



**URBAN DEVELOPMENT & HOUSING DEPARTMENT
GOVERNMENT OF SIKKIM**

EXPRESSION OF INTEREST
FOR
DESIGN, BUILT & TRANSFER
OF
**REGIONAL FACILITY FOR
SOLID WASTE TREATMENT
AND
DISPOSAL PROJECT AT SHIPCHU
TO CATER TO SOUTH & WEST SIKKIM
IN SIKKIM**
FUNDED
UNDER
SWACHHATA ACTION PLAN (SAP)
OF
NLCPR SCHEME

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1.0 Expression of Interest:

On behalf of the Government of Sikkim, the Urban Development & Housing Department, Government of Sikkim invites the Expression of Interest (EOI) for “Design and Regional facility for Solid Waste Treatment and Disposal Project at Shipchu to cater to South & West Sikkim in Sikkim” funded under Swachhata Action Plan (SAP) of NLCPR scheme on a Design, Built and Transfer (DBT) basis from the registered Contractors (Civil) enlisted with Sikkim Public works Department (SPWD) and having experience and expertise for construction of sanitary landfill on a sloping terrain. The interested contractors shall submit their Expression of Interest to the Principal Chief Engineer, Urban Development & Housing Department, Gangtok, East Sikkim on or before **22nd May 2018** along with the requisite documents to fulfil the pre-qualification as per the Eligibility Criteria indicated at section 3.0 below.

The detail in respect of the project overview, bidding and selection processes, guidelines and other conditions are briefed hereunder in the respective sections.

2.0 Name of the projects:-

Regional facility for Solid Waste Treatment and Disposal Project at Shipsu to cater to South & West Sikkim in Sikkim” funded under Swachhata Action Plan (SAP) of NLCPR Scheme.

3.0 Eligibility Criteria:-

The Eligibility Criteria to be fulfilled by the intending bidders for pre-qualification are as under:-

- i. The intending bidder shall be the holder of Class-I A enlistment certificate as a civil contractor registered with Sikkim Public Works Department (SPWD), Government of Sikkim. The attested copy of the validated enlistment/ registration of the intending bidder shall be attached with Expression of Interest.
- ii. The intending bidder shall have adequate experience in construction of Solid Waste Treatment Projects with a proven track record of having successfully executed and completed at least one similar nature of project of net worth not less than Rs. 9.00 crore in a single work order/ job order or at least Rs. 6.00 crore in two work order/job orders in the last 10 years. The completion certificate of the client/ client department issued in the name of the bidder for having successfully completed the similar work indicating project cost, location, name/type of the project or any other relevant information about the project shall be attached with the expression of Interest.
- iii. The annual turnover of the intending bidder shall not be less than Rs. 3.00 crore per annum in the past three years or not less than Rs. 6.00 crore cumulative in the past two years. The certified copy of the balance sheet of the last three years duly vetted by the registered chartered Accountant shall be attached with the Expression of Interest.

- iv. The intending bidder shall have adequate tools, plants, machinery, equipments and skilled masons, plumbers, certified electrician etc. for such work to explicitly display the bidder's capacity to execute the project. List of the same shall be submitted in self certified sheets for manpower and equipments separately.
- v. The intending bidder shall submit a latest Solvency Certificate from the State Bank of Sikkim or of any other Nationalized Banks operating in Sikkim issued not earlier than 31st March, 2018 for a minimum amount of Rs. 4.00 crore with the Expression of Interest.

Intending bidders under category Class- I A civil contractors enlisted with Sikkim PWD may also in tie up with the company from within and outside the state having expertise in such type of project and submit their requisite documents for pre-qualification as per eligibility criteria under clause 3.0 of the Expression of Interest. However, company engaged by the intending bidders shall be no party in the agreement signed between the successful bidder and the department .Successful bidder shall be solely responsible for any breach of contract agreement signed with the department.
- vi. Stock Materials (cement & Steel) shall be supplied through S.T.C.S Tadong, Gangtok.

4.0 Additional mandatory requirements:-

The bidders shall submit the attested photo copies of the following documents along with the other supporting documents to fulfil the prequalification as per the eligibility criteria under section 3.0.

- i. GST Registration Clearance Certificate
- ii. Profit/Loss account statement as on 31st March of the previous financial year
- iii. The bidder shall provide the valid postal address, mobile number and email address along with the Expression of Interest.

