 'G' Block, Bandra Kurla Complex, Bandra (East), Mumbai-400 051 Phone No. 6753 1220 / 1146
No. Of Envelopes (Non window, sealed)	02(Two) with: 1st Envelope: Technical Bid containing: 1. Prequalification documents as per format and Annexure-I/II/IV 2. Demand Draft towards the cost of tender. 3. Demand Draft towards Earnest Money Deposit(EMD). 4. Letter of offer. 2nd Envelope: Commercial Bid") containing: 1. Non-window sealed envelope containing commercial bid as per format given in Annexure III.



Date of opening of Technical/ Pre-qualification Bid	October 30, 2010 by 3.30 PM
Date and time of opening of commercial bids	To be announced later after technical evaluation
Venue of Pre Bid meeting & Tender Opening	As per contact details
Contact Details	The Dy. General Manager [Premises] MSME Development Centre, Small Industries Development Bank of India (SIDBI), 5th Floor, Premises Department, Plot No-C-11, 'G' Block, Bandra Kurla Complex, Bandra (East), Mumbai-400 051 Phone No. 6753 1220 / 1146 mukuljha@sidbi.in , manashati@sidbi.in

The offers shall be opened in presence of agencies representatives (01 each), those choose to be present.



NOTICE OF INVITATION OF TENDER

SIDBI invites tenders for Conducting Comprehensive Energy Audit for its office building at Bandra Kurla Complex, G- Block, Plot No.C-11, Bandra (East), Mumbai-400 051. The Tender forms will be issued only to the agencies who furnish the detailed information in writing/ documents to satisfy the Bank about their minimum eligibility criteria. If they fail to satisfy the Bank, the tender forms shall be rejected.

Interested agencies may obtain the tender documents on payment of ₹ 1,000/- (non refundable) Demand Draft drawn in favour of SIDBI, at the following address between **Oct., 07-Oct., 29, 2009** between 10.30 a.m. to 5.00 p.m. (Working days only).

**The Dy. General Manager [Premises]
SME Development Centre,
Small Industries Development Bank of India (SIDBI),
5th Floor, Premises Department,
Plot No-C-11, 'G' Block,
Bandra Kurla Complex,
Bandra (East), Mumbai-400 051
Phone No. 6753 1220 / 1146**

This document can also be downloaded from our website www.sidbi.in. In case of downloading the tender documents, a demand draft of ₹ 1,000/- (non refundable) drawn in favour of SIDBI, Mumbai towards the payment for tender document is required to be submitted along with tender.

Tender submitted without this fee shall be rejected.

- Tenderers are advised to go through this tender document carefully as well as visit the Bank's office premises at BKC Mumbai and acquaint themselves both the site conditions and present condition of electro/ mechanical and fittings/ fixtures, etc. before submission of tender.
- The duly filled and sealed tender documents including complete set of supporting documents in two separate envelopes as indicated below, may be submitted to the Dy. General Manager(Premises), SIDBI at the address indicated above.

Envelope 1

Complete set of Tender documents Part I of tenders (Prequalification documents) as issued, duly filled in and signed and sealed by the tenderers on all pages (including Annexure I, Annexure II and Annexure IV) along with all supporting documents, etc. and demand draft of ₹ 1000/- in favour of SIDBI in case of tenders downloaded from website



and Earnest Money Deposit of ₹ 20,000/- in the form of Demand Draft (DD) in favour of SIDBI.

Envelope 2

The Complete set of tender documents Part II (price bid – Annexure III) duly signed and sealed by the tenderer on all pages.

- IV. Tenderers are advised to pay Earnest Money Deposit (EMD) of ₹ 20,000/- by demand draft drawn in favour of SIDBI payable at Mumbai along with the tender. Cheques in lieu of DD will not be accepted. EMD will not bear any interest.
- V. EMD will be forfeited in the event of any refusal or delay on the part of the successful tenderer to accept the Bank's offer for award of work or sign and execute the contract on acceptance of his tender. EMD shall also be liable for forfeiture in case the agency delay the commencement of work as per the contract. EMD's of unsuccessful tenderers will be refunded within 60 days from the date of opening of commercial bids. EMD of successful tenderer will be retained as security deposit (other than the Performance Bank Guarantee) and will be refunded after the termination of contract.
- VI. Bidders shall note that Cover-1 (Pre-qualification Bid) shall be opened at 15.30 hrs on October 30,2010. The date and time of opening the Cover-2 (Price Bid) of the pre-qualified vendors would be intimated separately. The price bids (Cover 2) of the pre qualified vendors will only be considered for the opening and further processing.
- VII. Last date for submission of completed tender documents is **upto 3.00 p.m. on October 30 , 2010.**
- VIII. The offers submitted shall be valid for a period of 90 days from the last date for submission of tender.
- IX. SIDBI reserves the right to reject any / all tenders without assigning reason thereof.
- X. Tenders received late on account of any reason or by courier/post will not be entertained.

Date:

**Dy. General Manager
(Premises)**



SCOPE OF ENERGY AUDIT

INTRODUCTION:

SIDBI was established on April 2, 1990, under an Act (SIDBI Act, 1989) passed by the Indian Parliament. The Charter establishing it, The Small Industries Development Bank of India Act, 1989 envisaged SIDBI to be "the principal financial institution for the promotion, financing and development of industry in the small scale sector and to co-ordinate the functions of the institutions engaged in the promotion and financing or developing industry in the small scale sector and for matters connected therewith or incidental thereto.

A Brief on the corporate office building is as given below.

The building has 2 basements, ground and 8 upper floors with total built up area of 10500 sq.mt. (1,13,000 sq.ft.). The total carpet area of the floors including toilet, pantries, lift lobbies, etc. is 50,000 sq.ft. (approx.) while net usable carpet area for office is 40000 sq.ft.. The present staff strength in the building is around 250. The construction of the building was completed and occupied by the Bank since April 2005.

The Building has been provided with State of Art Mechanical and Electrical System for Air-conditioning, Building Management, Fire Fighting Lifts, Security, etc. so as to control / monitor various functions of the systems sitting in a BMS control room located on the Ground Floor. The profile of SIDBI corporate office includes Transformers, air conditioning and ventilation systems, UPS System, Server / hub rooms, Lighting etc. The external façade comprising of structural glazing, ACP and Granite. The approximate areas are 1150m², 1850m² and 780m² respectively.

The main objective of this proposal is to identify the energy conservation opportunities in the energy consuming equipments and to suitably suggest and associate with SIDBI in implementation of energy saving projects to ensure the suggested gains.

The main sources of energy to the corporate office is electricity from Tata power Ltd.. Office consumption during financial year 2009-10 was about **12,00,330 Units** of electricity per annum. The energy cost during the financial year 2009-10 was to the extent of ₹ **78.13 Lakhs**.



TENDER DOCUMENT – Part I (PRE-QUALIFICATION DOCUMENT)

Applications are invited in the prescribed format for Conducting Comprehensive Energy Audit at SIDBI, BKC, Mumbai. Agencies who fulfill the following requirements shall be eligible to apply.

