

# **Expression of Interest (EOI)**

**for**

**Transfer of Knowhow**

**of**

**RENEU - In-Situ Treatment of Nallahs Carrying  
Domestic Wastewater**



**CSIR-National Environmental Engineering  
Research Institute, Nehru Marg, Nagpur - 440 020**

## **EOI for Transfer of Knowhow of 'RENEU - In-Situ Treatment of Nallahs Carrying Domestic Wastewater' of CSIR-NEERI**

CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur is dedicated to research and innovations in environmental science and engineering, besides providing solutions to a range of problems posed by industry, government, and society. Over the years, the Institute has developed excellence and expertise and global recognition in emerging areas of environmental science and engineering.

CSIR-NEERI has developed a technology for in-situ treatment of nallahs carrying domestic wastewater, entitled **RENEU (RE**storation of Nallah with **E**cological **U**nits), and wishes to invite Expression of Interest to issue a limited exclusive license for a period of five years to replicate this throughout the country. The selection will be done in two steps (i) Technical shortlisting and (ii) Financial shortlisting.

Interested parties may submit the application proforma and list of documents (may be downloaded from our website, [www.neeri.res.in](http://www.neeri.res.in)) with additional information on company profile, registration details, MSME registration certificate/Start-up registration certificate, financial audited statements for last three years, list of on-going and completed projects to CSIR-NEERI for shortlisting the firms for issue of license.

Qualification Criteria:

- The firm should have carried out work for sewage treatment through biological and physicochemical methods
- The firm should license/tie up/collaboration with institutes like IITs, CSIR and Govt. Institutes, for technologies in the field of wastewater/ sewage treatment systems
- Preference will be given to firms having designed nallah cleaning system and have work experience in in-situ treatment and turnover is more than 50 lakhs per year in last 3 years or 2 crores in any one year in last 3 years.

The firms fulfilling the above criteria may submit their EoI for this knowhow transfer addressed to Director, CSIR-NEERI, Nehru Marg, Nagpur- 440 020, India in two sealed envelopes: i) Technical Documents, ii) Financial offer. The sealed envelopes are to be submitted to the following address:

**Scientist & Head**  
Business Development Group,  
CSIR-NEERI, Nehru Marg, Nagpur 440020.

Shortlisting of the firm shall be done through a committee constituted and it may derive additional parameters for shortlisting/presentation/discussion. Director NEERI reserves the full right to reject the EOI without assigning any reason. The decision of the Director, NEERI, Nagpur will be final and shall be binding.

**The last date for submission of EoI is July 08, 2019 till 5:00 PM.**

**Please refer the Detailed EOI document below for filling the Bids**

## **INSTRUCTION TO BIDDERS**

The Expression of Interest (EoI) are invited for the purpose of transfer of Know-how “***RENEU - In-Situ Treatment of Nallahs Carrying Domestic Wastewater***” to the organizations with relevant experience in the area of wastewater treatment.

The following are the instructions for the bidders:

1. The information of the Knowhow “RENEU - In-Situ Treatment of Nallahs Carrying Domestic Wastewater” is given in the Annexure-I.
2. The EoI shall be submitted in two bids i) Technical and ii) Financial. The firms which qualifies the Technical criteria will only be eligible for financial evaluations. The technically qualified bidders will be called for discussion, presentation and negotiations before Technology Transfer Committee for finalising the transfer of know-how.
3. The hard copies of technical and financial bids should be submitted in two separate sealed envelopes, one containing the **Technical bid (Annexure 2, 4, 5)** and the other containing the **Price bid (Annexure 3)**. The vendor should clearly mention ‘TECHNICAL BID’ and ‘PRICE BID’ on the envelopes. The bids should reach the following address on or before, **July 08, 2019 Till 5.00 PM:**

**To  
Scientist & Head  
Business Development Group  
CSIR- National Environmental Engineering research Institute,  
Nehru Marg, Nagpur -440 020**

4. The dates for the opening of the financial BIDS will be communicated later.
5. All the pages of the bid should be signed and numbered.
6. CSIR-NEERI may at its discretion extend this deadline for the submission of EOI.
7. To assist in the examination, evaluation and comparison of EOI, CSIR-NEERI at its discretion can ask the bidder for the clarification or submission of additional information/documents. However, post submission of clarification at the initiative of the bidder shall not be entertained. Authority reserves the right to visit the facilities of the bidders if required.

