



**EXPRESSION OF INTEREST
FOR
100 KLD
Compact Packaged
Sewage Treatment Plant (STP).**

AT

**ISLAMIC UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

AWANTIPORA, J&K

Islamic University of Science and Technology (IUST) wants to turn its campus into an Eco-Smart Campus with Intelligent Management of Waste and waste water Sources.

For Management of Solid Waste and Waste Water / Sewage Disposal, IUST invites “Expression of Interest” (EOI) from reputed firms in Sewage Disposal Sector for “Setting up a 100 KLD (Kilo Litres Per Day) Compact Packaged Sewage Treatment Plant (STP).

The interested parties may submit their Expression of Interest to Design, Build/Installation, Commissioning, Operation & Maintenance (O&M FOR ONE YEAR). The proposal shall take care of waste Water/Sewage generated from Residential area of the University.

PROCESS DESIGN BASIS

THE SEWAGE TREATMENT PLANT TO BE DESIGNED ON THE FOLLOWING INLET PARAMETERS AND AS PER SCHEMATIC MENTIONED BELOW: -

PLANT CAPACITY: 100 KLD

INLET SEWAGE CHARACTERISTICS

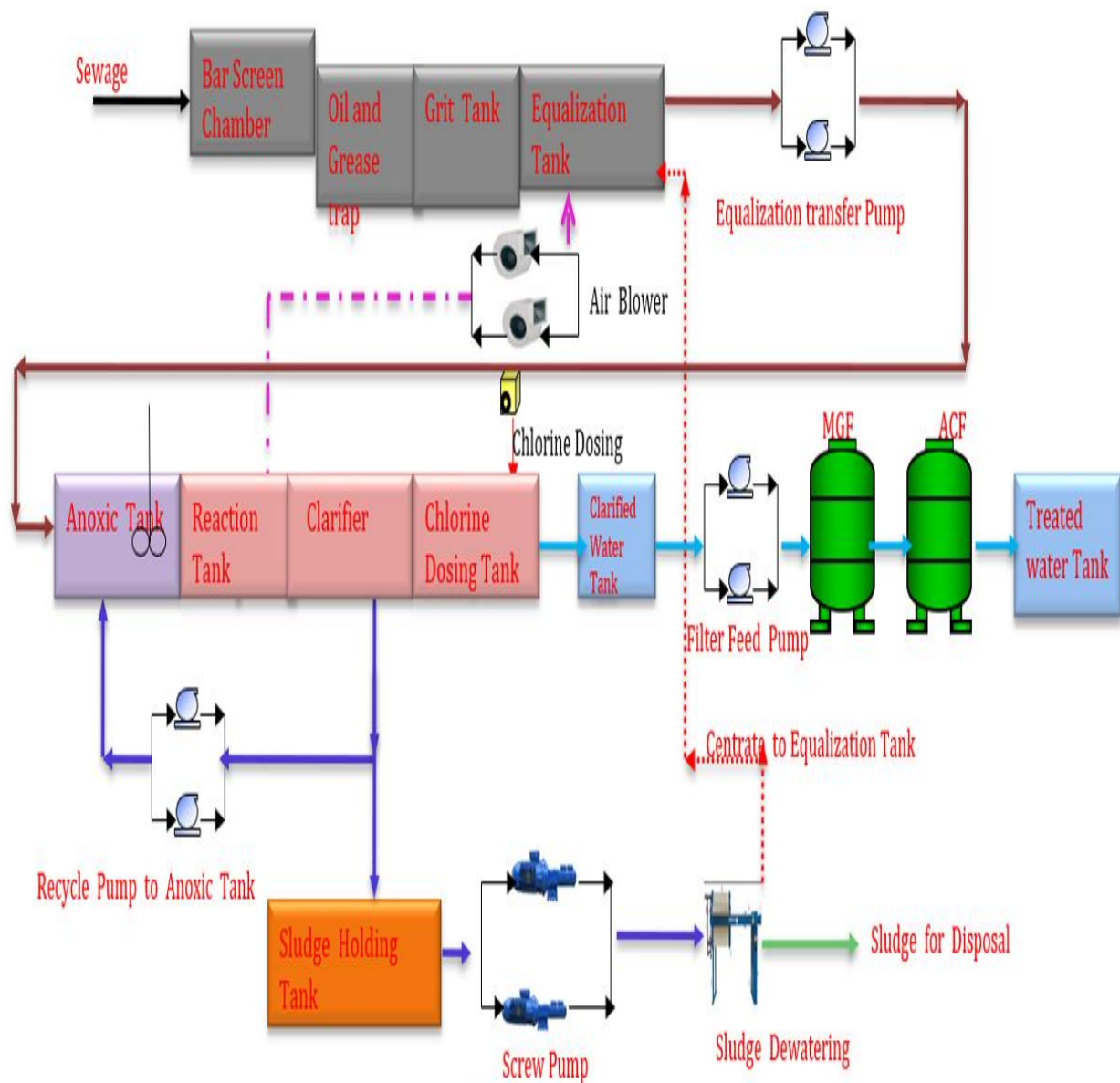
PH	6.5-8.0
BOD ₅ @ 20°C	300 ppm
COD (Cr)	500 ppm
TSS	<150 ppm
Inlet Temperature	27° C (Assumed) – Max.
O&G	< 20 mg/ litre
Fecal Coliform	10 ⁷ - 10 ⁸ MPN/ 100 ml
Total Kjeldahl Nitrogen	45 mg/lit

