

Expression of Interest
for Empanelment of EPC
Contractors for Setting up a
Captive Type Biomedical
waste Treatment and Disposal
Facility at Government
Medical College - Kottayam
(16th September 2020)



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HITES

I. Invitation of Expression of Interest (EOI) for Empanelment of EPC Contractors for Setting up a Captive Type Biomedical waste Treatment and Disposal Facility at Government Medical College - Kottayam

Infrastructure Development Division of HITES (a fully owned subsidiary of HLL Lifecare Ltd) Invites EOI from EPC Contractors for Setting up a Captive Type Biomedical waste Treatment and Disposal Facility at Government Medical College - Kottayam.

The proposals duly completed as per prescribed format along with processing Charges must reach on or before **30.09.2020 at 3.00 pm** in the office of HITES at Thiruvananthapuram. The opening will be on **01.10.2020 at 3.30PM** in the office of HITES at Thiruvananthapuram.

The detailed EOI with Annexure may be obtained from website www.hllhites.com

CHIEF ENGINEER(DSIGN)

HITES, RO(Trivandrum)

II. INTRODUCTION/ BACKGROUND

HITES

HITES is a fully owned subsidiary of HLL Lifecare Limited (HLL), a Mini Ratna Central Public Sector Enterprise, under the administrative control of Ministry of Health & Family Welfare, Government of India. HLL is a multi-product, multi-division organization with a wide range of healthcare products and services, with presence in more than 115 countries. HLL's purpose of business is providing quality healthcare products and services at affordable prices. HLL's range of services includes Infrastructure Development, Procurement Consultancy, Diagnostics Service and Facility Management. HLL is positioned as a total healthcare solution provider which caters to a well-being of the society at large.

HITES is committed to:

- (a) Provide comprehensive consultancy services in healthcare sector
- (b) Setting up world class healthcare facilities by providing innovative solutions to infrastructure development.
- (c) Maintaining high quality standards and performance
- (d) Providing state-of-the-art healthcare facilities

HITES is a premier consultancy organization engaged in the development of several Healthcare Infrastructure projects in the Country. Infrastructure Development division (IDD) provides comprehensive consultancy services in the Infrastructure Development sector. IDD has executed Infrastructure Development projects including Design, Engineering and Civil works as Project Management Consultants /EPC Developer and Construction Agency to the Government of India (mainly Ministry of Health & Family Welfare), State Governments, other Govt. agencies such as ESIC (under Ministry of Labour), NHM (under various state Govts.), NACO, IPC, IMPCL. IDD mostly undertakes Institutional & Healthcare Infrastructure Development Projects. HITES's expertise and experience in providing comprehensive solution to all healthcare related infrastructure initiatives make it a leader in this field.

III. Empanelment of EPC Contractors for Setting up a Captive Type Biomedical waste Treatment and Disposal Facility

HITES invites Expression of Interest for Empanelment of EPC Contractors for Setting up a Captive Type Biomedical waste Treatment and Disposal Facility at Government Medical College - Kottayam.

A non refundable processing fee of Rs.1,770/- (Rupees One Thousand Seven Hundred and Seventy only) including GST should be enclosed with all applications by DD, in favour of HLL Infra Tech Services Ltd payable at Thiruvananthapuram. Applications not accompanied with processing fees, shall summarily be rejected.

* For MSME registered bidders, the proof of registration shall be attached. The tender documents will be free of cost for them.

IV. PROJECT CONCEPT & STRUCTURE

Medical care is vital for our life, health and well being and there has been phenomenal increase in the healthcare facilities (for humans and animals) in India. The scientific management of the Biomedical Waste (BMW) generated from the hospitals and allied sectors are unavoidable for ensuring quality health care facilities in our country. The Biomedical waste means any waste, which is generated during the diagnosis, treatment or immunization of human beings or animals or research activities pertaining thereto or in the production or testing of biological or in health camps, etc. It must be properly managed to avoid the harm for the general public, specifically healthcare and sanitation workers who are continuously uncovered to biomedical waste as an occupational hazard. Appropriate handling, treatment and disposal of wastes are essential elements of health care management programme. Correct method helps protect health care personnel, patients and the local society. Studies conducted in many parts of the World reveals that the quantity of BMW is reaching to alarming proportions. Many developed countries across the world are trying to establish tools so as to address BMW being generated in these countries. BMW is potentially hazardous to environment and human health, if not handled in an environmentally sound manner. The hazardous and toxic parts of waste from health care establishments comprising infectious, biomedical and radio-active material as well as sharps (hypodermic needles, knives, scalpels etc) constitute a

grave risk, if these are not properly treated / disposed or are allowed to get mixed with other municipal waste. These medical waste are mounting problems faced by the society due to exposure to untreated disposal of Biomedical wastes from a large number of health centers. Biomedical waste Treatment and Disposal Facility shall be provided in order to reduce the harmful effects of Bio-medical Waste.