8. At any time before the submission of the bids against the EOI, the CSIR-NEERI may carry out amendments(s) to this EOI document and/ or the schedule. The amendment will be made available on the website [www.neeri.res.in](http://www.neeri.res.in) and will be binding on them.
9. The Authority reserves the right to accept or reject any application without assigning any reason thereof.
10. Bids that are incomplete in any respect or those that are not consistent with the requirements as specified in this document or those that do not adhere to formats, wherever specified may be considered non-responsive and may be liable for rejection and no further correspondences will be entertained with such bidders.
11. Canvassing in any form would disqualify the applicant.
12. The formats for the technical and price bids, vendor profile, submission format, and other details are available as enclosures with the advertised EOI and on the website [www.neeri.res.in](http://www.neeri.res.in)

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## Details of Technology

In-situ Drain treatment system developed by NEERI uses natural attenuation principle with engineered tools to treat sewage drain water as it flows in the nallahs. The treatment system is called RENEU (restoration of nallahs using ecological units) and will deal with the following points via a system designed by CSIR-NEERI:

1. Dealing with Floating garbage
2. Silt trap: Desilting
3. Suspended solids and floating matter in sewage
4. Biodegradation of organics in sewage by anoxic and aerobic methods.
5. Removal of excess nutrients using floating plants
6. Geo-Tank with defined matrix
7. Bacterial Load: A disinfection treatment at the end ensures minimal bacterial count in the outlet making the water safe for reuse



### Deliverables

- A holistic and sustainable nallah / drain cleaning methodology based on natural ecosystem
- Final treated water quality report: Treated water quality report containing parameters such as pH, BOD, COD, TSS, Phosphorous, Nitrate
- Outlet parameters will have:
- COD : Depending on the initial load, minimum 40% reduction of COD
- BOD : Reduction in 40% BOD from initial value or < 30 mg/L
- Operation and maintenance for one complete year after the completion of installation and execution

**Technical Bid**

<b>Sr. No.</b>	<b>Essential Qualification requirement</b>	<b>Details/Documents to be provided by bidder</b>
1	The firm should have carried out work for sewage treatment through biological and physicochemical methods	Details of work done in past 3 years. Copies of work orders , completion certificates etc.
2	The firm should have license/tie up/collaboration with institutes like IITs, CSIR and Govt. Institutes, for technologies in the field of wastewater/ sewage treatment systems	Details to be provided with supporting documents.
3	Experience related to designing nallah cleaning system and have work experience in in-situ wastewater treatment	Details to be provided with supporting documents.
4	The organization must be a reputed firm/company/SME/start-up/R&D company in area of Environmental Solutions especially in wastewater treatment incorporated in India at least for 3 years.	Details of Experience supporting documents. Company Profile.
5	List of Projects Handled 1. Completed 2. Ongoing	Table indicating the details
6	Turn over should be more than 50 lakhs per year in last 3 years or 2 crores in any one year in last 3 years	Documents 1. Financial Audited Statement last 3 years 2. Income Tax returns last 3 years
7	The staff strength of the company (Regular employees) including Technical and Non-Technical Staff	List of regular employees with qualifications, experience should be provided

9	One page write up on Marketing plan and estimated market potential of technology	
10	PAN No. GST No. Certificate of Incorporation	Copies to be attached
11	Registered office details Emails Name of the Directors/ partners	

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**Financial Bid**

<b>Sr. No.</b>	<b>Fees</b>	<b>Quote (Rs. In lakhs)</b>
1	<b>Lumpsum license fee (to be paid one time)</b>	
2	<b>Royalty per installation</b>	

**Terms and conditions:**

- Period of license is five years
- The license will be granted on the condition that the firm should execute minimum two installations per year otherwise the license will be cancelled.



