



OFFICE OF THE CHIEF EXECUTIVE OFFICER

Siliguri Jalpaiguri Development Authority (SJDA)

AN IS/ISO 9001:2008 CERTIFIED ORGANISATION

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Memo No.: 105/IV/V/ENGG/MR/11/20

(QSF: ENGG 03 / 01)

Dated: 6 /02/2020

NOTICE INVITING ONLINE EOI (e - QUOTATION) NO. 002 / ENGG / 2019 – 2020 OF SJDA

EXPRESSION OF INTEREST FOR PREPARATION OF PROJECT FEASIBILITY REPORT ON SOLID WASTE MANAGEMENT AT MATIGARA AND NAXALBARI, DIST. DARJEELING.

An Expression of Interest (EOI) is hereby invited by Siliguri Jalpaiguri Development Authority (SJDA) from the registered, bonafide, reliable and resourceful Architects / Agencies / Consultancy Firms having experience of not less than five years in Planning, Designing and preparation of Drawings For Preparation Of Detailed Project Report, Jalpaiguri, District Jalpaiguri, West Bengal.

About the Project:

PREPARATION OF DETAILED PROJECT REPORT (DPR) ON FEASIBILITY REPORT OF SOLID WASTE MANAGEMENT AT MATIGARA & NAXALBARI, DIST. DARJEELING

Objective of Proposed Project

To study the gaps of the present disposal system, also shall propose the report for New Disposal system as per the Guidelines of the CPHEEO, MSWS 2016 & WBPCB

The key aspects of Solid Waste Management (SWM) Plan shall be:

1.1. Scope of work:

1. Assessment of Solid Waste Generation from various sources considering present and future scenario.
2. Analysis of Characteristics of Solid Waste Generated from Domestic, Institutional, Commercial & medical sources.
3. Proposal for Storage, Collection, Segregation and Transportation of Solid Waste.
4. Identification of Methodology/Technology for Treatment and Disposal of Solid Waste.
5. Identification of Site and requirement of land for Treatment & Disposal of Solid Waste.
6. Proposal for promoting 3R Concept (Reduce-Reuse-Recycle) with an aim at zero waste.
7. Preparation of detailed estimate, bill of quantities for the building and ancillary works like electrical,

sanitary, firefighting arrangements, air-conditioning etc. vetting of estimate would be done by the Chief Engineer of Public works Department/ KMDA/ NBDD/ MED etc. and the fees for the same if any to be borne by the agency.

8. The following aspects need to be considered while designing the Solid Waste management System:
 - a. Review of the existing data.
 - b. Generation.
 - c. Storage and Collection.
 - d. Transportation.
 - e. Proposal for Processing/Recovery/Treatment/ disposal and viable utilization of end product.
 - f. Preparation of preliminary project feasibility report including decision matrix encompassing the suitability, appropriateness and relevance of the project in respect of its technical & economical viabilities.
 - g. Preparation of detailed project report (DPR) based on preliminary project feasibility report.
 - h. After approval of the DPR by the State Govt., preparation of draft .EOI needs to be submitted within 07 (Seven) days.

1.2 Review of Existing Data

The existing mechanism for disposal of solid waste shall be reviewed covering the following aspects.

- 1 Quantum of solid waste being generated from various sources as mentioned above.
- 2 Quantum of solid waste being collected & transported to disposal/processing sites.
- 3 Quantum of solid waste being disposed/ processed.
- 4 Assessment of efficiency of solid waste management system at various stages.
- 5 Assessment of capacity of existing facilities for disposal/processing of solid waste.

1.3 Generation

As a part of the study, a detailed survey of quantum of waste generated from various sources including domestic, commercial, institutional & medical shall be conducted. This shall supplement to the available data on quantum of solid waste generated from various sources.

- 1 Carryout reconnaissance survey to project site to assess the site condition.
- 2 Obtain ward wise/ Sansad/ GP wise current population as per latest available census data.
- 3 Projection of future population for current year and planning horizon using standard population projection measures.
- 4 Ward/ Block wise analysis of solid waste generation.

Solid Waste samples for domestic, commercial, institutional sources, medical shall be collected and analyzed for parameters as listed below:

- 5 ph
- 6 Bulk Density
- 7 Moisture Content
- 8 Calorific value

- 9 C/N Ratio
- 10 Any Chemicals of organic and inorganic nature

1.4 Storage and Collection

The existing frequency of solid waste collection shall be reviewed and its adequacy will be assessed. As a part of the study, frequency of collection of solid waste shall be finalized based on:

- 1 Quantum of solid waste generated.
- 2 Composition of solid waste.
- 3 Planning for door to door waste collection for municipal and kitchen waste from various sources.
- 4 Suitability of various types of waste collection system shall be assessed and suggested.
- 5 Guidelines for work norms for sweepers, supervisors to be developed.
- 6 Development of infrastructure for storage of collected solid waste at various sites.
- 7 Infrastructure & manpower planning for solid waste collection, storage, transportation, etc.