For the importance of providing Biomedical treatment and disposal facilities an action has been initiated for establishing stand alone biomedical treatment and disposal facilities in Kottayam, Thrissur & Kannur Medical colleges in Kerala. As an initial proposal, one model, Common Biomedical Waste Treatment & Disposal Facility (CBWTDF) will be establishing at Kottayam Medical College catering for 5000 bed covering taluk hospitals, district hospitals , PHCs, and CHCs in Kottayam district. The plant is to be operated and maintained by experienced service provider including collection of Biomedical Waste from other nearby Government hospitals for a period of at least 10 years.

V. Scope & Eligibility

a. Scope of work

- Design, supply, installation, testing, commissioning, operations and maintenance in Solid Waste Management (General & Biomedical) and Liquid Waste Management system at Government Medical College, Kottayam.
- Preparation and submission of a Preliminary Project Report including budgetary estimate after evaluating the required capacities of the project.
- Preparation and submission of the project estimate.
- The exclusions and inclusions must be mentioned.
- The project shall be covering Solid Waste Management (General & Biomedical) and Liquid waste for Kottayam Medical college campus after studying the existing facilities in the campus and feasible proposal to be provided.

Biomedical waste treatment and Disposal:

- To Establish one Model Captive Biomedical Waste Treatment & Disposal Facility (CBWTDF) at Kottayam Medical College Campus catering the need of 5000 beds (phase 1)

+ 5000 beds(phase 2) covering Medical College, Taluk hospital, district hospital , PHCs, and CHCs in the district

- **The proposal should include Comprehensive design, construction, operation and maintenance of the plant for 10 years. O& M for another 5 years must be added mentioning year wise cost.**

- Design of the CBWTDF layout includes the following facilities, but not limited to;
 - Incinerator Plant Buildings
 - Autoclave Plant Building
 - Shredder Room
 - Testing Laboratory
 - Discarded Medicine Shed
 - Sorting Shed
 - Scrap Storage Shed
 - Ash Storage Shed
 - Effluent Treatment Building
 - Bottle Processing Unit
 - Loading / Unloading Platforms
 - Segregation area for facilities
 - Office Buildings
 - Security and Office
 - Staff Rest Area
 - Vehicles parking and washing area
 - Approach & associated circulation roads; external lightening
 - Cloak Room
 - Green belt zone
 - High boundary wall and guarded gate

Other Solid waste treatment & Disposal:

- Aerobic (Thumburmuzhy) Compost Unit / BIOBIN / Organic Waste Converter (OWC) may be proposed for Solid waste based on gap analysis conducted on existing facility.
- Augmentation of existing Biogas plant and Material Collection Facility for non degradable waste should be considered.

Proposal for ETP:

The effluent water from laundry and central lab has to be treated within the medical college campus. A separate ETP should be set up for this purpose within the Medical College.

b. Eligibility Criteria

- The Bidder should have completed at least 1 similar work comprising of design, construction, installation and operation of biomedical waste treatment and disposal, specified minimum criteria shall be eligible to apply.
- There should be an expert/ Professional in the firm with five years experience in similar works having Bio medical/ Chemical / Environmental Engineering Graduation or similar qualification. The proof of Qualification and Experience should be enclosed along with EOI (Applicable for Firm).
- Details of Technical Manpower must be furnished. Should have experts such as

Coordinators

Branch in charges

Customer support executives

Plant Supervisors

Truck Supervisors

Pickers

Drivers

Plant Laborers

Plant in charge

Plant Manager

Plant Clerk

Office Staff

Manager Cadre Staff

Scrap dealing staff

Administrative staff

- The Bidder shall present the proposal before the technical committee of HITES by video conference or equivalent means. The date will be intimated later.