5.0 Submission of Expression of Interest:-

The expression of Interest shall be submitted in computer printed form in a wax sealed envelope along with all the relevant documents mentioned at eligibility criteria under section 3.0 and additional mandatory requirements as per section 4.0 and sent at the following address or personally delivered to :-

**The Principal Chief Engineer,
Urban Development & Housing Department,
Government of Sikkim,
Gangtok.**

NOTE: *The sealed envelope shall be inscribed with "EXPRESSION OF INTEREST FOR (NAME OF THE PROJECT) on the top of the envelope, detail of the addressee at the left top corner and the name and detail address of the bidder at the bottom right corner of the envelope. The submission at this stage shall only include the related documents to fulfill the prequalification requirements as per Eligibility Criteria and Additional Mandatory Requirements as per sections 3.0 and 4.0 respectively. The bidder shall not submit Financial Bid, Bid Security of Cost of Tender Form at this schedule for each submissions and the participation in the bidding process is given at section 12.0 Tender Schedule.*

6.0 Bid System, Qualification and Selection:

This is a three bid system involving i) Pre-qualification ii) Technical Bid (Competitive presentation of Concept Design) and iii) Financial Bid. The bid evaluation process and qualification of the bidders shall be as under:-

6.1 Pre-qualification: This is the first bid evaluation process, wherein the pre-qualification of the bidders will be assessed as per the requirements outlined in Eligibility Criteria and additional mandatory requirements at section 3.0 and 4.0 respectively. The documents submitted by the bidder in support of these prequalification requirements will be examined and assessed by the bid evaluation committee in presence of the bidders who wish to be present. Only the bidders those qualified in the pre-qualification shall be invited to participate in the rests two bids i.e. Technical Bid (Presentation of the Concept Design) and Financial Bid. The bidders those not meeting the pre-qualification requirements as per section 3.0 and 4.0 shall be disqualified and shall not take part in further bids. Such disqualified bidders would be intimated with a copy of pre-qualification bid evaluated sheet.

6.2 Technical Bid (Competitive presentation of Concept Design):

The presentation of the Concept Design shall necessarily include a Power Point Presentation by the bidder or his professional/technical representatives to be presented before the technical committee comprising of the panel of judges at the Chamber of Secretary, Urban Development

& Housing Department, Gangtok in East Sikkim on the date given hereunder in the Tender Schedule at section 12.0. The presentation shall be in line with the “Project Overview” at section 8.0 and shall include detail project components as per the scope of work outlined at section 8.0. An architectural walk-through animation film or any innovative visuals or graphics to make the presentation more descriptive would be preferred. The presentation shall deliberate upon each descriptive of the project feature including their advantage over alternatives. The design concept shall have a holistic approach and shall be workable and translatable on the ground. The Technical Bid (Competitive Presentation of Concept Design) forms the basis for computing the Financial Bid. The bidder shall also be prepared to make further presentations if deemed necessary by the technical committee with modification, alteration or to bring any innovation in the design concept as may be directed during the presentation. Maximum time to be allotted for presentation to each bidder shall be 1½ (one and a half) hours, which may be executed at the discretion of the technical committee on the spot. The decision of the technical committee and the score allotted to the bidder for the technical bid shall be final and binding. The bidder shall also make avail the hard and soft copies of the presentation to the technical committee.

6.3 Financial Bid: This is a turkey project to be executed on Design, Built and Transfer (DBT) basis. Accordingly, the total bid price (offer) under DBT shall be clearly indicated in figures and words in the Tender Form issued by the department, whereas the component wise cost break-up for each scope of work shall be attached in a self designed format (additional sheets) specifying clearly the area or quality, rate and amount along with a brief work specification. The cost of civil works may be analyzed on plinth area rate, whereas the cost of

Fire fighting equipments and supply items involved in the Leachate Treatment Plant may be worked out based on material proposed.

The Financial Bid may also incorporate the analysis of rates of any specific items or activities and justification for the same wherever deemed necessary. The schedule of payments and term & conditions shall be explicitly indicated in the line with the standard practice under DBT Contract/ Turnkey Contract. Care should be taken not to include such stringent conditions that are not likely to be accepted. The conditional bid may be rejected. Any changes or modification in the schedule of payments or the terms and conditions as may deem necessary by the client department prior to drawl of final agreement shall be agreeable to the bidder. The Financial Bid containing the completed Tender Form along with the other attachments indicated above shall be submitted in a wax sealed envelope on the date and time given in the Tender Schedule at section 12.0. The Financial Bid of the technically qualified bidders will be opened by the Bid Evaluation Committee on the date and time mentioned therein at section 12.0.