1.5 TRANSPORTATION

Zoning of the city/ Block and finalisation of the various projections and capacities of various Zones. Also it shall be instrumental in delineation of Catchments & Development of the circulation improvement plan. He shall propose the revised network for the city circulation.

As a part of the study, key aspects to be covered shall include:

- 1 Review of existing mechanism for primary collection of solid waste including mode of collection (manual/mechanical).
- 2 Modifications in the mechanism of solid waste collection and its transportation to its point of disposal to be suggested.
- 3 Mechanization of solid waste collection by using equipment/ machine to the extent possible.
- 4 Identification of suitable spots to be developed as enroute collection points for the collection of waste for its decentralized disposal stacking and transportation There must be a proposal for location of transfer stations.
- 5 Identification of suitable technology for the transportation of various types of wastes including digital monitoring.

1.6 Disposal, treatment and viable utilization of end product of Solid Waste & other management.

- 1 Estimation of additional infrastructure along with technology and their capacity required for handling of solid waste, i.e. disposal/processing.
- 2 Review of various schemes for disposal/processing assessment, and based on detailed analysis along with most technologically & economically feasible disposal/processing to be suggested for various categories of waste.
- 3 Preparation of preliminary project feasibility report with habitation, population, solid waste generation, collection, storage, transportation & treatment including utilization of end product for identification at various stages of Solid Waste Management System.
- 4 Setting up of waste processing and disposal facilities based on centralized/ decentralized

approach.

- 5 Scientifically approved plastic waste management schemes covering PET Bottles, Chips Packs, Carry Bags and, Tetra Packs, tiles etc for disposal in an eco-friendly manner.
- 6 Conduct topographic survey based on feasible / approved proposals in preliminary feasibility project report at solid waste disposal and processing site.
- 7 Conduct soil investigations for soil stratification at site identified for solid waste disposal and soil parameters for geotechnical / structural design of components.
- 8 Assess electrical load for various components of works and carryout preliminary electrical design for solid waste disposal and processing.
- 9 Prepare operation philosophy and management plan.
- 10 Prepare general arrangement drawings for civil, mechanical and electrical components of work including their design calculation.
- 11 Prepare quantity estimation for various components of works.
- 12 Prepare cost estimate for various components of work as per current PWD schedule to arrive at the project cost. For non schedule items quotations (at least 3) with C.S. needs to be submitted to arrive at a least quoted rate.
- 13 Prepare cost estimate for various components of work to arrive at the project cost. The cost components to be included in Life cycle cost analysis, shall include the following:
 - a. Capital cost (One time cost) including cost of land cost and various components of the system.
 - b. A summary of recurring cost (Annual) of operation and maintenance should include Energy, manpower cost in operation and maintenance, chemicals, Consumables, Repair and maintenance including Resource recovery with break ups to be accounted for 15(Fifteen) years
 - c. Technical and Financial viability of the project.
- 14 Solid Waste Management system will be designed for current and design year as per CPHEEO recommendations using modular approach
- 15 Viable utilization of end product.
- 16 Decision matrix encompassing the appropriateness / relevance of the project.
- 17 The project should conform to the PCB recommendation, relevant manuals on MSWS 2016, CPHEEO and other relevant manuals & codes of practice.
- 18 Preparation of Project Report on feasibility of the project.
- 19 Any revisions in respect of the Project feasibility Report, as per instructions of the SJDA, should be carried out without any cost involvement in furtherance.
- 20 Estimation on the project cost.
- 21 Submission of DPR (In quadruplicate) with relevant drawings encompassing the details of the survey and its findings proposing an innovative proven, state of the art and economically viable technology to be adopted in line with the provisions enshrined in the CPHEEO and MSWS 2016 manuals and to be submitted within next three months.
- 22 Detailed Project report should be submitted after three months from the date of approval of the feasibility report.

