

**TENDER
for**

**Upgradation, Engineering Procurement & Construction (EPC) and
Operation & Maintenance of existing Solid Waste Processing plant to
“Waste to Energy” at Bhariyal, Tara Devi Totu bye-pass Road,
Shimla on SWISS CHALLENGE MODEL.**

Municipal Corporation Shimla has set up a Solid Waste Processing Plant at Bhariyal which is non-functional presently. A proposal has been received from M/s Elephant Energies Pvt Limited, Delhi for Refurbishment, Up-gradation of the existing plant for power generation with Gasification Technology and its further O&M. The repairs of the existing machinery/equipments and further installation of machinery/equipments shall have to be carried out by the bidder.

Based on the proposal submitted by M/s Elephant Energy Pvt Limited, Municipal Corporation Shimla intends to invite Expression of Interest on SWISS CHALLENGE MODEL from the interested Companies/NGOs/Voluntary Groups/ Joint Ventures/ Other parties for the “Up-gradation, EPC, and Operation & Maintenance (O&M) of the existing 100 MT/Day capacity Municipal Solid Waste Processing Plant installed at Bhariyal, Tara Devi-Totu Bypass road, Shimla initially for the period of twenty years which may be extended further on mutually agreeable terms on satisfactorily performance.

Site Information:

The existing plant is at Bhariyal on Tara Devi - Totu Bye Pass road. This site is located at a distance of about 13 KM. from ISBT.

Minimum Eligibility Criteria:

The bid should be supported by the details of the applicant as follows:-

1. Brief profile of the bidder including qualifications & experience.
2. A Net Worth of minimum Rs. 3.00 Cr duly certified by Chartered Accountant. The company should have agreement to fund the design, development, construction and commissioning of plant.

3. The company should have done the environmental validation of waste to energy process and technology that will be deployed at plant.

SCOPE OF WORK:

1. Revamping of the existing solid waste processing plant to make it operational and up-gradation for power generation with Gasification Technology.
2. Operation & Maintenance of revamped and upgraded 100 MT/Day capacity Municipal Solid Waste Processing plant as per MSW Rules, 2000 for minimum of twenty years.
3. Scientific disposal of all the inert up to maximum of 10% of the MSW received shall be disposed at landfill site identified by MC Shimla.
4. The land requirement of plant to treat 100 M tons of waste should not be more than 1300 square meters, plus the land required for vehicle movement.

Gasification Technology

1. Design, Engineering, Procurement, Supply, Commissioning, Testing, Trial of Gasification Technology.
2. The temperature should be maintained that no toxic gases like dioxin & furan etc are emitted to the environment.
3. All the recurring costs like water & electricity bills, use of chemicals, inoculum and sanitizer; salaries of staff deployed, etc. shall be borne by successful bidder.

Note: The details can be obtained from Term of Reference (TOR) which can be downloaded from MC Shimla website www.shimlamc.gov.in.

SUBMISSION OF BID

1. Bidders who want to form consortium / joint ventures, the bid should clearly state the Lead Partner/Agency.
2. Municipal Corporation Shimla will consider bid only from those bidders who

deposit Earnest Money Deposit (EMD) of Rs. 5.0 Lac in the form of crossed Demand Draft in favour of Commissioner, Municipal Corporation, Shimla and a non-refundable Demand Draft of Rs 5000/- (Rupees Five Thousand) only as processing fee in favour of Commissioner, Municipal Corporation Shimla, payable at Shimla.

3. The bid must have two separate envelopes, one for Technical Bid, Earnest Money Deposit & Processing fee and second for Financial Bid .

4. Interested bidders may submit their bid in the office of Commissioner, Municipal Corporation Shimla on or before 2.30 PM on 7th December, 2015. The Technical bids will be opened on the same day i.e. 7th December, 2015 at 3.30 PM. by the Tender Opening & Evaluation Committee in the presence of the representatives of the bidders, who may like to be present.

5. Commissioner, Municipal Corporation Shimla reserves the right to accept or reject any or all the bids without any liability or assigning any reason thereof.

Sd/-

Commissioner,
Municipal Corporation, Shimla.

TERMS OF REFERENCE

for

Upgradation, Engineering Procurement & Construction (EPC) and Operation & Maintenance of existing Solid Waste Processing plant to “Waste to Energy” at Bhariyal, Tara Devi Totu bye-pass Road, Shimla on SWISS CHALLENGE MODEL.

Municipal Corporation Shimla has set up a Solid Waste Processing Plant at Bhariyal which is non-functional presently. A proposal has been received from M/s Elephant Energy Pvt Limited, Delhi for Refurbishment, Upgradation of the existing plant for power generation with Gasification Technology and its further O&M. The repairs of the existing machinery/equipments and further installation of machinery/equipments shall have to be carried out by the bidder.