1. Only the bids received from agencies who satisfy the following criteria shall be considered :
 - a. The vendor should have carried out at least one Energy Audit in Banks, financial institutions, major hotels and multistoried office buildings with a minimum connected load of 1000 KW in last 02 years.
 - b. The vendor should be enlisted in approved list of vendor of Bureau of Energy Efficiency.
 - c. The vendor should have an office in Mumbai with technically qualified staff to render the said services.
2. The vendor should also furnish the following information in 'Cover 1' (Pre-qualification Bid).
 - a) Company profile
 - b) Details of the Energy Audit carried out in different institutions / corporate in the past three years along with the quantum and amount of the jobs including %age of savings done in Energy.
 - c) Name and address of the clients for whom the jobs were executed.
 - d) Copies of the Certificates from the Clients for satisfactory service with specific %age of savings in Energy.
3. Only the vendors confirming to the aforementioned requirements shall be considered for pre-qualification.
4. The vendors are requested to inspect the site, if required, with prior approval of the bank before submitting the offer.
5. The rates quoted shall be valid for 90 days from the date of submission of tender.
6. The rate for Energy Audit shall be quoted as per the enclosed format (Annexure III) and shall be inclusive of all taxes, duties, works contract tax, sales tax, service tax, VAT etc.
7. The amount quoted shall be written in both words as well as in figures.
8. Conditional tenders will not be accepted and will be summarily rejected.

If any information furnished by the applicant is found to be incorrect at a later stage, he shall be liable to be debarred from tendering / taking up of work in SIDBI. The Bank reserves the right to verify the particulars furnished by the applicant independently.

The Bank also reserve the right to reject any application without assigning any reason and to restrict the list to any number deemed suitable by it, if too many applications are received satisfying the basic pre-qualification criteria.

Dy. General Manager (Premises)

(To be placed in Cover No.1)



Annexure-I

Sr. No.	Details	To be furnished by the Vendor
1.	Name & Address of the firm	
2.	PAN No.	
3.	Type of organization & year of incorporation	
4.	Correspondence address at Mumbai with contact persons name, telephone number, mobile number et. (The company should have office and service facilities at Mumbai)	
5.	Turnover of the company. Please provide the details for the last 3 years along with Balance Sheet and P&L Accounts.	
6.	Number of Energy Audit Works (minimum 3 jobs) carried out with a connected loan of minimum 1000 KW during the last 5 years.	
7	Name & address of the client organizations with details of contact person. Please arrange to provide following details	
i)	Capacity of work (in KW)	
ii)	Year of execution	
iii)	Time taken for completion (Attach proof like copy of work order, performance & completion certificate, etc.	
8	Whether Annexure-II filled up with full particulars	
9	Other information's applicant might like to give in support of the application	

Signature of the authorized person

& Company's Seal



(To be placed in Cover No.1)

Annexure – II

LIST OF WORKS EXECUTED DURING LAST 5 YEARS TOWARDS ENERGY AUDIT

**A. 3 SIMILAR WORKS OF CONTACT OF ENERGY AUDIT WITH MINIMUM
CONNECTED LOAD OF 1000 KW.**

Name of the Firm Client	Location of the work	Work order Ref. No. & date	Period of Execution	Contract Amount (₹)	Remarks (%age of savings done)



PART – I

FORM OF AGREEMENT

Articles of agreement made at Mumbai this ----- day of _____

Between SIDBI , constituted under the _____

_____ And having its Head Office at Lucknow hereinafter called the "Owner" (which expression shall include its successors and assignors wherever the context or meaning shall so required or permit) of the one part and M/s. _____ hereinafter called "The Agency" of the other part.

Whereas the Owner is desirous of getting done the Work of _____

AND WHEREAS the Agency has agreed to execute the work and subject to the conditions and instructions set forth herein and to the conditions set forth in the Schedule of Quantities and General Conditions of contract (all of which are collectively hereinafter referred to as the said conditions) the works described in the said specifications and included in the said Schedule of Quantities at the respective rates therein set forth amounting to ₹_____ (Rupees _____) or such other sum as shall become payable hereinafter referred to as "the Said Contract Amount".

NOW IT IS HEREBY AGREED AS FOLLOWS :-

1. In consideration of the said Contract Amount to be paid at the times and in the manner set forth in the said conditions, the Agency shall upon and subject to the said conditions, execute and complete the works as described in the Specifications and / or priced Schedule of Quantities.
2. The Owner shall pay the Agency the said Contract Amount or such other sum as shall become payable at times and in the manner hereinafter specified in the said conditions.
3. The said Conditions and Appendix thereto shall be read and construed as forming part of this Agreement and the parties hereto shall abide by and submit themselves to the conditions and perform the Agreement on their part respectively in such conditions contained.
4. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen in Mumbai and only the Courts in Mumbai shall have jurisdiction to determine the same.
5. This contract comprises the following :-

a) Copy of Work Order



- b) Conditions of Contract
- c) Appendix to form of tender
- d) Schedule of Quantities

6. Necessary corrections, if any, arising out of corrigenda clarifications issued before opening of tender have been made in these documents. Also the subsequently agreed terms based on the discussions held between the Agency and the Owner which were finally accepted for the work have been incorporated and all pages in the documents have been initialed both by the Agency and the Dy. General Manager (Premises), SIDBI, in token of their acceptance.

7. IN WITNESS WHEREOF the official seal of SIDBI was thereto affixed and signed by Dy. General Manager (Premises) on its behalf and an authorized official of the Agency has signed this Agreement on the dates respectively mentioned against their signatures in the presence of the following witness.

Signed and delivered by Dy. General Manager (Premises) for

And on behalf of the SIDBI, Mumbai

Date :-

IN THE PRESENCE OF

1. Signature

2. Signature

Name _____

Address _____

Signed and delivered by _____

for and on behalf of the Agency

M/s. _____

IN THE PRESENCE OF

Date :-

1. Signature

2. Signature

Name _____

Name _____

Address _____

Address _____



APPENDIX TO FORM OF TENDER

- a) Earnest Money Deposit: ₹ 20,000/- (Rupees Twenty Thousand only)
- b) Time of Completion : 45 days from the date of issue of work order
- c) Amount of Liquidated:
Damages for delay 0.5% (zero point five per cent) per week
of the final contract value or part
Thereof subject to a ceiling of 10% of final
Contract value.

General Conditions of the Contract

1. Definitions

1.1 In the contract (as hereinafter defined) the following words and expressions shall have the meanings hereby assigned to them except where the contract otherwise requires :

- a) "Owner" means SIDBI, who have called for tenders for the equipment and or services as described in the bill of quantities and who will employ the agency and the legal successors in title to the employer.
- b) "Engineer" means owner's representative assigned from time to time by SIDBI for the purpose of execution of the contract.
- c) "Agency" means the person, firm or company whose tender has been accepted by the owner and includes agencies representative, successors and permitted assigns approved in writing by the employer.
- d) "Works or Work" means the work to be executed in accordance with the contract.
- e) "Contract" means conditions of contract, specifications, drawings & special conditions of contract (if any), specific price schedule with approx. quantities of probable items and any other correspondence that form part of the tender document.
- f) "Contract price" means the total amount indicated in the contract, subject to such additions thereto or deductions there from as may be made under provisions hereinafter contained.
- g) "Site" means the place at which works are to be carried out as described in the contract and any other places provided by the owner for the purpose of the execution of the contract.
- h) "Maintenance Period" shall include the period of defects liability.

Schedule of Work

The scope of this work is as described in the contract and covered in the schedule of quantities. The provision of the contract comprises provision of all labour, services, supervision, materials, plant and machinery required for such works.

2. Location of site

The site is located as described in the contract.