6.4 Selection Process: The Technical Bid (Competitive presentation of the Concept Design) and Financial Bid shall be evaluated through allotment of marks with total marks of 100 at the ratio of 60:40 respectively (60% for Technical Bid and 40% for Financial Bid). After evaluation of the Technical Bids, only technically qualified bidders will be allowed to participate in the Financial Bid after submission of cost of Tender Form and Bid Security. The selected bidder/bidders may be required to make further presentations with possible changes on technical parameters and accordingly modify the Financial Bid in commensurate with the changes in the Technical Bid on the directives and discretion of the Bid Evaluation Committee. If the two or more bidders stand equally in the Technical and Financial Bids, decision and judgment of the Bid Evaluation Committee shall be final and binding. The Bid Evaluation Committee may select or reject any or all the bids without assigning any reason thereof.

7.0 Tender Form and Bid Security:-

The purchase of the Tender Form and submission of Bid Security shall be applicable only for those bidders who have met all the pre-qualification requirements as per the Eligibility Criteria and are declared technically qualified.

These deposits include the following:-

7.1 Cost of Tender Form: The intending bidder those qualified technically may purchase the prescribed non transferable Tender Form from the Chief Accounts Officer, Urban Development & Housing Department at the date and time mentioned in the Tender Schedule at section 12.0. The bidders shall produce Bank Receipt (BR) or Challan of Rs. 1, 00,000/- (Rupees One Lakh only) towards the cost of tender form (non-refundable) deposited under receipt head “0045-800-03 Other Miscellaneous Receipt - Cost of Tender Form” for purchase of Ten Form, where the bidders are to quote the total offer rate of the project under DBT tender in both figure and words.

7.2 Bid Security: The intending bidders who are declared technically qualified shall submit a Bid Security of Rs. 27.86Lakh in the form of TDR/FDR drawn with the State Bank of Sikkim or FDR (Fixed Deposit Receipt) of any Nationalized Bank operating in Sikkim in favour of the Chief Accounts Officer, Urban Development & Housing Department, Government of Sikkim.

8.0 Project Overview:

The Department of North Eastern Region (DoNER), on behalf of the Government of India has approved and sanctioned to the Urban Development & Housing Department, the project, “Regional facility for Solid Waste Treatment and Disposal Project at Shipsu to cater to South & West Sikkim in Sikkim”, under Swacchata Action Plan (SAP) of Non Lapsable Central Pool of Resources (NLCPR) for which the UD&HD now seeks applications for pre-qualification from eligible entities.

8.1 Background and operational plan of the Project

The management of solid waste in Shipsu is a major concern. Everyday products and their quantities are increasing on day to day basis, given the exponential growth of the population. The growing populations constitute waste, beyond the physical and visual pollution, which is a major public health problem. Indeed, the creation of uncontrolled dumps contributes to the proliferation of certain epidemiological diseases and contamination of the water table. Gyalshing, the West district headquarter, has recorded a significant population growth over the years. This demographic and economic growth resulted in proportional increase in the production of waste. This situation did not remain without consequences of the degradation of the environmental and living conditions of the population. The proliferation of wild dumps and significant presence of plastic bags throughout the city are visual indicators, showing regression of the sanitation situation in the city. The importance placed on the management of solid waste in the Shipsu primarily by constructing a sanitary landfill is an initiative aimed at enhancing the cleanliness and safety of the city. Further, proper planning keeping in mind, the operational aspects and to ensure efficiency of the system, a new system of waste management needs to be implemented considering successful experiences in the management of solid waste, and the choice of the segment with empowering at each level will ensure achieving cleanliness and health safety in Shipsu. The municipal solid waste (MSW) cum Landfill project at Shipsu to be implemented for Jorethang town and surrounding areas covers the following aspects:

- Primary collection of waste
- Secondary Collection of waste
- Transportation and Disposal of waste to the designated landfill site

Construction of Landfill

Information and Education Campaign.

However, to support this strategy concrete measure must be taken at each link in the chain to strengthen them so that the entire value chain of waste management system remains intact and effective.

Synthesis of the current municipal solid waste management problems at Shipsu reveals difficulties at four major stages of the chain.

At the pre- collection level

At the collection and transportation of waste at discharge / disposal of waste

At the municipal management level

The current project aims to address the challenges faced at discharge /disposal of waste. All other challenges shall also be dealt with in a planned manner by the Jorethang Nagar Panchayat (JNP) & Gyalshing Nagar Panchayat (GNP) by upgrading all other aspects by addressing the key issues as mentioned above.

