



National Productivity Council

Training Programme on

“OPERATION & MAINTENANCE AND ADVANCES

IN

WASTEWATER TREATMENT PLANTS”

PROGRAMME CODE: (NPC/TP/22- 23/128)

23rd -25th JANUARY 2023

(@ Madurai, Tamilnadu)



1. ABOUT NPC

National Productivity Council (NPC) is an autonomous organization under the Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India. The present expertise available in NPC has a resource base of professionals from fields such as Economics, Industrial Engineering, Human Resource Management, Energy, Environment, IT, Project Monitoring and Evaluation, Research Studies and Baseline Surveys. In addition, services of external professionals and subject matter specialists are also sought on need basis, depending upon the nature and scope of work. NPC extends services from its headquarter at New Delhi and 12 regional offices across the country manned by more than 100 full time professionals. NPC has professionals from diverse fields to provide Consultancy, Capacity Building and Project Monitoring Unit (PMU) services to various organisations including Central Government Ministries and State Governments.

2. PROGRAMME THEME

Wastewater treatment plants need continuous attention to meet its discharge standards. Most treatment plants face operational issues due to various reasons such as changed production scenario, poor design criteria, inadequate O & M practices, untrained manpower etc.

This necessitates thorough understanding of principles, O & M and troubleshooting practices. The growing focus on recovering wastewater for reuse, requires tertiary level treatment and knowledge of processes & Technologies that ensure treated water quality for reuse.

National Productivity Council (NPC) has designed this 3 day program with an objective of helping you to obtain the necessary solutions vide its in- house knowledge pool as well as experts with wide expertise in designing, commissioning, operating, evaluating, optimizing and upgrading various wastewater treatment plants.

3. LEARNING OBJECTIVES

This training program prepares participants in wastewater treatment concepts, O & M practices and techniques including tertiary treatment & Zero Liquid Discharge (ZLD).

4. BROAD PROGRAMME COVERAGE

The following topics shall be covered during the training

- Overview of Effluent Parameters, Sampling and Flow Measurement
- Effluent Load Reduction Techniques & Methodology
- Effluent Treatment Methods & Application Areas
- Analysis of WWTP for Conceptual & Design Problems
- Mechanical Equipment Selection & Optimisation
- Performance Evaluation of Wastewater Treatment Plants
- Proper Operation, Maintenance, Process Control and Trouble- Shooting Practices
- Tertiary Treatment Technologies
- Treatment Options for Effluent Reuse

5. METHODOLOGY

The training program would be participative in nature. The sessions would be based on lectures, conceptual deliberations, case studies and exercises/discussions

6. PARTICIPANTS' PROFILE

This program is designed for a wide variety of industries, skill levels and job titles. Simply speaking, this programme is designed for industrial personnel working with industrial wastewater treatment and public water works. This program will be beneficial to:

Managers, Junior Level Executives, Supervisors and Operators from industries, CETPs and other relevant organizations.

7. FACULTY

The faculty for the training programme will comprise of senior NPC Experts & other renowned and experienced trainers from the industry and professional institutions.

8. PROGRAMME FEE & VENUE

Programme Code	NPC/ TP/ 22- 23/128
Program Venue	Madurai.
Programme Fee	Non-Residential Participants ₹ 18300 + 18% GST Residential Participants ₹ 35,000 + 18% GST
Coverage for Residential Participants	<ul style="list-style-type: none">• Accommodation will be provided in a A/c room for 3 days• Check in at 12 noon on 22-01-2022• Check out at 12 noon on 26-01-2022• Breakfast and Dinner will be provided• Working lunch will be provided at the training venue• Tea & snacks (1 in morning and 1 in evening) will be provided at the training venue

9. PAYMENT DETAILS

Programme fee inclusive of GST to be paid in advance and proof of payment to be attached along with application form.
<ul style="list-style-type: none">• ECS Payment Details: State Bank of India, 1324-F, East Avenue, Korattur, Chennai Branch; A/c No. 39783959115, IFSC Code. SBIN0017247
<ol style="list-style-type: none">1. DD/Cheque should be drawn in the name of NATIONAL PRODUCTIVITY COUNCIL payable in India2. NPC'S PAN No: AAATN0402F, NPC'S GSTIN: 07AAATN0402F1Z8

As per GOI notification No. 9/2017-Integrated Tax (Rate) dated 28.06.17, Sr. No. 75, Heading 9992 (at page no. 19 of the notification) No GST is applicable where Services provided to the Central Government, State Government, UT Administration under any training programme for which total expenditure is borne by the Central Government, State Government, UT Administration.