3. Assignment

- a) The Agency, save and except with the prior written approval in writing of the employer shall not undertaken any work of any nature not assigned and / or not mentioned in the tender and for executing such works while applying for the permission of the employer. The agencies shall state the nature of work and probable expenditure thereof. After the employer has accorded his consent in writing for execution of such work and / or incurring expenditure thereof, then only the agency shall undertake such work and not otherwise howsoever.
- b) Sub-letting : The agency shall not sub-let the whole of the works, except where otherwise provided in the contract. The agency shall not sub-let any part of the work, without prior written consent of the employer (which shall not be unreasonably withheld) and such consent if given shall not relieve the agency from any liability or obligation under the contract and he shall be responsible for acts, defaults or



negligence of any sub-contractor, his agents, servants or workmen as fully as if they were the acts, defaults or negligence of the agency, his agents, servants or workmen. Provided always that the provision of lab out on a piece work basis shall not be deemed to be sub-letting under this clause to require consent as aforesaid nor shall such provision reduce or relieve the agency of any of his obligations or liabilities under the contract in any way.

4. General Responsibilities

- (i) The Agency shall subject to the provisions of the Contract and with due care execute and maintain the work and take all responsibility and provide labour including the supervision thereof, materials, plant & machinery and all other things whether of a temporary or permanent nature required in and for such execution and maintenance unless the same according to this Contract is to be provided by the Owner.
- (ii) The Agency shall carry out and complete the work in accordance with good prevailing practices and using materials and workmanship of the quality and standards therein specified, provided that where and to the extent that approval of the quality of materials or of the standards of workmanship is a matter of opinion such quality and standards shall be to the satisfaction of the Owner.

5. Sufficiency of Tender

- (i) The Agency shall be deemed to have satisfied himself of tender before entering into the Contract as to the correctness and sufficiency of the rates and prices stated in the priced Schedule of Quantities (if any) set out in the Contract and rates and prices shall except in so far as, it is otherwise provided in the contract cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works. If however, during the execution of the works the Agency shall encounter physical conditions or obstructions constituting *force majeure* and which could not have been reasonably foreseen by an experienced Agency, the Contractor shall forthwith give a written notice thereof to the Owner and if in the opinion of the Owner such conditions or artificial obstruction could not have been reasonably foreseen by an experienced Agency then the Owner shall pay to the Agency such additional expense which shall be determined by the owner and the Owner's decision in this behalf shall be final and conclusive between the parties hereto.
- (ii) If the Agency requires additional information he shall so request in writing to the Owner who will provide such detailed information as necessary within a reasonable time.

6. Work to be done to the satisfaction of the Owner

The Agency shall execute, complete and maintain the work in strict accordance with the Contract to the satisfaction of the Owner and shall comply with the specifications and adhere strictly to the Owner's instructions and directions on any matter (whether mentioned in the Contract or not) concerning the work. The Agency shall take instructions and directions only from the Owner's representative.

7. Agency's Superintendence

The agency shall give or provide all necessary superintendence during the execution of the work and as long thereafter as the Engineer may consider necessary for the proper fulfilling of the agency's obligations under the contract. The agency or a competent & authorized agent or representative, approved in writing by the Engineer, which approval may at any time be withdrawn, is to be constantly on the works and

shall give his whole time to the superintendence of the same. No change shall be made in the appointment of the agent without the prior written consent of the Engineer. If approval of the agent shall be withdrawn by the Engineer, the agency shall as soon as practicable (having regard to the requirement of replacing him as hereinafter mentioned) after receiving written notice of such withdrawals, remove the agent from the site, and shall not thereafter employ him again on the site in any capacity and shall replace him by another agent or representative shall receive on behalf of the agency directions and instructions from the engineer.

8. Agency's employees

Engineer shall be at liberty to object and advise the agency to remove forthwith from the work any person employed by the Agency, in or about the execution or maintenance of the work, who in the opinion of the Engineer misconducts himself or is incompetent in the proper performance of his duties or whose employment is otherwise considered by the Engineer, to be undesirable and such person shall not be employed again on the works without the written permission of the Engineer. Any person so removed from the works shall be replaced as soon as possible by a competent substitute approved by the Engineer.

The Agency shall have on site at all times during working hours throughout the course of the Contract at least one competent representative who shall be empowered to make decisions binding on the Agency in respect of all matters likely to arise in connection with the execution of the work at site and shall keep the Owner informed at all time about the name and designation of such representative.

9.a. Earnest Money Deposit

For the successful tenderer the Earnest Money deposit shall be refunded with final payment after satisfactorily completion of work and submission of all deliverables at satisfaction of the Bank.

b. Income Tax deduction at Source

Income Tax shall be deducted at source as per current rate while making any payment to the agency.

10. Payment terms: The following payment terms shall be applicable.

- i) 40% after completion of field work.
- ii) Balance 60% plus EMD after satisfactory submission of all the related documents to the satisfaction of the Bank.

11. Contract rates

The Contract rates and prices shall be deemed to include all labour, materials, use of plant and tools, temporary works, insurance, sales tax, including tax on works contract, duties, octroi, establishment charges, overhead, profit, supervision, transport, sampling testing, shop drawing and other charges and every expense incurred for the proper and due execution, completion and maintenance of the works as per the specification stated in the Contract and discharge of every obligation imposed upon him by the Contract and nothing extra shall be payable unless so specifically stated in this Contract.

12. Commencement of work

The Agency shall commence the work on site within a period as stated in the Appendix to the form of tender after the receipt of an order in writing to this effect

from the Owner and shall proceed with the same with due expedition and without any stoppage or delay except as may be expressly sanctioned or ordered by the Owner or be wholly beyond the Agency's control.

Time for completion

Subject to any requirement in the specification as to completion of any portion of the works before completion of the whole of the works the works shall be completed within the time stated in the Appendix to the form of tender, calculated from the date of Owner's written order to commence the Works or such extended time as may be allowed.

iii) Statutory authority obligations, notices, fees & charges :-

- a) The Agency shall comply with and give all notices required by any act, any instrument, rule or order made under any Act, or any regulation or byelaw of any local authority or of any regulation of any agency which has any jurisdiction with regard to the works or with whose systems the same are or will be connected (all requirements to be so complied with being referred to in these Conditions as the statutory requirements).
- b) If the Agency shall find any divergence between the statutory requirements and all or any of the contract documents or any variation instruction issued in accordance with these conditions, he shall immediately give to the Owner's Representative a written notice specifying the divergence.
- c) If the Agency gives notice under paragraph (b) of this sub-clause or if Owner shall otherwise discover or receive notice of a divergence between the statutory requirements and all or any of the contract documents or any variation, instructions issued in accordance with these conditions the Owner shall within 7 days of discovery or on receipt of a notice, issue instructions in relation to the divergence. If and in so far as the instructions require the works to be varied, they shall be deemed to be Owner instructions issued in accordance with these conditions.

13. Liquidated damages

If the Agency fails to complete the work within the stipulated period of completion, the Agency shall be liable and pay to the Owner as pre-estimated damages at the rate of half per cent of the final contract price for each week of delay or part thereof subject to a maximum of 10% (Ten per cent) of the final contract value. In case the non completion is limited to certain items or disciplines which is not preventing the Owners to occupy and use the building or make use of the system effectively as decided by the Owner, then the damages shall be limited to 10% of the cost of the particular items or disciplines subject to the ceiling as indicated before. The Owner may without prejudice to any other method of recovery deduct the amount of such damages from any moneys in his hands due or which may become due to the Agency. The payment or deduction of such damage shall not relieve the Agency from his obligation to complete the works or from any other of his obligations and liabilities under the Contract.