8.2 Project brief:

Regional facility for Solid Waste Treatment and Disposal Project at Shipstu to cater to South & West Sikkim in Sikkim has been funded under Swachhata Action Plan (SAP) of Non Lapsable Central Pool of Resources (NLCPR) Scheme for Development of North Eastern Region during the financial year 2017-18. With growing population and increasing waste generation, ULBs in Sikkim today are facing challenges in handling and disposal of municipal solid waste viz. lack of public awareness for waste segregation, poor collection efficiency, lack of adequate financial and human resources. Non availability of landfill site has lead to crude open dumping method posing threat to environment and public health.

The towns falling under south Sikkim district and West Sikkim District are mostly located in hilly terrain ,less populated, no land for housing independent facilities, lack of qualified human recourses for operation and maintenance, etc,. To overcome these constraints, a regional facility for Solid Waste Treatment and Disposal facility for group of towns namely Jorethang, Gyalshing, Namchi and enrooted Bazaars, etc. are proposed at Shipsu near Jorethang. Collection and transportation plan and its infrastructure requirements are detailed out in a separate DPR for these towns. This DPR deals with the waste processing and disposal component with design details for a regional Facility at Shipchu. The proposed Treatment & disposal facility at Shipsu shall be a Regional facility catering for the waste generation from urban centres and enrooted bazaars falling under South Sikkim District and West Sikkim District. The existing SWM infrastructure at Jorethang Nagar Panchayat (NJMC) includes 04 numbers of community bins. The waste collection frequency is every alternate day's collection. Presently, the JNMC vehicle is used for collecting the garbage generated within the NJMC area. The existing vehicle of the JNMC makes one trip a day by travelling about 6 kms per day and collects garbage and disposes it off at Shipchu which is about 40 kms from the Gezing Town and rest Kaluk, Dentam.Pelling West Sikkim and Namchi, Ravangla and Damthang South Sikkim.

Now, a proper and regional sanitary landfill facility at Shipsu, West Sikkim is proposed to be constructed. The proposed landfill site is located at a distance of about 6 kms from Jorethang towards Daramdin at West Sikkim. At an elevation of 379 meters above MSL, the proposed landfill site is an old muck dumping yard used by NJMC & GMC at (Valley side). Presently, there is no treatment of waste and mixed waste is being dumped in the dumping ground at Shipsu. The present practice of disposal is unscientific, unhealthy and environmentally unsafe.

9.0 Scope of works:

The construction work comprises of following components:

1. Construction of RCC retaining wall for Landfill. (the landfill is a sloping terrain)
2. Landfill clay liner and HDPE liner system. (As per Solid Waste Management Rules, 2016 of MoEF)
3. Leach ate treatment plant.
4. Toilet block for ladies & gents.
5. Fire fighting equipments.
6. Chain-link fencing.
7. Construction of 500 metres of approach road on sloping terrain and storm water drain all round.
8. Electrical works.
9. Personal protective equipments.
10. Weigh bridge.
11. Water supply.
12. Green belt and monitoring well.
13. Bio gas.

Note: For the design of the Landfill and construction of allied structures, all necessary and required design data etc. can be obtained from the department.

10.0 Project completion schedule:

The project shall be completed within 18 months from the date of the work order or clear handover of the project site to the contractor, whichever is later. A Bar-Chart on PERT or CPM or both shall be drawn upon the issue of work order, showing the timeline for each activities to be strictly adhere to, for maintaining project completion schedule.

11.0 General conditions:

1. Tender is open only to the eligible bidders who fulfils the eligibility criteria and within the Jurisdiction of the State of Sikkim only.
2. Failure to provide essential information to justify the bidder's requirements or untimely supply of information may result disqualification of the applicant.
3. Each bidder shall submit only one bid for the project.
4. The bidders those qualified in the prequalification shall only be allowed to take part in the Technical Bid and the Financial Bid. The technically qualified bidders shall be issued with the Tender Form at the date and time mentioned in the Schedule of Time at Section 11.0 after the cost of the tender form is remitted and Bid Security deposited. Therefore,

The bidders are expected to examine carefully all instructions, conditions, technical guidelines provided in the Invitation of Expression of Interest. Failure to comply with the requirements sought therein shall be at the bidder's own risk. The bids which are not substantially responsive in fulfilling the requirements of the Invitation of Expression of Interest shall be rejected.