1.7 ELIGIBILITY TO PARTICIPATE:

Registered, bonafide, reliable and resourceful Architects / Agencies / Consultancy Firms having not less than **five years** of experience in designing similar type of project may participate in this Expression of Interest (EOI). The Multi-Disciplinary Firms / Agencies / Consultancy Firms, who have executed similar projects, may also submit their proposals. All of them should also have experience in planning and designing of **at least one project of similar nature costing Rs. 2.0 (Two Point Zero) Crores or above during the last three Financial Years.**

1.8 SELECTION / ACCEPTANCE OF THE SUCCESSFUL BID/ OFFER:

- 1 The final selection/acceptance of the bid/offer shall be made by a panel of experts to be constituted by the SJDA and the panel of experts would be headed by the Superintending Engineer.
- 2 The accepting authority/ SJDA reserves right to withdraw from whole process of EOI or any part thereof or to accept or reject any or all bid(s)/offer(s) including the lowest bid/offer received at any stage of the process without assigning any reason whatsoever to the participants. No formal obligation shall accrue to the SJDA or in such an event the authority concerned shall not be responsible for non- receipt of correspondence sent by post/e-mail/fax/courier.
- 3 For selection/finalization of the offer/bid, at first responsiveness will be verified as per eligibility criteria and submitted documents. The eligible participants will have to make a presentation of their architectural design and other details before the panel of experts to be constituted by the SJDA when they shall be called for the same. During presentation, the participant / bidder shall have to present their concept to visualize the proposed project along with three dimensional drawings preferably from different angles. The participants shall have to arrange own laptop /computer etc. The SJDA shall provide venue for the presentation. Final selection shall be made on the basis of marks given by the panel (70% weightage for Technical Bid and 30% weightage for Financial Bid). The marking system would be as follows:

Technical bid / proposal:

SL NO	CRITERIA	MARKS
01	Approach & Methodology	10
02	Key professional staff qualification and competence for the assignment	20
03	Experience and financial strength of the bidder	20
03	Concept Plan & Design and presentation thereof	40
04	Proposed Phasing	10
	Total Marks	100

The score would be the arithmetic sum of the marks assigned to the bidder under each of the parameter listed above.

Financial bid/proposal

The Financial bid/proposal with the lowest cost (L1) will be given a score of 30 and for the other proposals (N, N1, N2 etc.), scores will be calculated by the formula " $L1/N \times 30$ ".

1.9 BID DOCUMENTS

Part-I (Eligibility) bid shall contain.

- 1 Total Turnover of the company / firm for the last 3 years i.e. upto 31.3.2019 specifying eligibility criteria.
- 2 Partnership Deed with Registration Certificate in case of partnership firm / Trade License / Company Registration Certificate valid at least up to the date of submitting their bid.
- 3 Service Tax Registration Certificate.
- 4 Income Tax (I.T.) PAN.
- 5 Valid 15-digit Goods and Services Taxpayer Identification Number (GSTIN) under GST Act, 2017.
- 6 "Tax invoice(s) needs to be issued by the supplier for raising claim under the contract showing separately the tax charged in accordance with the provisions of GST Act, 2017" / in terms of 4374 F (Y).
- 7 Auditor's Certificate for Turnover for the last three years, i.e. upto 31.03.2019.
- 8 Registration certificate of Council of Architecture valid at least up to the date of submitting their bid.
- 9 Experience on successful preparation of similar type of works specifying eligibility criteria.
- 10 Key professional staff qualification and competence for the assignment (Details of Architects and Engineers).
- 11 Concept proposal

Any participating bidder not following the steps in submitting the bid /offer as described above are liable to be disqualified.

Part-II Financial Bid

The all intending bidders should quote their financial bid in Rupees (**inclusive all taxes**) in relevant place of BOQ.

1.10 TERMS & CONDITIONS:

- 1 Before submitting any bid offer, the intending participants should make themselves acquainted, thoroughly, with the local conditions prevailing by actual inspection of the site and take into considerations all aspects including actual size and availability of land, communication facilities, climate conditions etc. As no claim whatsoever will be entertained on these accounts, afterwards.
- 2 All related expenditure incurred by the bidders for preparation, submission, clarification, etc. shall not be borne by SJDA.
- 3 As per the evaluation criteria specified above, selected successful bidder maybe called for negotiations for improvement of Terms of Reference and scope of work and financial terms. SJDA reserves the right to negotiate with the successful bidder.
- 4 The selected bidder will have to enter into an agreement of contract with SJDA within 10 (ten) days of issuance of the LOI.
- 5 Preliminary Project feasibility report (In duplicate) should be submitted within 30 (Thirty) days from the date of issue of Letter of Intent/ work order.

Submission of DPR (in quadruplicate) with relevant drawings encompassing the details of the survey and its findings proposing an innovative proven, state of the art and economically viable technology to be adopted in line with the provisions enshrined in the CPHEEO and MSWS 2016 manuals and to be submitted within next three months. NOC (No Objection Certificate) from the Environment Department/ Pollution Control Board under Government of West Bengal would be required. The building design must conform to the prevailing rules of the National building code and that of feasibility as per norms of the local area authority. Fire safety norms also must conform of the area as per relevant B. S. Codes.

7 Fees Payable: -

Fee would be paid as a percentage of the Total quoted / accepted Fee inclusive of taxes as mentioned against each item of works as per following. Payments will be released only after approval by the Competent Authority.