14. Termination of the Contract

In the event of the Agency failing to complete the works within the stipulated or authorized extended period of completion, the Owner may notwithstanding anything contained to the contrary in the contract, resigned the contract at any time without being liable in any manner whatsoever to the agency by 7 days notice in writing to the agency and proceed to complete or get completed through other agencies, the works which have remained incomplete or not done at that time of such termination at the risk and cost of the agency and in which case

the security deposit including earnest money deposit of the agency shall stand forfeited and be absolutely at the disposal of the owner.

15. Prices

The accepted prices shall remain firm during the entire tenure of contract including authorized period of extension of time and shall not vary on account of any increase / decrease of cost of materials / labours and for all reasons whatsoever. No extra payment will be made on any account for this contract.

16. Injury to persons, property & Owner's Indemnity

- (i) The Agency shall be liable for and shall indemnify the Owner against any liability loss, claim or proceedings whatsoever arising under any statute or at common law in respect of personal injury to or the death of any person whomsoever arising out of or in the course of or caused by the carrying out of the works unless due to any act or neglect of the Owner or of any person for whom the Owner is responsible.
- (ii) Except of such loss or damage as is at the risk of the Owner under the Contract the Agency shall be liable for and shall indemnify the Owner against any expense, liability, loss claim or proceedings in respect of any injury or damage whatsoever to any property real or personal in so far as such injury or damage arisen out of or in the course of or by reason of the carrying out of the works and provided always that the same is due to any negligence omission or default of the agency his servants or agents or of any sub-contractor his servants or agents.

17. Engagement terms of Labour :-

The Agency shall make his own arrangements for the engagement of all labour. In respect of the engagement, employment, wages, transport, paying, feeding, housing and working conditions of labour and of all matters connected therewith, the agency shall be solely responsible and liable and shall at all times during the continuance of the Contract obligation imposed on him by the provisions and requirements of any Central or State Statute ordinance or other law or any Regulation or Bye-law of any local or other duly constituted authority which may be applicable including any such law regulation or order passed or made or coming into force during the period of the Contract.

18. Accidents

The Agency shall within 24 hours of the occurrence of any accident at or about the Site or in connection with the execution of the work report such accident to the Owner's representative. The Agency shall also report such accident to the competent authority whenever such report is required by law.

The Agency shall comply with the provision of all labour legislation including the requirements of :-

- a) The payment of Wages Act
- b) Owner's Liability Act
- c) Workmen's Compensation Act
- d) Contractor Labour (Regulation & Abolition) Act 1970 and Central Rules 1971
- e) Apprentices Act 1961
- f) Any other Act or enactment relating thereto and rules framed thereunder from time to time.



j) **Cost of tests :**

The cost of arranging / undertaking any test, as directed by the Owner shall be borne by the Agency.

k) **Excise & Sales taxes, Works contract tax**










The Agency shall pay and be responsible for payment of all taxes, duties, levies fees or charges in respect of the works including but not limited to sales taxes, tax on work contract, excise duties and octroi payable in respect of materials, equipment, plant and other things required for the Contract. All of the aforesaid taxes, duties, levies fees and charges shall be to the Agency's account and Owner shall not be required to pay any additional or extra amount on account of variation of taxes, duties, levies, fees etc. if any till completion of work and no extra claim on this account will be entertained in any case.

l) **Labour Laws**

The Agency shall observe and strictly adhere to all prevailing labour laws inclusive of Contract Labour (Abolition and Regulation) Act of 1970 and other safety regulations including amendments made, if any, afterwards.

SCOPE OF WORK

The following areas will be covered to identify Energy Conservation Measures

 Electricity Supply and Distribution
 Air Conditioning System
 Air Handling Units
 Package Air Conditioners
 UPS and Ventilation
 Lighting
 Kitchen Equipments
 Water Softener/ Filter Plant & Water Pumps
 Any other existing electrical system no mentioned above

1.1 Electricity Supply and Distribution net work

- 1.1.2. Detailed examination of the existing energy use of the facility with break up.
- 1.1.2. Measurement and analysis of demand and power factor, suggestions to reduce the demand and improve the power factor.
- 1.1.3. Performance evaluation of selected motors, 10 HP and above, to identify under / over loading of motors.
- 1.1.4. Study and examination of use of electric energy, cost balance with break up
- 1.1.5. Study on Metering system and suggestion for improvement
- 1.1.6. Energy distribution Break up on floor wise and department wise
- 1.1.7. Study on V,I kW fluctuation and profiling, V & I imbalances in the network
- 1.1.8. Suggestion for reducing the network loss and to improve monitoring system
- 1.1.9. Performance evaluation of installed capacitors to ensure deliverance of desired output, level of losses, management of system power factor and operation of capacitors

1.2 Air Conditioning System

- 1.2.1. Evaluation of operating Coefficient of Performance of chiller. Evaluation of specific energy consumption of Chiller
- 1.2.2. Estimation of actual tonnage and comparison of actual parameters with the design values, and corrective actions (like air and water flow balancing etc.).
- 1.2.3. Performance Evaluation of chilled water pumping to optimize pumping power.
- 1.2.4. Potential of reduction in chilling requirements in working stations.
- 1.2.5. Measurement of power parameters for cooling tower fans, water flow rate, air flow rate, dry bulb temperature (DBT) wet bulb temperature (WBT) sump temperature, relative humidity, etc.
- 1.2.6. Estimation & Evaluation of cooling tower performance (Range, approach, and effectiveness) and comparing it with designed data.
- 1.2.7. Measurement (Provisions must be available) and analysis of pump flow rate, pressure and power consumption with respect to rated / design conditions.
- 1.3. Air Handling Units
- 1.3.1. Measurement of airflow, RH, T_{SA}, T_{RA}, Chilled Water T_{in}, T_{out} through cooling coil and energy consumption of AHUs.
- 1.3.2. Estimation of actual tonnage and Measurement of operating zone temperatures under each unit. Comparison of actual parameters with the design values.
- 1.3.3. Measurement of airflow, RH, T_{SA}, T_{RA}, chilled water T_{in}, T_{out}, through cooling coil and energy consumption of AHUs

- 1.3.4. Examination and or Air Handling Units for air delivery capacity, capacity utilization, temperature pattern, pressure drop and operational pattern with respect to time to identify potential energy saving measures.
- 1.4 Package Air Conditioners
- 1.4.1 Evaluation of operating Coefficient of Performance of **Precision Air Conditioners**. Evaluation of specific energy consumption of precision Air conditioners. Identification and suggestions for performance improvement and energy saving potential
- 1.4.2 Estimation of actual tonnage and comparison of actual parameters with the design values and corrective actions.
- 1.4.3 Measurement and analysis of selected units (10% of units) 24 hours profile to suggest measures for energy conservation.
- 1.4.4 **Package Air Conditioners:** Measurement of power consumption, temperature profile under different duct able units
- 1.4.5 Measurement of airflow, RH, T_{SA} , T_{RA} , chilled water T_{in} , T_{out} , through cooling coil and energy consumption (Access must be available)
- 1.4.6 Estimation of actual tonnage and Measurements of operating zone temperatures under each unit. Comparison of actual parameters with the design values
- 1.5 UPS and Ventilation**
- 1.5.1 Measurement and analysis UPS loading, redundancy, operating efficiency, load pattern to suggest measures for energy cost reduction. Measurement and analysis of Harmonics (up to 30th) as per standards (IEEE 519 / IEC 61000 – 3-2/3/4).
- 1.5.2 Measurement and analysis of exhaust fan operating parameters / usage patter, suggest measures for energy conservation.
- 1.6 Lighting**
- 1.6.1 Examination of the lighting system in all the areas, measurement of illumination levels, etc. to improve lighting efficiency and optimizing lighting levels as per ECBC Standard & comparisons (ECBC-2006) published by Bureau of Energy Efficiency (BEE), Govt. of India. .
- 1.6.2 To look possibilities to reduce energy use by incorporating energy efficient lighting system, equipments and lay out changes.
- 1.6.3 Study of operating electrical parameters like voltage etc. in the lighting circuit.
- 1.7 Kitchen Equipments
- 1.7.1 Examination of the existing kitchen equipments, measurement of power consumption etc. to improve efficiency and optimizing power consumption.
- 1.7.2 To look possibilities to reduce energy use by incorporating energy efficient equipments.
- 1.7.3 Study of operating electrical parameters like voltage etc. in the kitchen equipments power circuits.
- 1.8. Water softner/ Filter Plant
- 1.8.1 The power measurements (I, V, pf, KVA and KW) of all major motors (above 10 HP) will be studied for possible energy savings opportunities by the application of following items
- Possibility of on / off control
 - Interlocking
 - Down sizing motors
- 1.9 Any other existing system no mentioned above
- 1.9.1 Any other Electrical system available at SIDBI will be under the scope of the Energy Audit and Energy Audit of the above system also to be carried out.
- 1.10 Deliverables