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1. Brief profile of the bidder including qualifications & experience.
2. A Net Worth of minimum Rs. 3.00 Cr duly certified by Chartered Accountant. The company should have agreement to fund the design, development, construction and commissioning of plant.
3. The company should have done the environmental validation of waste to energy process and technology that will be deployed at plant.

SCOPE OF WORK:

1. Revamping of the existing solid waste processing plant to make it operational and upgradation for power generation with Gasification Technology.
2. Operation & Maintenance of revamped and upgraded 100 MT/Day capacity Municipal Solid Waste Processing plant as per MSW Rules, 2000 for minimum of twenty years.
3. Scientific disposal of all the inert up to maximum of 10% of the MSW received shall be disposed at landfill site identified by MC Shimla.
4. The land requirement of plant to treat 100 M tons of waste per day should not be more than 1300 square meters, plus the land required for vehicle movement.
5. The plant should have redundancy of 25% to cater for maintenance. Plant capacity should never go below 70 M Tons per day.

Gasification Technology

1. Design, Engineering, Procurement, Supply, Commissioning, Testing, Trial of Gasification Technology.
2. The temperature should be maintained that no toxic gases like dioxin & furan etc are emitted to the environment.
3. All the recurring costs like water & electricity bills, use of chemicals, innoculum and sanitizer; salaries of staff deployed, etc. shall be borne by successful bidder.

PRE-QUALIFICATION

1. The company should be functioning in the field of SWM sector and should have carrier out environmental validation of its process. ETV or equivalent.
2. Must have successfully executed Waste to Energy plant.
3. The company should have secured funding to design, develop, construct and commission the plant.
4. A Net Worth of company shall be 3 Cr.
5. The bidder should have visited the plant site personally or through representative so as to be acquainted with the functioning of the plant on **“as is, where is basis”** and prepare methodology accordingly. This methodology will be submitted with the Technical Bid.

6. The bidder should not be black listed / penalized by any government authority. A declaration in this regards to be submitted

CONTENTS OF THE TECHNICAL BID

1. Suggested modification with proposed scheme, layout of the plant, additional equipments / components with basic specifications and technicalities.
2. Details of the methodology to be adopted for the scientific operation of the plant as per Municipal Solid Waste (Handling & Management) Rules, 2000
3. Details of the experience of executing such projects of similar nature.
4. Details of personnel/man power for operating the plant.
5. Environmental Test reports as per ETV process or equivalent.

CONTENTS OF FINANCIAL BID

1. The bidder should clearly mention the funding process for setting up of the Waste to Energy plant as well as its Operation & Maintenance process. Bidder should mention the investment as per the following format:-

Particulars	Amount (in INR)
Appx. amount to be invested by the bidder	
Appx. amount to be invested by the MC Shimla.	

2. The per unit cost of electricity generated from plant and to be sold under PPA with distribution utility.

Note: The 1st refusal of right shall be given to M/s Elephant Energy Pvt. Limited

SUBMISSION OF BID

Bids must be submitted in three sealed envelopes clearly superscribed as under:-

1st: Earnest Money Deposit & Processing Fee (EMD & PF)

Earnest Money Deposit of Rs 5.0 Lac in the form of crossed Demand Draft/FDR in favour of Commissioner, Municipal Corporation, Shimla.

Similarly an amount of Rs. 5,000/- (Rs. Five Thousands) only/- in the form of

crossed Demand Draft in favour of Commissioner, Municipal Corporation, Shimla should also be enclosed for non-refundable Processing Fee.

Earnest Money Deposit of successful bidder shall be converted into security amount and the Earnest Money deposited by rest of the unsuccessful bidders shall be returned back and the bidders shall have no right to claim interest on this. The Processing Fee being non-refundable shall not be refunded to any bidder.

2nd: Technical Bid only.

3rd: Financial Bid only.

Bid must reach in the office of undersigned latest by 7th December, 2015 by 2.30 PM. Technical bids will be opened on same day at 3.30 PM. by the Committee constituted for the purpose in the presence of the authorized representatives of the bidders, who may like to be present. Envelop having Earnest Money Deposit & Processing Fee will be opened first. Technical bids will be opened only in cases where the earnest money and processing fee is received. The bids of the parties will be rejected straightway whose earnest money deposit and processing fee is not found in proper shape. Financial bids of those bidders will be opened who successfully fulfill the above mentioned Technical contents and date will be intimated later on.

Commissioner, Municipal Corporation Shimla reserves the right to reject any or all the bids without assigning any reason and no claim/dispute on whatsoever account shall be entertained.

Sd/
Commissioner,
Municipal Corporation, Shimla.