



## PHASE-II

### TRAINING PROGRAMME ON ETP OPERATION & TECHNIQUES OF WATER/ EFFLUENT ANALYSIS

#### ABOUT

National Sugar Institute Kanpur is one of the premier institutes of the country and is engaged in providing technical manpower to sugar and alcohol industry since last 90 years. The Institute renders teaching & training in sugar technology, sugar engineering and alcohol technology and research work is also carried out in above disciplines including water conservation/waste water management, waste water treatment of distillery and sugar factory. The institute also provides technical advice and assistance to the sugar factories and distilleries with a view to improve their efficiency and to guide them in their day to day problems including those concerning environmental issues. Technical assistance is also provided to central and state government related to sugar and alcohol industries including effluent treatment.

#### OBJECTIVE

Sugar industry is one of the largest industries of the country with more than 530 sugar factories in operation in various parts of the country producing approximately 250-280 lakh tonnes of sugar every year and hence plays an important role in economical development in the country. However, sugar industry consumes lot of fresh water during sugar manufacture despite the fact that sugarcane contains more than 70% water which can be recycled back to the process. As per the norms, the generation of effluent has been limited to the order of 200 liter/ton of cane crushed. The effluent needs to be treated for its safe disposal on to land and /or water streams as per the prescribed norms.

Thus the operation and maintenance of ETP has become very essential and the sugar factory personnel are also needed to be trained properly for the proper operation of ETP. Similarly, the technical staff dealing with the ETP should also be well versed with the discharge norms & methods for effluent analysis for various parameters like COD, TDS, TSS, MLSS and pH etc. Keeping this in view a 5 days training programme is being organized by NSI, Kanpur from **September 18 to 22, 2017** for the technical personnel of the sugar industries, covering various aspects (theoretical and practical) of effluent management.

#### ORGANIZING COMMITTEE

**Advisor:**

Prof. Narendra Mohan

**Convener:**

J.P.Srivastava

**Coordinator:**

Dr. S. Kumar

**Co-Coordinator:**

Dr.(Mrs.) Alka Gupta

#### CONTACT US

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**Convener**

## DATE & VENUE

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- ◆ Date : 18<sup>th</sup> to 22<sup>nd</sup> September, 2017
- ◆ Venue : Seminar Hall and Physical Chemistry Laboratory, National Sugar Institute, Kanpur

## REGISTRATION FEE

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- ◆ Residential INR 10000/- Only
- ◆ Non-Residential INR 6000/- Only

Registration fee is to be sent to the coordinator through a Demand Draft/ Multi City Cheque in favor of “**Council of Students’ Activities, NSI, Kanpur**” payable at Kanpur, latest by 11.9.17. Last date for receipt of application form along with Demand Draft/MCC is 13.9.17. The registration form can be downloaded from [www.nsi.gov.in](http://www.nsi.gov.in) and after filling it may be sent to [nsikanpur@nic.in](mailto:nsikanpur@nic.in) or [skumar.nsil@gmail.com](mailto:skumar.nsil@gmail.com)

## WHO CAN ATTEND

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Quality Control Officers/ Analysts/ ETP Operators/ Chemists may attend the training programme.

**J.P. Srivastava**  
Convener



[nsikanpur@nic.in](mailto:nsikanpur@nic.in),



[@insi.education](https://twitter.com/insi.education)



0512-2573610



National Sugar Institute

**II PHASE**  
**of**  
**FIVE DAY TRAINING PROGRAMME ON**  
**ETP OPERATION & TECHNIQUES OF WASTE WATER/ EFFLUENT**  
**ANALYSIS**  
**NATIONAL SUGAR INSTITUTE, KANPUR**  
**18<sup>TH</sup> – 22<sup>ND</sup> SEPTEMBER 2017**  
**REGISTRATION FORM**

**(Please mail the form so as to reach us on or before 13<sup>th</sup> September 2017)**

1. Name.....  
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2. Address.....  
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3. Name and Address of sponsoring company.....  
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4. Sex: Male  Female
5. Age.....  
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6. Telephone  
No.....  
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7. Mobile  
No.....  
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8. Fax No.....
9. E-mail id.....
10. Professional Qualification.....
11. Present Post Held.....
12. Registration fees is enclosed vide  
DD No..... Date.....Amount  
Rs.....Bank.....

\* The above fees is to be submitted in A/c payee Drafts / MCC in the name of “**Council of Students Activities, NSI, Kanpur**”, payable at Kanpur.

**Signature of the Participant**

**IN CASE OF SPONSORED CANDIDATES**

We hereby sponsor the above person for attending one day workshop, at National Sugar Institute, Kanpur (INDIA).

**Signature of the Sponsoring Authority with seal**

**Note :** Photocopies of the form may be used if needed.