- 1.10.1 The energy audit report will contain the following :
- Specific energy savings proposals
 - Full descriptions and figures if required
 - Method of implementing the proposal
 - Cost benefit analysis
 - Present energy consumption pattern
 - Energy Management Guidelines to monitor and sustain the savings identified.
- 1.10.2 The recommendation will be classified as non-capital proposals (proposals requiring no investment or insignificant investment) and as capital proposals. It should be noted that for capital proposals, the budgetary cost estimates have an accuracy of plus or Minus 20 per cent.
- 1.10.3 For projecting cost benefit analysis, simple payback system technique may be used.
- 1.10.4 Discussion with SIDBI Bank officials for consensus on proposals and justifications.
- 1.10.5 Energy Conservation Measures having payback of less than 2 years will be given in the report.
- 1.10.6 Compilation of detailed report comprising of observations, recommendations with adequate financial justifications, vendor support data etc.
- 1.10.7 All the data collected from the Bank to be tabulated properly and submitted along with detailed report in the for of Soft copy and Hard Copy.
- 1.10.8 Presentation of the detailed report and data collected from the Bank to be given to SIDBI Bank Officials before final submission to the Bank.



LETTER OF OFFER

Date:
To
The Dy. General Manager [Premises]
SME Development Centre,
Small Industries Development Bank of India (SIDBI),
5th Floor, Premises Department,
Plot No-C-11, 'G' Block,
Bandra Kurla Complex,
Bandra (East), Mumbai-400 051
Phone No. 6753 1220 / 1146

Dear Sir,

**Name of the Work:- Conducting Comprehensive Energy Audit of
SIDBI's office building at Bandra Kurla Complex, Mumbai**

1. Having visited the site and examined the Conditions of Contract, Specifications and Schedule of Quantities for the above named works, we offer to undertake and complete the whole of the subject work in conformity with the said Conditions of Contract , Specifications and Schedule of Quantities for the sum stated in Schedule of Quantities of this Tender Document or such other sum as may be ascertained in accordance with the said conditions of contract.
2. We undertake to complete and deliver the whole of the works comprised in the contract within the time stated in **Appendix** hereto.
3. We have independently considered the amount of liquidated damages shown in the Appendix hereto and agree that it represents a fair estimate of the loss likely to be suffered by you in the event of the works not being completed in time.
4. If our Tender is accepted, we will, remit the initial security deposit by demand draft or obtain a guarantee from a Scheduled Bank to be jointly and severally bound by us for the sum named in Appendix hereto for initial security deposit. Third party insurance policy shall also be obtained from an Insurance company approved by you.
5. We agree to abide by this Tender for the period of three months from the date fixed for receiving the same or agreed extended period and it shall remain binding upon us and may be accepted at any time before the expiry of the period.
6. Unless and until a formal Agreement is prepared and executed, this tender together with your written acceptance thereof shall constitute a binding contract between us.
7. We understand that if our Tender is accepted, we are to be jointly and severally responsible for the due performance of the Contract.
8. We understand that you are not bound to accept the lowest or any Tender you may receive.

Dated ----- day of -----

Signature ----- in the capacity of -----

Duly authorized to sign tenders for and on behalf

Of -----



(Name and address of the tenderer)

(IN BLOCK CAPITALS)

WITNESS :

Signature _____

Name & Address _____

Occupation _____

:



GENERAL RULES AND INSTRUCTIONS FOR THE TENDERER

1. Tenders should be placed in sealed cover, with the name of the work written on the envelopes.
2. In case of two part tenders, dates of submission, opening of tenders and the parts thereof along with superscription on the packages should be as per specific instruction on the tender notice / form.
3. Tenders are to be in the prescribed form, which can be obtained from the office of the Bank on payment of a sum of ₹ 1000/- in form of Demand Draft, (Non-refundable) favoring SIDBI, Mumbai.
4. The contract period will be for **45 days** from the date of commencement of work.
5. The bidder should quote in figures as well as in words the rate, and the amount tendered by them. As indicated in Price Bid (Cover II) the amount for lump sum item should be worked out and the requisite totals to be given.
Earnest money deposit, amounting to ₹.20,000/- in the form of Bank Demand Draft drawn in favour of SIDBI, Mumbai, must accompany each tender and each tender is to be in a sealed cover superscribed **“TENDER FOR CONDUCTING COMPREHENSIVE ENERGY AUDIT FOR SIDBI'S OFFICE BUILDING AT BKC, MUMBAI.”** A tender, which is not accompanied by deposit in the form of demand draft, as earnest money will not be considered. The earnest money so deposited will be held by SIDBI without interest as a security deposit for due fulfillment of contract for period of 12 months. The same will be returned after satisfactory rendering of services for the contract period.
6. The employer is not liable to pay any interest on the earnest money. The earnest money of the unsuccessful tenderer will be refunded without any interest soon after the decision to award the work is taken or after the expiry of the validity period of the tender.
7. The acceptance of the tender will rest with SIDBI, which does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all of the tenders received without assignment of any reason thereof.
8. On acceptance of the tender, the name of the Authorised representative(s) of the agencies who would be responsible for taking instructions from the Bank as employer shall be communicated to the employer.
9. The Employer reserves to itself the right of rejecting or accepting the whole or part tender and the tenderer shall be bound to perform the same at the rate quoted.
10. All taxes including the sales tax or any other tax on works like service tax, work's contract tax, turn over tax, etc. in respect of this contract shall be payable by the Agency and the Bank will not entertain any claim whatsoever in this respect.
11. The Tender shall remain open for acceptance for a period of 90 days from the date of opening of part II of the tenders. If any tenderer withdraws his tender before the said period, the Bank shall be entitled to forfeit Earnest Money paid along with the tender.
12. It is obligatory on the part of the tenderer to sign the tender documents for all the parts and that, after the work is awarded, he will have to enter into an agreement for each part with the competent authority of the Bank.
13. The Agency shall not assign the contract. He shall not sublet any portion of the Contract except with written permission of Employer. In case of breach the Employer has liberty to serve notice and rescind the contract.