a. Technical Expertise for projects

Sl No.	Position	No of staffs (Minimum)	No. of years of experience (Minimum)	Qualification	Specific Expertise
1	Coordinators	1 No	2 Years	Chemical / Environmental Engineering Graduation or similar qualification	<ul style="list-style-type: none"> Experience in the field of Design, supply, installation, testing, commissioning, operations and maintenance in Solid Waste Management and Liquid Waste Management system as per Hazardous Waste Management Rules/ Environment protection act.
2	Branch in charges	1 No	2 Years	MBA/Any Post graduation	
3	Customer support executives	1 No	1 Year	Any Bachelor's degree	
4	Plant Supervisors	2 Nos	1 Year	Any Engineering Degree	
5	Truck Supervisors	2 Nos	2 Years	-	
6	Pickers	4 Nos	2 Years	-	
7	Drivers	4 Nos	2 Years	-	
8	Plant Laborers	4 Nos	2 Years	-	
9	Plant in charge	2 Nos	2 Years	-	
10	Plant Manager	1 No	2 Years	-	
11	Plant Clerk	1 No	2 Years	-	
12	Office Staff	2 Nos	2 Years	-	
13	Manager Cadre Staff	1 No	2 Years	-	
14	Scarp dealing staff	1 No	2 Years	-	
15	Administrative staff	2 Nos	2 Years	-	

B. Commercial Expertise

No. of Projects / Works during last Seven years	Annual Minimum Average Turnover for Past three years ending March 2019(not applicable for individual consultants)
<p>The Bidder should have completed at least 1 similar work comprising of design, construction, installation and operation of biomedical waste treatment and disposal, catering for 5000 bed capacity.</p> <p style="text-align: center;">OR</p> <p>The Bidder should have completed at least 2 similar works comprising of design, construction, installation and operation of biomedical waste treatment and disposal, catering for 2000-3000 bed capacity.</p> <p style="text-align: center;">OR</p> <p>The Bidder should have completed at least 3 similar works comprising of design, construction, installation and operation of biomedical waste treatment and disposal, catering for 1000-2000 bed capacity.</p>	20 Lakhs

1. The empanelment shall be valid for a period of 3 (three) years. The panel may be curtailed/ extended further at the discretion of HITES.
2. The firm should have an office in Kerala. HITES technical personnel may visit the office, if required, during evaluation of this EOI.
3. The Empanelment is for the projects in National level.
4. The Registration details of the firm should be submitted.
5. The firm should have GST Registration wherever applicable as per rules and a copy of the same shall be submitted.
6. Sub-consulting the works awarded by HITES is not permitted.
7. The Application should be on the prescribed form. All Annexure duly completed should be submitted. **The Annual turnover of the firm by way of similar works** (similar works comprising of design, construction, installation and operation of biomedical waste treatment and disposal) for the last three years, **duly audited by a Chartered Accountant, should be submitted.** Certified copies of Award letters, completion certificates etc should be enclosed.
8. Summary of regular/permanent professional employees and key Personnel including the nature of specialization, qualifications and experience should be enclosed along with certificates.
9. Applicants should give an undertaking certifying that the firm has not been blacklisted by any Govt./ Local bodies/PSUs.

VI. Instructions & Guidelines for Submission of Application Form

1. Empanelment documents shall be downloaded from our website at www.hllhites.com.
2. Application form for empanelment shall be submitted in sealed envelope super scribing “**Application for EPC Contractors for Setting up a Captive Type Biomedical waste Treatment and Disposal Facility at Government Medical College - Kottayam**”), on or before 30.09.2020 at 3.00 pm in the office of CE (Design), Infrastructure Development Division, Golden Jubilee block, HITES, Poojappura, Thiruvananthapuram -695012.
3. The application shall be submitted only as per the enclosed format (s) along with Annexure I to IX, Self-attested documentary proof(s) in respect of the details furnished in the application form shall be submitted along with the application. The intending applicants shall also submit the list of such projects where due to any disputes litigation/ arbitration was invoked and/ or the contractor services were abandoned/ suspended by the contractor(s). Suppression of any information in this regard may lead to cancellation of empanelment of the Firm/ Contractor(s) concerned, if such information comes to the notice of HITES after empanelment. Incomplete applications will be summarily rejected.
4. The application shall be signed by the Director of the firm or official who has Power of Attorney. All pages of the documents shall be signed/ sealed. ALL PAGES OF EOI DOCUMENT SHALL ALSO BE SIGNED AS A TOKEN OF ACCEPTANCE OF THE CONDITIONS.