- a. 10% on submission of preliminary report.
 - b. 20 % on Submission of vetted Draft DPR.
 - c. 40 % on Submission of Final DPR.
 - d. 15 % after completion of 50% of Work Completed and
 - e. Balance 15 % on completion of work.
- 8 Separate tender/ bid will be invited by SJDA for implementation of the Proposed Solid Waste Management Project. Construction/ Implementation supervision shall have to be taken up by the selected bidder after actual work begins (to be communicated separately) and shall continue till completion of the project in the field. The periodical supervision should preferably twice in a month. If required, the frequency of visits to the Project site might be increased.
 - 9 Any bid/offer containing overwriting is liable to be rejected. All corrections are to be attested under the dated signature of the bidder without which the bid/offer may be informal.
 - 10 Download and Bid Submission / Upload Start Date & Time **06.02.2020 from 16.00 hrs.**
 - 11 Download and Bid Submission / Upload End Date & Time - **19.02.2020 up to 16.00 hrs.**
 - 12 Date of opening of Technical Proposals - **24.02.2020 at 11.00 hrs.**
 - 13 Date of opening of Financial Proposals will be declared after technical evaluation.
 - 14 No conditional bid/offer shall be accepted.
 - 15 The Bidders shall have to show original copies of the submitted documents at the time of evaluation of the bids.
 - 16 The Bidders or their authorized representatives may remain present at the time of opening of bids. The schedule of opening may be altered depending on unavoidable circumstances.
 - 17 Bidder shall not be in a conflict of interest with one or more parties in the bidding process.
 - 18 In the event of e-Filing intending bidder may download the quotation documents from the website **<https://etender.wb.nic.in>** or **wb.tenders.gov.in** directly by the help of his Digital Signature Certificate (DSC).
 - 19 In case of online submission, Technical Bid and Financial Bid both will be submitted concurrently duly digitally) signed in the Website **<https://etender.wb.nic.in>** or **wb.tenders.gov.in** Quotation documents may be downloaded from website & submission of Technical Bid / Financial Bid as per the Date / Time Schedule stated in this NIQ. The documents submitted by the bidders should be properly indexed & attested with seal.
 - 20 Any corrigendum, addendum, modification, extension, change etc. in the EOI/Bid including dates, venue, conditions, minutes of meeting etc. will be uploaded in the SJDA website (**www.sjda.org**) which will be treated as public announcement / communication required for the EOI/ Bid and EOI/Bid will be treated as revised accordingly. Bidders are advised to follow SJDA website (**www.sjda.org**) regularly related to the captioned project for all public announcements / communications.

21 Contact Address: Siliguri Jalpaiguri Development Authority, Tenzing Norgey Road, Central Bus Terminus, Pradhan Nagar, Siliguri-734003, Telephone Nos. 0353-2515647 / 2512922, Fax-2510056 during office hours.

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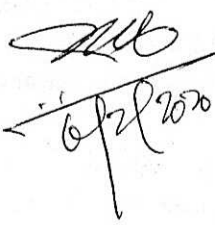

Chief Executive Officer
Siliguri Jalpaiguri Development Authority

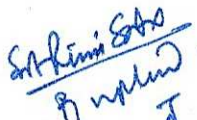
Dated: 6 /02/2020

Copy to: With request to display in their Notice Board.

1. Addl. Executive Officer, Siliguri Mahakuma Parishad.
2. Commissioner, Siliguri Municipal Corporation.
3. District Magistrate, Darjeeling.
4. District Magistrate, Jalpaiguri.
5. Chairman, Jalpaiguri Municipality, Jalpaiguri.
6. Secretary, Jalpaiguri Jilla Parishad, Jalpaiguri.
7. Superintending Engineer, PW (Roads), SHC-IV, Shaktigarh, Siliguri.
8. Executive Engineer, Northern Circle, PWD, Jalpaiguri.
9. Executive Engineer, North Bengal Development Department, H. C. Road, Siliguri.
10. Executive Engineer, North Bengal Construction Division, PWD, Siliguri.
11. Executive Engineer, Construction Board, Gayaram Build, H.C. Road, Siliguri.
12. Executive Engineer, Darjeeling Division, PWD.
13. A. P., Siliguri Jalpaiguri Development Authority, Siliguri for uploading in SJDA website.
14. Concern Assistant Engineer, Siliguri Jalpaiguri Development Authority, Siliguri
15. D.I.O., NIC, Siliguri for uploading in official website
16. Notice Board, Siliguri Jalpaiguri Development Authority, Siliguri.
17. Notice Board, Siliguri Jalpaiguri Development Authority, DCRPD Building, Near Sadar Hospital, Jalpaiguri.


Chief Executive Officer
Siliguri Jalpaiguri Development Authority


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