14. The earnest money, which will be treated as security deposit on award of contract of the successful tenderer, will be forfeited, if he fails to comply with any of the conditions of the contract.
15. **AGENCY TO INFORM HIMSELF FULLY:** The Agency shall be deemed to have carefully examined the work and site conditions including labour, the general and special conditions, the job requirements, schedules of equipments and drawings and shall be deemed to have visited the site of work, to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the matter concerning the contract he shall in good time, before submitting his tender, ascertain the particulars thereof by contacting the concerned officials before tendering. Once a tender is submitted the matter will be decided according to contract conditions etc.
 - a) In case of difference between the rates written in figures and words, the rate adopted for working out the total amount of the item in the original tender form, shall be taken as correct. In all other cases the correct rate would be that which is lower.
 - b) Between the duplicate / subsequent copies of the tender and original tender, the original shall be taken as correct.
 - c) In all cases of omissions and / or doubts or discrepancies in any item or job requirement, a reference shall be made to the *Dy. General Manager, Premises Department* whose elucidation, elaboration or decision shall be considered as authentic and final. The agency shall be held responsible for any errors that may occur in the work through lack of such reference and precaution.
16. All compensation or other sums of money payable by the agency to the employer under the terms of this contract may be deducted from the Earnest Money Deposit if the amount so permits or from any sums payable to the agency and the agency within ten days after such deductions shall make good the amount so deducted.
17. The Employer shall have right to carry a audit / technical examination of the works and the bill of the agency including all supporting vouchers, abstracts etc. by any of the persons or organizations as appointed by the Employer. If as a result of the examination or otherwise any sum is found to have been overpaid or over certified it shall be lawful for the employer to recover the sum from any payment due to the agency for such work.
18. The Tender shall accompany the following information in Cover No.1
 - (a) Earnest money of the required amount in the form of Demand Draft, general conditions of contract, Annexure I & II duly filled.
 - b) The Tender shall accompany the following information in Cover No.2 Price Bid (Annexure III)
19. The Owner will not be responsible and will not pay for expenses which may have been incurred or losses to person or property suffered by any Tenderer in connection with visits to and examination of the site and in the preparation of his tender for submission.
20. If for any, reason, the employee is obliged by virtue of the provisions of the Workmen's Compensation Act, 1923 or any statutory modification or re-enactment thereof to pay compensation to a workmen employed by the Agency in execution of works, the employer shall be entitled to recover from the agency the amount of compensation so paid.
21. **The agency should make payment to its workers as per Minimum Wages Act of Central / State Government whichever is applicable to the area of contract.**



I/We hereby declare that I/We have read and understood the above instructions for guidance of tenderers.

Witness:

Signature of Tenderer

Address: _____

Date: _____



(To be placed in Cover No.2 – Price Bid)

(To be submitted in Envelope No.II)

Tender Document - PART-II
Annexure- III

PRICE BID

Conducting Comprehensive Energy Audit at SIDBI

Sub: Comprehensive Energy Audit at SIDBI

S.No	DESCRIPTION OF WORK	RATE(Rs)	AMOUNT (Rs)
01	Comprehensive Energy Audit at SIDBI's office building at BKC, Mumbai and submission of recommendations as per the scope of the work (enclosed) : <ul style="list-style-type: none">✚ Electricity Supply and Distribution✚ Air Conditioning System✚ Air Handling Units✚ Package Air Conditioners✚ UPS and Ventilation✚ Lighting✚ Kitchen Equipments✚ Water Softener/ Filter Plant & Water Pumps✚ Any other existing electrical system no mentioned above	LUMPSUM	
02	Service tax as applicable @		
	Total Amount ₹		

Note : The Quoted rates shall be inclusive of all taxes, duties, works contract tax, sales tax, service tax, VAT, etc. No extra payment will be made in any account for the above job.

Amount in words (Rupees

only)

Signature of the authorized representative of the bidder

Date :-

Seal

ANNEXURE - IV

DETAILS OF VARIOUS LOADS OF SIDBI, BKC, MUMBAI

1. Facility General Details

Built-up Area	1,13,000 sq. ft. (Approx)
Air conditioned space / No. of floors	G + 8 Floors
Seating Capacity	45 Person per Floor

2. Electricity

Sanctioed/ Demand load: 1055 kVA	Contract Demand: 1000 kVA
Recorded Max. Demand: 409 kVA	Billed Max. demand: 500 kVA
Power Factor/ Load Factor: 1.00/14.22	Sactioed/ Connected Load: 1055 kVA
Type of Supply: 03 Phase	Tariff Cat: HT II- Commercial
Electricity Tariff Schedule(wef 01-06-2009) :	
Energy Charges(Rs/kWh)	4.35
Fixed/ Demad Charges	₹ 150 per kVA per month
Electricity Duty (on Energy Charges+Demand Charges+FAC)	13%
Tax on sale(Paisa/ Unit)	23
In addition to the Energy Charges, Time of Day(ToD) tariff@ T0D-A: (0.75) T0D-C⊙0.50) and T0D-D(1.00) ₹/ Unit is applicable	

3. Load Details

Equipment Name	Nos.	Capacity & Type	Remarks Working + Standby
Transformers	1	11 / 0.433 KV, 1000 KVA, Dry Type, 2 nos HT indoor vaccum circuit Breaker	Working
Chillers	3	150 Tr Screw Chiller-3, No	2 Working+ 1 Standby
Cooling Towers	3	700 Tr, Direct Flow, FRP	2 Working+ 1 Standby
Air Handling Units	31	12.5 HP – 24 Nos. 3 HP – 02 Nos, 2 HP – 5 Nos.	All working
Pumps	04 (Chiller Pump) 16(Water pump) 02(DG Set pump)	A . AC Plant 10 HP – 4 nos B. Water Pump 7.5 HP – 4+1 submersible, 5HP-04, 10HP (submersible)-1no, 1.5 HP-4nos.	3 Working + 1 Standby All working

		C. DG Set - 7.5 HP – 2 Nos.	
DG / TG Sets (kVA)	1	500 KVA	Working
Stand alone AC Units	13	1.5 Tr – 8 Nos. 2.0 Tr – 5 Nos.	All working
Precision air conditions	2	10 TR-2 nos	All working
UPS		30 KVA – 3No.	All working
Lifts	4	Passenger Lift (884 kg) – 03 Nos. Freight Lift (408 kg) – 1 No.	All working
Basement Ventilation	6	20 HP – 2 Nos. 10 HP – 4 Nos.	All working
Kitchen Exhaust	1	1 HP – 2 Nos.	All working
Kitchen Equipments	2	Bourne Marie	All working

Main Distribution Board-Incomer-2000A-2 nos & 800A-2 nos, Bus Coupler-2000A-3 nos, Outgoing-630A-3 nos, 400A-5 nos, 200A-5 nos, 125A-1 no, 100A-10 nos & 63A-1 no, 1000 ampere ACB and bus coupler, feeder pillar, DG & Auxilliary panel

1 No. 1200 ampere ACB for air conditioning main, 1 No. 600 ampere rising main (normal), 1 No. 400 ampere rising main (emergency). Ventilation fan panels 06 Nos. for upper and lower basement. (2 in upper, 4 in lower basement). Capacitor Control Panel 145 KVAR 2 Nos.

Diesel Generator set of 500 KVA, water cooled engine, 604 BHP. 1500 RPM with alternator rated 415 V, 50 Hz. 3 Phase, 0.8 Power factor and supplied with 990 litres fuel tank with acoustic insulation incl. FRP cooling tower of 281000 K.Cal/Hr heat rejection capacity & AMF Panel 800 amperes 4 Pole ACB 1 No.