VII. Conflict of Interest

1. HITES requires that contractors should provide professional, objective and impartial advice and at all times hold the client’s interest paramount, strictly avoid conflicts with other Assignment/ jobs or their own corporate interests and act without any consideration for future work. The contractors and any of their affiliates shall be considered to have a conflict of interest and shall not be hired under any of the circumstances given below:
 - a. Conflicting activities or assignment i.e. providing goods or works or assignment other than consulting assignment.
 - b. Conflicting relationship i.e. business/relationship with a member of client’s staff involved in the job.

- c. The consultants shall be required to observe the highest standard of ethics during rendering of professional services.
- 2. Empanelled contractors would be entitled to tender for ‘Setting up a Captive Type Biomedical waste Treatment and Disposal Facility at Government Medical College – Kottayam’ in HITES and work shall be awarded to successful tenderers on General Terms and Conditions of the bid.
- 3. Last date of submission of completed Application form is 01.10.2020 upto 15.30 hours
- 4. Incomplete Applications will be summarily rejected. HITES reserves the right to accept or reject any application without assigning any reason.

VIII. Evaluation Criteria

- 1. The applications submitted by the firms qualifying the initial criteria shall be evaluated by scoring method as detailed below:
 - a. Technical Staff Strength (Annexure-I, II&VII) : 20Marks
 - b. Financial turnover(Annexure-VI) : 20Marks
 - c. Operation & Maintenance of work(Annexure-V) : 20Marks
 - d. Experience of work during last seven years : 40Marks
(Annexure-III& IV)

Total : 100Marks
- 2. The marks shall be decided by a duly constituted Committee on the basis of predetermined criteria and where it is not possible to do so, based on their own judgement. The Evaluation carried out by the said Committee shall be final and binding.
- 3. Submission of satisfactory completion certificate from previous clients (preferably from the latest major work) specifying the compliance to time of completion, the precision of the work and response towards sorting of issues during execution of work is essential. Bidders are requested to submit such certificate in their own interest, if possible.
- 4. HITES reserves the right to modify the criteria and take own decision if so required.
- 5. Only those firms who secure a minimum of 50% marks in each criteria of Evaluation Criteria and secure overall score of 70% shall be empanelled. However, the parameters shall carry weightage as per Evaluation Criteria above.

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IX. APPLICATION FORM FOR EMPANELMENT
INFORMATION TO BE FURNISHED BY THE APPLICANTS

Empanelment of		
Sl.No	Particulars	Details
1.	Name of Organization	
2.	Address	
	Mobile No.	
	Telephone No.	
	Fax No.	
	E-mail ID	
3.	Organization Details	To be filled as per Annexure-I
4.	Details of Directors/ Partners/ Proprietors	To be filled as per Annexure-II
5.	List of Biomedical waste Treatment and Disposal Facility Work completed during last 7 years	To be filled as per Annexure-III
6.	List of Biomedical waste Treatment and Disposal Facility Work in progress	To be filled as per Annexure-IV
7.	List of Operation & Maintenance(O & M) projects in progress	To be filled as per Annexure-V
8.	Financial Status	To be filled as per Annexure-VI
9.	List of permanent professional Employees and Key Personnel mentioning their specialization, qualifications, experience and association with the firm	Self-certified copies to be enclosed
10.	List of Staff employed by the firm	To be filled as per Annexure-VII
11.	List of equipments available with the firm	To be filled as per Annexure-VIII
12.	Affidavit	To be filled as per Annexure-IX

Annexure- I

ORGANIZATIONAL DETAILS

Sl.No.	Parameter	Details
1.	Organizational Set-up: <ul style="list-style-type: none">- Year of Establishment- Status of Firm (Proprietorship/ Partnership/ Any other)- Name of Directors/Partners/Proprietors- Empanelment with Govt. Organizations- (Mention names along with copies of Certificates)	To be filled as per Annexure-II
2.	Total Staff Strength	
3.	Details of Office Automation	

Signature of the applicant
Name & Designation

Place:

Date:

Annexure-II

DETAILS OF DIRECTORS/ PARTNERS/PROPRIETORS

Sl.No.	Name of Partners/ Directors/ Proprietors	Academic Qualification	Designation	Address/ Phone/Fax /e-mail

Signature of the applicant
Name & Designation

Place:

Date:

**LIST OF BIOMEDICAL WASTE TREATMENT
AND DISPOSAL FACILITY WORKS
COMPLETED IN LAST 7 YEARS**

Sl. No	Name of Work / Project with address	Short Description of Biomedical Waste Treatment And Disposal Facility assignment	Name and address of Owner / Client	Value of Work/ Project	Value of Consultancy	Date of Start of Work/ Project		Date of Completion of Work/		Bonus/ Liquidated Damages if any imposed on consultant	Agreement details with copy attached.
						Stipulated	Actual	Stipulated	Actual		

Note:
The list of Works/Project mentioned should be substantiated with documentary evidence such as work orders and completion certificates in the absence of which the application is liable to be rejected.