5. Before the deadline for submission of bids, the Employer may modify the EOI conditions or scope of work by issuing corrigendum online in the same official website, where EOI have been published.
6. Any corrigendum thus issued online shall be part of the terms of the DBT contract.
7. The offer shall remain valid for a period of 90 days. The work should commence within 15 days from the signing of the DBT agreement.
8. Security deposit shall be collected by deducting 5% of the value of work bill or on the accepted payment schedule from every running bills/payments of the contractor. This shall be refunded to the contractor after the defect liability period of 2 (two) years if no defects are found in the quality of the executed work.
9. The work value, scope and quantum of work are subject to change, the contractor shall execute the work as per the directives of the Employer. If the contractor is required to execute and additional quantum of work other than that entered in the original DBT contract, the additional payment shall be made as per the latest SPWD Schedule of rates with suitable escalation evaluated as per workability analysis.
10. The recoveries towards GST, CESS and Royalties of Forest Produces shall be as per rates notified by the Government from time to time and as applicable on the date of payment.
11. In case the man powers employed by the contractor are from outside the State or neighbouring countries, it shall be the responsibility of the bidder to get them registered with the Labour Department, Government of Sikkim as per the relevant Labour Laws.
12. Damages to properties in and around the work site must be avoided at all cost. The contractor shall be held responsible for any acts of negligence and shall be made to make good the damages.
13. It is accepted that the bidder have inspected the site before submitting his/her bid. There may be possible site difficulties for which the bidder should have their own correct assessment before submitting the bid.
14. The bidder will have to pay all taxes and duties as applicable and notified by the State/Central Government and no claim shall be entertained in this regard whatsoever.

15. Disqualification: Even though the bidder meets the qualification criteria, he/she is subject to be disqualified if they have made misleading or false representation in the form, statements and attachments or records of proof performances.
16. The department reserves the right to:
 - a) Amend the scope and value of any contract amount,
 - b) Reject or accept any bids,
 - c) Cancel the bidding process and reject/postpone the EOI.
17. The contractor should submit a work plan to complete the project within stipulated timeframe mentioned in the relevant section.
18. The contractor must have/hire the qualified consulting experts on civil works, sculpture design and manufacturing, Structural experts, landscape architecture and certified electrical experts soon after the award of work to execute.
19. The quoted rate shall be inclusive of GST and all the admissible taxes applicable at the time bidding.
20. The tender viz submission of technical and financial bids shall be done through **e-Tender mode**. Further, only contractors having valid/registered DSC cards shall participate for prequalification. They shall submit an affidavit stating that they have such DSC cards duly indicating user ID/email.

12.0 TENDER SCHEDULE

Sl. No.	Particulars	Date	Time
1	Pre-bid meeting & clarification (if any)	15 th May, 2018	At 1300 hrs
2	Submission of Expression of Interest along with requisite documents for pre-qualification as per the eligibility criteria & proof of additional mandatory requirements.	On or before 22 nd May, 2018	Upto 1600 hrs.
3	Evaluation of documents for pre-qualification	26 th May, 2018	Upto 1600 hrs.
4	Intimation to qualified bidders or disqualified bidders.	28 th May, 2018	Upto 1600 hrs.
5	Date of submission of Challan for purchase of Tender Form & submission of Bid Security by the technically qualified bidders.	30 th May, 2018	Upto 1600 hrs.

6	Date & time for Technical Bid (competitive presentation of concept design) & submission of Financial Bid.	1 st June 2018	Upto 1600 hrs.
		2nd June 2018	Upto 1200 hrs
7	Evaluation of Technical Bid & Financial Bid.	2nd June, 2018	Upto 1600 hrs.
8	Declaration of results	3 rd to 4 th June, 2018	By 1400 hrs.

Sd/-
Principal Chief Engineer
Urban Development & Housing Department
Government of Sikkim, Gangtok

Sl.No	Item of Work	Approved cost	Admissible Grant (90% of approve cost)
A	Compost Plant		
01	Construction of PEB Structure for Mechanical Window Compost Plant	307.60	276.84
02	Mechanical compost Plant – 50 TPD capacity	175.30	157.77
	Sub Total (A)	482.90	434.61
B	Landfill Facility		
3	Construction of RCC Retaining Wall for Landfill	326.20	293.58
4	Landfill clay liner and HDPE liner system	43.30	38.97
5	Leach ate Treatment Plant	142.40	128.16
6	Toilet Block for Ladies & Gents	16.00	14.4
7	Fire fighting Equipments	1.90	1.71
8	Chain link Fencing	14.10	21.69
9	Strom Water Drain	16.60	14.94
10	Vehicle & Equipment for Landfill Operation	25.90	23.31
11	Electrical Works	25.00	22.5
12	Personal protective equipments	0.90	0.81
	Sub Total (B)	612.30	551.07
C	Miscellaneous		
	Weigh Bridge	13.70	12.33
	Water supply	3.50	3.15
	Green Bent, monitoring well	2.0	1.8
	Sub Total (C)	19.20	17.28
	Grant Total	1114.40	1002.96