Lighting fixtures – Dark light, 2x36W CFL, GE D/I P R-300 HF, 2'x2' -287 Nos.-INDOOR

Pumps :

Fire Hydrant Pump – 1 No. (Electric driven)

Head : 88 m
Capacity : 10.8 M3/Hr
Speed : 2900 rpm
Motor : Mather+Platt – 3 ph induction motor

Fire Hydrant Jockey Pump – 1 No. (Electric driven)

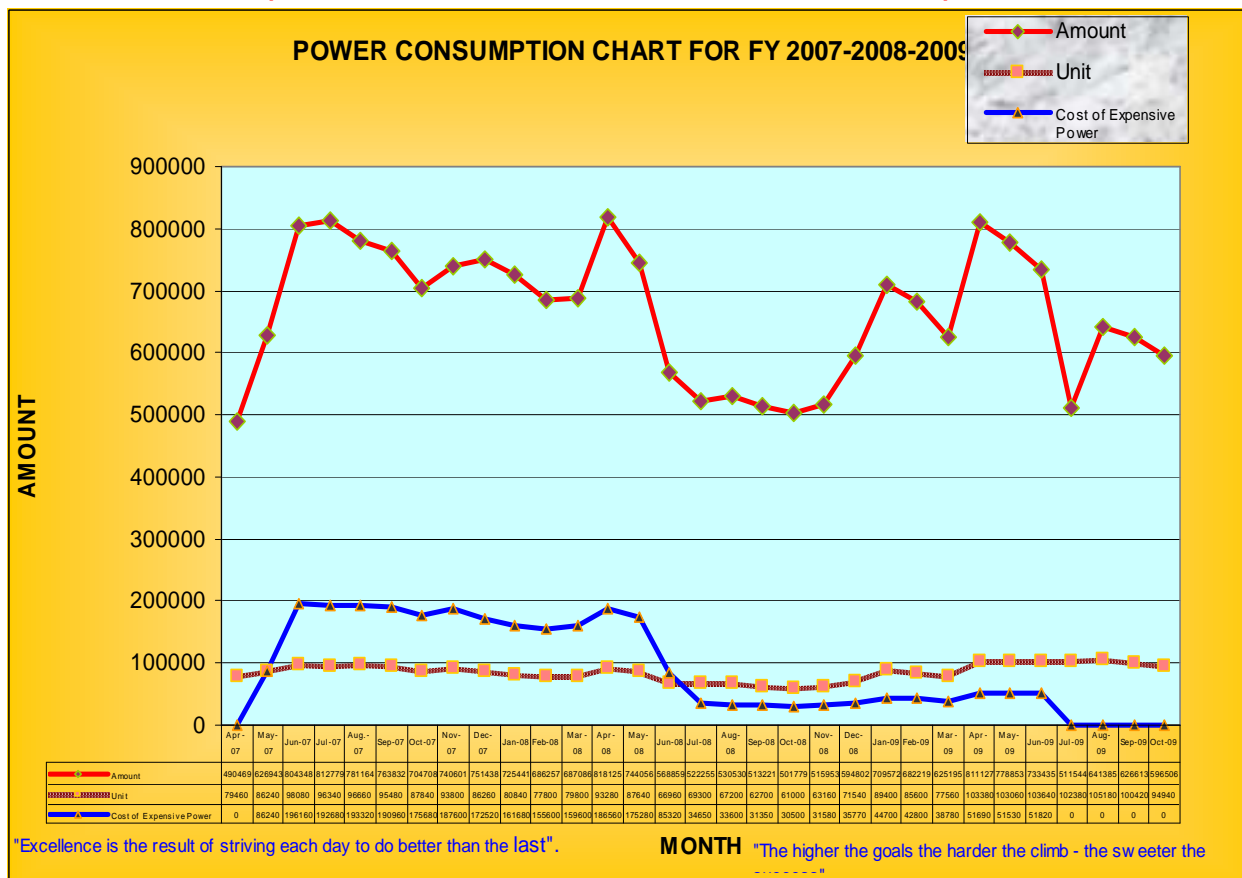
Head : 88 m
Capacity : 10.8 M3/Hr
Speed : 2900 rpm
Motor : Mather+Platt – 3 ph induction motor

Sprinkler System Pump – 1 Nos. (Electric driven)

Head	:	88 m
Capacity	:	10.8 M3/Hr
Speed	:	2900 rpm
Motor	:	Mather+Platt – 3 ph induction motor
Sprinkler Jockey Pump – 1 No. (Electric driven)		
Head	:	40 m
Capacity	:	900 lit/minute
Motor	:	Mather+Platt – 3 ph induction motor
Booster Pump – 1 No. (Electric driven)		
Head	:	88 m
Capacity	:	10.8 M3/Hr
Speed	:	1800 rpm
Motor	:	Mather+Platt – 3 ph induction motor
Diesel driven pump (common for hydrant / sprinkler system)-Greaves make		
Head	:	88 M
Speed	:	1800 rpm
Engine Type	:	3YDC MK 3



**SALIENT FEATURE OF POWER CONSUMPTION BILL STATEMENT
(SERVICE PROVIDER: TATA POWER LIMITED)**



Signature and Seal:



**MONTH OF SEPTEMBER POWER BILL STATEMENT
(SERVICE PROVIDER: TATA POWER LIMITED)**

TATA POWER
Lighting up Lives!

The Tata Power Consumer Limited
Customer Relationship Centre, Service Receiving Centre
New Mumbai Industrial Estate, Maharashtra - 400 001
Mumbai - 400 001

Registered Office:
Sardar House, 24, Park Road, Lower Marine Drive, Mumbai - 400 001
Website: www.tatapower.com

For any Complaints/Enquiries/Requests
please call toll free 24 x 7 Call Centre
For pre-booking of New Power Connections,
please call 1800-208-5161

CALL CENTRE
(Toll Free) **1-800-208-5161** **FIRE/ACCIDENT**
2677-4398

YOUR ELECTRICITY BILL

Name: Small Industries Development Bank Of India
Address: SME Development Centre
SIDBI
Plot No. C-11, 12 Street
Banera, Kurla Complex
Banera (East), Mumbai 400061

Consumer No: 8873	Bill Month: SEP 2010
Bill No: 1102449006	Meter No: 3027420
Bill Date: 23.09.2010	Units Consumed (kWh): 100,180
Bill Period: 15.09.2010 To 15.09.2010	Current Month Bill Amount (Rs.): 757,227.00
Supply Division: 0001	Prev Outstanding Amount (Rs.): 0.00
Type of Supply: 3PHASE	Total Bill Amount (Rs.): 757,227.00
Toll Call: 24x7 Customer	

Bill Amount Due or Before Discount Date - 30.09.2010
Rs. 750,799.00

Bill Amount Due or Before Due Date - 07.10.2010
Rs. 757,227.00

Particulars	Amount
Standard Domestic (1000 VA)	1,000.00
Standard Commercial (1000 VA)	1,000.00
Standard Commercial (1000 VA)	434.00
Other Domestic (1000 VA)	800.00
Other Commercial (1000 VA)	0.00
Standard Commercial (1000 VA)	1,000.00
Other Commercial (1000 VA)	700,000.00
Other Commercial (1000 VA)	700,000.00
Standard Commercial (1000 VA)	0.00

DISCOUNTED TO THE CUSTOMER

1. The Tata Power Co. Ltd. Meter Substation Office, Banera East, MIDC, Near Flyover, Metro, Banera East, Cross Road 'C', Mumbai - 400 001. (0.00 am to 0.00 pm) Min-Bill