TREATED SEWAGE CHARACTERISTICS

PH	6.5 – 8.0
BOD ₅ @ 20°C	<10 mg / litre
COD	As arising
TSS	<10 mg / litre
Residual Chlorine	>1.0 mg/ litre
O&G	< 10 mg/ litre
Fecal Coliform	<1000 MPN/100 ml (After disinfection)
TN	< 10 mg/lit

ASSUMPTIONS, NOTES AND COMMENTS

1	No TDS removal is envisaged in S.T.P.
2	Invert level – Sewage shall be available for at inlet of Bar Screen through pump.
3	Sewage shall be treated on 24 hrs basis
4	The plant design need not to account for any toxic contamination from industries.
5	The plant shall function in aerobic condition only
6	Oil present if any shall be in free & floating form.



ELIGIBILITY

THE MANUFACTURER/SUPPLIER SHALL HAVE TO FULFIL ALL THE ELIGIBILITY CRITERIA MENTIONED BELOW

- The Methodology used should be of appropriate technology in an Eco-Friendly manner within the Govt. of India/Govt. of J&K Environmental Rules & Regulations which can be beneficially used in an Institution. Treated Effluent should confirm the established standards for flushing use in toilets and horticulture purpose.
- Interested firms shall submit hard copy of “Expression of Interest” along with a soft copy, in sealed envelope duly super-scripted “Expression of Interest for Setting up Sewage Treatment Plant (STP) at IUST” up to 3:00 PM by or before 07.04.2021. The short-listed companies/agencies have to give presentation on 12th April 2021 on/off line. The further shortlisted companies/agencies after the presentation shall have to submit their financial bid on the dates to be communicated separately.
- Only those firms who respond to this invitation for EOI and who are shortlisted will be considered for subsequent Request for Proposals/Tender Process. Decision of IUST in this regard shall be final.
- Detailed Proposal/Methodology for treatment of Waste water clearly describing the proposed treatment technology, processes, Operation and Maintenance regime and technical details on all major elements of the facilities. The proposal should be properly page numbered.
- Proposed business model for management of the facilities on sustainable basis.
- Company profile giving details of Organization set up mentioning whether proprietorship, partnership, private Limited or Public Limited and Staff strength.
- Particulars of similar works completed satisfactorily along with performance certificates issued by the client in the last Ten (10) years ending March, 2021 and those in hand, if any, in any Govt/Autonomous/Semi Govt institution
- All the completed projects should have been executed from the stage of conceptual planning to periodic inspection and completion
- IUST reserves the right to reject any or all EOIs without assigning any reason whatsoever.
- The manufacturer/supplier should submit proof of their registration along with company profile.
- The manufacturer/supplier should submit a copy of ITR for last five financial years.

- The manufacturer/supplier should submit the Turn Over Certificate attested by Registered Chartered Accountant.
- **DELIVERY (important): Within 8-10 weeks after Letter of Allotment of work from IUST.**
- WARRANTY: The plant supplied should remain under warranty for a period of 12 months from the date of commissioning.
- This notice may also be seen at website www.iust.ac.in
- All correspondence/enquires, if any, may be made at the following address:
Executive Engineer, Engineering Division,
One University Avenue, Islamic University of University of Technology,
Awantipora, Pulwama, Jammu & Kashmir.
+91-7889668828, 9419006043
e-mail: xen@islamicuniversity.edu.in