Minimum number of projects available as per eligibility criteria will fetch 50% marks. The marks will vary prorate.

Signature of the applicant

Annexure-IV

LIST OF MAJOR BIOMEDICAL WASTE TREATMENT AND DISPOSAL FACILITY /PROJECTS /ASSIGNMENTS IN PROGRESS

Sl. No	Name of Work/Project in Progress with Address	Short Description of Biomedical Waste Treatment And Disposal Facility assignment	Name and address of Owner	Value of Work/Project executed	Value of Consultancy	Date of Start of Work/Project	Stipulated Time of Completion	Status of work	Expected Date of completion	Any other relevant information

Note:

The list of Works/Project mentioned should be substantiated with documentary evidence such as work orders etc. in the absence of which the application is liable to be rejected.

Signature of the applicant

Annexure-V

LIST OF OPERATION AND MAINTENANCE (O & M) PROJECTS IN PROGRESS

Sl. No	Name of Work/ Project in Progress with Address	Name and address of Owner	Value of Work/ Project executed	Total Years of Operation & Maintenance

Note 1:

The list of Works/Project mentioned should be substantiated with documentary evidence such as O & M certificate from Client, in the absence of which the application is liable to be rejected.

Note 2:

Minimum number (1 No) available as per eligibility criteria will fetch 50% marks. The marks will vary prorata

Signature of the applicant

Annexure-VI

FINANCIAL STATUS

Sl.No.	Financial year	Turnover (in Rs. Lakhs) from Consultancy
1.	2016- 2017	
2.	2017-2018	
3.	2018-2019	

Note:

Certified copies of Chartered Accountants Certificates to be enclosed.

Place:

Date:

NOTE

Minimum average annual turnover is Rs. 20 Lakhs. Minimum average annual turnover should not be less than that mentioned in Eligibility criteria for 50% marks. Twice the value or more will fetch 100% marks and the marks for lower values will be reduced prorata linearly.

Annexure-VII

Details of Technical Staff available with the firm

Sl No.	Designation	No. of years of experience	Qualification	Specific Expertise
1	Coordinators			
2	Branch in charges			
3	Customer support executives			
4	Plant Supervisors			
5	Truck Supervisors			
6	Pickers			
7	Drivers			
8	Plant Laborers			
9	Plant in charge			
10	Plant Manager			
11	Plant Clerk			
12	Office Staff			
13	Manager Cadre Staff			
14	Scarp dealing staff			
15	Administrative staff			

Place: Date:

Minimum number available as per eligibility criteria will fetch 50% marks. The marks will vary prorate.

Signature of the applicant
Name & Designation

Annexure-VIII

LIST OF EQUIPMENTS AVAILABLE WITH THE FIRM

S.No.	Nameof Equipment	Type	Nos.
1			
2			

Signature of the applicant
Name & Designation

Place:
Date:

AFFIDAVIT

(TO BE SUBMITTED ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE DULY CERTIFIED BY NOTARY PUBLIC)

Affidavit of Mr..... S/o R/o

The deponent above named to hereby solemnly affirm and declare asunder:

1. That I am the Proprietor/Authorized signatory of M/s.....having its Head Office/ Regd. Office at.....
2. That the information /documents/ Experience certificate submitted by M/s..... along with this “Empanelment of EPC Contractors for Setting up a Captive Type Biomedical waste Treatment and Disposal Facility at Government Medical College - Kottayam” to HITES are genuine and nothing has been concealed.
3. I shall have no objection in case HITES verifies them from issuing authority (ies). I shall also have no objection in providing the original copy of the document(s), in case HITES demands for verification.
4. I hereby confirm that in case, any document, information &/or certificate submitted by me found to be incorrect/false/ fabricated, HITES at its discretion may disqualify/reject my application for pre-qualification out rightly and also debar me/ M/s from participating in any future tenders/PQ.

Deponent

I,....., the Proprietor/ Authorized signatory of M/s.....,do herby confirm that the contents of the above Affidavit are true to the best of my knowledge and nothing has been concealed there from and that no part of it is false.

Verified at.....this.....day of.....

Deponent