2. The Tata Power Co. Ltd., Customer Care Centre, Service Receiving Ctr., Opp. Maharashtra Bus Depot, Dattaram Road, Mumbai (East), Mumbai - 400 005. (9.00 am to 5.00 pm) Min-Bill

3. The Tata Power Co. Ltd. Consumer Centre, Block-B, 3rd Floor, 34, Sardar Vallabhbhai Patel, Central Banera, Mumbai - 400 005. (9.00 am to 12.00 pm) 2.00 per hr. & 4.00 per hr. Monday - Friday

DISCOUNTED TO THE CUSTOMER

1. Tata Power Meter Substation, Marol Marhe Road, Marol (W), Mumbai - 400 020

2. Tata Power Service Offices, Banera Kurla Complex, Opp. Sardar Chandra Bazaar, Banera (E), Mumbai - 400 061. Standard Chartered Bank, State Bank, All Railway Stations and Post offices in Mumbai and at all Standard Chartered Bank branches. Cash Payment at Standard Chartered Bank branches. NEFT Payments: (1) No. 400, Chhatrapati Shivaji Maharaj, Mumbai 400 002. (2) am to 4 pm Mon-Fri & am to 2 pm Sat. (3) No. 21-22, Sardar Vallabhbhai, Opp. New Link Road, Shiv Chandra Sarabhayya Nagar, Lakhadwala Complex, Andheri (W), Mumbai - 400 052. (4) am to 4 pm - Monday to 00 am to 2 pm - Sat. Recipients: (1) State Bank (2) SBI - All Branches free Bill Payment. For Online payment please login to www.tatapower.com, please register your Bill to avail this facility. For queries please login to www.tatapower.com, please register your Bill to avail this facility.

TERMS TO THE CUSTOMER

Electricity supplied to MIDC is applicable from 1st day of the month. The amount of tax (TDS) will be added to the bill. Avoiding arrears and power cuts. Day 15 - 24 hours (24 x 7) Service Centre. 24 x 7 Control, Meter Fault Helpline. Special Meter Substation Metering Unit

Things to Remember

- Switch off the lights and fans when not in use.
- Switch off the mains when the appliances are not in use.

Read Clap for

Tata Power Co. Ltd.

(Signature)

M. Chavan
Head-Customer Mgmt.



Meter No. 1	Meter No. 2	Meter No. 3
Closing Rtg	Closing Rtg	Closing Rtg
Opening Rtg	Opening Rtg	Opening Rtg
Diff	Diff	Diff
M.F.	M.F.	M.F.
Av. Load	Av. Load	Av. Load
Units	Units	Units
TOTAL UNITS (Av. Load) : 106,140 TOTAL kWh : 21,532 TOTAL kVA : 424		
Consumer No. : 8572		

Details of Electricity Duty		
Code	Units	Amount (Rs.)
C	106,140	109,279.44
	0	0.00
	0	0.00
Total	106,140	109,279.44

Your Past Performance (For 12 Months)			
Period Month	Units (kWh)	Max. Demand (kW)	Power Factor
AUG 2010	107,231	401	0.980
JUL 2010	109,090	406	0.970
JUN 2010	115,840	418	0.970
MAY 2010	115,240	402	0.990
APR 2010	107,640	390	0.970
MAR 2010	88,000	411	0.980
FEB 2010	82,080	385	0.990
JAN 2010	94,700	324	0.990
DEC 2009	96,740	407	0.990
NOV 2009	94,320	394	1.000
OCT 2009	84,940	407	0.990
SEP 2009	82,420	381	0.980

Summary of Electricity Tariff Schedule (INR/kWh)				
Category	Energy Charge (INR/kWh)	Power Factor Charge	Variable Cost (INR/kWh)	Other Charges (INR/kWh)
1. Domestic (1-10000 kWh)	4.00	Rs. 10000 per month	0.00	0.00
2. Commercial (10000-50000 kWh)	4.00	Rs. 10000 per month	0.00	0.00
3. Industrial (50000-100000 kWh)	4.00	Rs. 10000 per month	0.00	0.00
4. Other (100000+ kWh)	4.00	Rs. 10000 per month	0.00	0.00
5. Special Tariff (1-1000 kWh)	4.00	Rs. 10000 per month	0.00	0.00
6. Special Tariff (10000-50000 kWh)	4.00	Rs. 10000 per month	0.00	0.00
7. Special Tariff (50000-100000 kWh)	4.00	Rs. 10000 per month	0.00	0.00
8. Special Tariff (100000+ kWh)	4.00	Rs. 10000 per month	0.00	0.00

Your Bill Details (Rs.)	
1. Energy Charges	109283.30
2. To-D-A Rebate 22 to 8 hrs	(22) 11911.00
3. To-D-C 9 to 12 hrs	11720.00
4. To-D-D 18 to 22 hrs	9560.00
5. Demand Charges	75000.00
6. Fuel Adjustment Charge @ Rs. 0.4005	32019.33
7. Electricity Duty	109279.44
8. Tax on Sale of Electricity	34412.20
9. Power Factor Surcharge / Incentive	(22) 10294.91
10. Adjustments	0.00
11. Total(1 to 10)	797227.00
12. Delayed Payment Charge	0.00
13. Interest on Arrears	0.00
14. Outstanding Amount	0.00
15. Load Factor Incentive for last month	0.00
16. Bill Amount(11 to 15)	797227.00
17. Discount (if paid on / before 30.09.2010)	6420.00
18. Other Charges/Reason / Mtr. Testing	0.00
19. Net Bill Amount	790807.00
20. Security Deposit Due	0.00
E & O E	

Tata Power - D Tariff w.o.f. 1st September 2010				
Sr. No.	Consumer Category	UOM	Fixed Charge / Demand Charge	Total Energy Charge
			Rs.	Rs.
Low Tension categories				
1	LT II - LT Commercial			
	0 - 20kW	Per month	150	4.25
	>20kW & <50kW	per kVA/month	150	4.80
	>50kW	per kVA/month	150	5.05
2	LT III - LT Industrial below 20kW load	Per month	150	4.50
3	LT IV - LT Industrial Above 20kW load	per kVA/month	150	5.10
4	LT V - Advertisement & Hoarding	Per month	200	13.55
5	LT VI - Streetlights	per kVA/month	150	4.00
6	LT VII - Temporary Supply			
	A) TSB - Temporary Supply Religious	per conn/month	200	2.00
	B) TSO - Temporary Supply Others	per conn/month	200	11.00
7	LT VIII - Crematoriums & Burial Grounds	per conn/month	200	2.00
High Tension categories				
8	HT I - Industries	per kVA/month	150	5.00
9	HT II - Commercial	per kVA/month	150	5.20
10	HT III - Group Housing Society	per kVA/month	150	4.10
11	HT IV - Temporary Supply	per conn/month	200	9.00
12	HT V - Railway			
	22/33 kV	per kVA/month	150	4.95
	100 kV	per kVA/month	150	4.80

TOU Tariff	
0600 hrs - 0900 hrs.	0.00
0900 hrs - 1200 hrs.	0.50
1200 hrs - 1800 hrs.	0.00
1800 hrs - 2200 hrs.	1.00
2200 hrs - 0600 hrs.	-0.75

Note: 1. For Change over customers - Winding charges for Tata Power - D has been changed from 1st Sept 2010 are as follows -

Item Description	Winding Charges (Rs./kwh)
HT Customers	0.15
LT Customers	0.38