



File No- I T P 2020-21/ESI/Pur

## राष्ट्रीय शर्करा संस्थान

NATIONAL SUGAR INSTITUTE

आई एस ओ 9001 2015 प्रमाणित संस्थान

An ISO 9001 2015 Certified Institute

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय

Ministry of Consumer Affairs, Food & Public Distribution

खाद्य एवं सार्वजनिक वितरण विभाग

Department of Food & Public Distribution

भारत सरकार

Government of India

कल्यानपुर, कानपुर

Kalyanpur, Kanpur

Dated- 31.10.2023

### Tender Document

The Director, National Sugar Institute, Kanpur (NSI, Kanpur), on behalf of President of India, invites sealed Tenders from reputed Indian Manufactures/ Authorized Dealers /firms of the Central/ State Government Organization/ Autonomous Bodies/ Public Sector Units/ Private units having prior experience etc. and authorized dealers for operation & maintenance of Effluent Treatment Plant as per below description :-

Sl. No.	Description	Quantity Required	Tender Fees (in Rs.)	EMD (in Rs.)
1.	20 M <sup>3</sup> /day Effluent Treatment Plant (ETP)	01 no.	Rs. 1,000/- + 18% GST	5%

The tender document with complete details including technical specifications and other terms & conditions can be downloaded from the website [www.nsi.gov.in](http://www.nsi.gov.in) and/or e-procurement portal of the government <http://eprocure.gov.in/epublish/app>.

**Note: Tender Fees Rs 1,000/- + 18% GST has to be deposited through NTR Portal (Bharatkosh) and receipt of this must be submitted alongwith tender.**

Bids must be submitted as per last date on or before .11.2023 upto 13:00 hrs. Both, the Tender Fee (towards the cost of downloaded Tender document) and EMD are to be submitted with the bid. EMD is to be drawn in favour of "Director, National Sugar Institute, Kanpur" payable at the State Bank of India, Kalyanpur, Kanpur.

Both bids will be opened on the same day at 15:00 hrs onwards in the presence of the bidders.

Tenderer receipt without Tender Fees (Unless exempted) and EMD will be summarily rejected. Late and delayed tenders will be summarily rejected.

(Suneet Kapoor)  
Accounts cum Store Officer



### Technical Specifications for O & M 20 M<sup>3</sup>/day Effluent Treatment Plant (ETP) at NSI, Kanpur

The work under this contract shall comprise maintenance and operation of existing 20 M<sup>3</sup>/day Effluent Treatment Plant (ETP) at NSI Kanpur.

The characteristics of incoming effluent and treated outlet characteristics required to be achieved are given in table below. These have been used as design basis for developing the treatment scheme.

#### INLET EFFLUENT CHARACTERISTICS

Parameters	Unit of measurement	Value
Flow rate	M <sup>3</sup> /day	20
pH		5.5-7.5
Temperature	Degree Centigrade	Ambient
TSS	mg/ltr	100-150
TDS	mg/ltr	1200-1500
Oil & Grease	mg/ltr	30± 10%
COD	mg/ltr	1500-2000
BOD	mg/ltr	1000 ± 10%

#### TREATED WATER CHARACTERISTICS

Parameters	Unit of measurement	Value
Flow rate	M <sup>3</sup> /day	20
pH		6.5-8.5
Temperature	Degree Centigrade	Ambient
TSS	mg/ltr	<30
TDS	mg/ltr	<1500
Oil & Grease	mg/ltr	Nil
COD	mg/ltr	250
BOD	mg/ltr	<30

#### Note:

- Any other parameter not mentioned above is considered as BDL.
- Any change or variation in the inlet parameters of effluent shall have implications on the outlet quality and treated scheme.



### **Scope of Services and Terms & Conditions:**

1. Tenders are invited only from bonafide parties having prior 3 years' experience in the same trade in Govt./ Public Sector or reputed Private Sector Organizations.
2. Rate is to be quoted for monthly charges for operation & maintenance of 20 M<sup>3</sup>/day Effluent Treatment Plant (ETP, including round the clock services of the operator.
3. Rate of GST, if applicable, should be quoted separately in the tender.
4. The tender should remain valid for a period of 12 months from the date of award of contract, which depends upon satisfactory working of ETP.
5. The ETP should be operated and taken care properly to keep the same in satisfactory running condition at all times for operation of ETP.
6. The operator depected by the firm shall supervise the plant and for any requirement of maintenance upon his information, institute will arrange the needful.
7. The successful bidder should be able to provide to services within seven days after the award of contract.
8. Charges will be reimbursed on a monthly basis.
9. The successful bidder will have to deposit security money equal to one month charges, on award of contract in the form of F.D.R.

### **Submission of Bid:**

1. The offer along with a tender document fees of Rs.500/- + GST and an earnest money Rs. 20,000/- deposit as mentioned in the Tender Notice against 20 M<sup>3</sup>/day Effluent Treatment Plant (ETP) be submitted to Director, National Sugar Institute, Kanpur on or before 21 .11.2023.
2. The tender document fees of Rs.1,000/- in non-refundable. The earnest money deposit (EMD) will however be refunded to the unsuccessful bidder.
3. The offer should include all technical details.
4. Separate Demand Draft will have to be submitted for tender documents fees and earnest money deposits. These should be payable to Director, National Sugar Institute, Kanpur and drawn on any nationalized bank.
5. All the bidder are requested to submit their PAN, TAN, TIN and GST details.
6. The firm has to submit the affidavit for neither blacklisted by the Union/State Govt. Institutions/Bodies created by Central/State Govt., Public sector undertaking etc. Nor any partner/shareholder thereof is directly or indirectly connected with or has any subsisting interest in business of my/our/firm.
7. The Director, National Sugar Institute, Kanpur reserves the rights to reject any or all offers without assigning any reason.
8. The last date for the submission of tender shall be 21.11.2023 up to 01:00PM and technical bid shall be opened in the presence of the tenders at 03:30PM on same day.
9. Quoted rates should be valid up to one year.
10. In case, the party fails to provide the services within stipulated time, Institute, holds the right to forfeit the EMD deposited by the Tendered/Supplier.
11. Common Technical & financial bid to be submitted.
12. The technical bid and financial bid each is to be submitted in separate envelopes to be sealed and put in a main cover.
13. Both tender fees as well as EMD must be enclosed with the bid.
14. Operation and maintenance of 20 M<sup>3</sup>/day Effluent Treatment Plant (ETP) set should be done by trained ITI or equivalent and the vendor should submit the supporting document for the same.