- ❑ NPC shall offer 10% discount on programme fee to organizations sponsoring 3-5 participants and 15% discount of programme fee to organizations sponsoring more than 5 participants.

10. HOW TO APPLY

- ❑ Please apply in prescribed application format enclosed with this brochure. Nominations may be sent to the following address:

Sh. R. Idhayachander, Dy. Director
The Training Coordinator
National Productivity Council
Dr. Ambedkar Institute of Productivity
No. 6, Aavin Dairy Road, Ambattur Industrial
Estate (North), Ambattur, Chennai- 600 050
Email: chennai@npcindia.gov.in
E-mail : idhaya.chander@npcindia.gov.in

- ❑ **Last date for Receiving of nominations: 15th January 2023**

11. GENERAL INSTRUCTIONS

- ❖ Due to limited number of seats, it is recommended to send the nominations as per attached format at the earliest, for ensuring the availability. Acceptance of the nominations is subject to the seat availability and receipt of programme fee latest by the last date for nominations.
- ❖ The Residential programme fee covers the professional fees towards training, board & lodge of the Participant(s). The fee once deposited is non-refundable, however, substitutions are allowed.
- ❖ Each participant should carry their ID cards and necessary letters / orders issued by their department for attending the training program.
- ❖ The Non Residential programme fee covers the professional fee towards training, lunch and refreshments during the training program. The fee once deposited is non-refundable, however, substitutions are allowed.
- ❖ NPC shall not bear any charges towards participants' to & fro travel from their residence / place of stay and the training program venue. All participants shall make their own arrangement to reach the venue on time as per the programme schedule.
- ❖ Participants are requested to assure their health and safety during the training period and NPC will not be liable for medical expenses incurred by the participants during the program.
- ❖ NPC will not provide boarding and lodging before and after the dates of programme. Participants planning to stay longer than the scheduled duration should arrange the same at their own cost.
- ❖ Settlement of additional bills: The hotel will be instructed to open separate folio for each participant. Participants may directly settle their additional dues regarding family member, laundry, telephone, mini bar, room service, overstay etc. with the hotel before checkout.
- ❖ The participants shall be awarded Certificate of Participation on successful completion of programme.

- ❖ Any other terms and conditions apply as may be notified by NPC at any point of time.
- ❖ Referring to GST guidelines, you are requested to confirm the applicability of GST payment for your department.
- ❖ Participants are required to follow the necessary COVID protocols during training.



NATIONAL PRODUCTIVITY COUNCIL
5-6 Institutional Area, Lodhi Road, New Delhi – 110003
npctraining@npcindia.gov.in

APPLICATION FORM FOR NOMINATIONS

Title of Programme: “**OPERATION & MAINTENANCE AND ADVANCES IN WASTEWATER TREATMENT PLANTS**”

Programme Code: **NPC/TP/22- 23/128**

Programme Duration: Three (3) days

Location: NPC, Chennai.

Details of Nominated Participants:

S. No	Name of the Delegate	Designation	Mobile No.	Email ID	Official Address for correspondence
1					
2					
3					
4					
5					

Details of Nominating Authority:

Name:

Designation:

Organization:

Address

Contact Number:

Email ID:

Signature

Details of Proof of payment of Programme fee (*RTGS / NEFT Details; Cheque, DD*):

Payment Particulars

- ECS Payment Details:** State Bank of India, 1324-F, East Avenue, Korattur, Chennai Branch; A/c No. 39783959115, IFSC Code. SBIN0017247
- In case of ECS Payment, the payment details should be intimated accordingly along with UTR number
- DD/Cheque should be drawn in the name of NATIONAL PRODUCTIVITY COUNCIL payable in India
- Programme Fees per Participant plus GST to be paid in advance
- PAN No: AAATN0402F, GSTIN: 07AAATN0402F1Z8

**OPERATION & MAINTENANCE AND ADVANCEMENTS IN
WASTEWATER TREATMENT**



National Productivity Council

(Under Department for Promotion of Industry and Internal Trade)

Ministry of Commerce and Industry

Government of India

Dr. Ambedkar Institute of Productivity

No. 6, Aavin Dairy Road, Ambattur Industrial Estate (North)

Ambattur, Chennai- 600 050

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E-mail : idhaya.chander@npcindia.gov.in