### Application Form for Technology Transfer from NEERI

1.	Name of the Technology applied for	:
2.	Name of the party/legal entity with contact details	:
3.	Name of the applicant, nationality & contact details	:
4.	Details of Registration as an industry/legal entity (copy of certificate to be enclosed)	:
5.	Address of works & Registered office premises	:
6.	State full names and full addresses of persons having direct financial interest (applicable for proprietary and partnership firm)	:
7.	Details of the manufacturing experience, qualifications and experience of party and partners, if any, with details of the technical expertise available to show that the party can handle technical aspects of production, quality control and marketing (Use separate sheets)	:
8.	Financial background with latest copy of audited annual report attached	:
9.	Name and address of the Bankers	:
10.	Production capacity plan & space available for the proposed production work	:
11.	Marketing plan and estimated market potential	:
12.	Any other information to substantiate technical and financial competence of the party	:
13.	Details of past interaction / association with NEERI/CSIR or any Indian Organization	:
<p>(Separate sheets may be enclosed if the space provided is insufficient. Application with incorrect and incomplete information will not be considered)</p>		

I/We \_\_\_\_\_ request that  
 I/We may be considered for granting technical know-how for the production of  
 \_\_\_\_\_. I/We assure that all the  
 information provided by me/us on this form is true to best of my/our knowledge, and on  
 the basis of this information any decision taken by NEERI shall be accepted by me/us. I  
 / We also undertake to furnish any further information required in this connection.

Date:  Place:	Signature Name  & Office seal :
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**Note:**

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|  | <p>1. <b>Technology Transfer fee will be charged separately</b> to the <b>selected party</b> accepting the technology.<br/>         Technology transfer fee/royalty shall be drawn in favor of<br/>         “Director, NEERI, Nagpur” and must be sent to Scientist &amp;<br/>         Head, Business Development &amp; Technology Transfer<br/>         Division, NEERI, Nagpur-440020, India.</p> |
|  | <p>2. Please note that this is only an application processing fee and<br/>         does not confer any rights for Technology Transfer.</p>  |
|  | <p>3. Foreign applicants may please note that their application will<br/>         be considered subject to clearance from statutory bodies.</p>   |

**AFFIDAVIT**

(On 100 rupees stamp paper)

I, \_\_\_\_\_ Son of \_\_\_\_\_ Aged about \_\_\_\_\_ years, resident of \_\_\_\_\_ and \_\_\_\_\_ (Director/Partner/Proprietor) of \_\_\_\_\_ having Its Registered office at \_\_\_\_\_, do hereby solemnly affirm and declare as under:

1. We are not debarred or black listed by any of the Government Authorities / Government Organization / Public Sector Undertakings / Private Organizations for carrying out any of the assignments, tasks, works, projects etc.
2. We have not defaulted in repayment of any of the undisputed dues raised / taken by us from financial institution / Non-Banking Financial Company (NBFC's) and banking companies.
3. No case of the fraud has been lodged against us by any of the stakeholders including Government departments, banks and financial institutions or any other Person / Organization.
4. We have complied with all regulatory and statutory requirements applicable to our organization till \_\_\_\_\_
5. We will abide by all the rules, regulations and directions given by CSIR-NEERI or any of the departments in relation to the projects for which such license is being allotted.

That the contents of this affidavit are true to the best of my knowledge and belief, and nothing in material has been concealed in.

I also acknowledge that CSIR-NEERI has right to cancel all the licenses granted in relation to which this affidavit is executed, if any of the information, explanation provided to CSIR-NEERI seems untrue.

Date:-

Place:-