

**CENTRAL POLLUTION CONTROL BOARD
ENVIRONMENTAL TRAINING UNIT
Parivesh Bhawan, East Arjun Nagar
Delhi – 110032**

TRAINING PROPOSAL FORM

Training Title	MANAGEMENT OF SOLID WASTE THROUGH BIO-COMPOSTING, WASTE TO ENERGY AND SUSTAINABLE AGRICULTURE	
Course Duration	No. of days: 03	Dates: September 15-17, 2026
Place of Training	IIT Kharagpur, West Bengal	
Name & Address of Institute	Indian Institute of Technology Kharagpur Kharagpur WB	
Tele. No.	Fax No.:	E-mail: vvkulkarni@civil.iitkgp.ac.in

Key Persons	
In charge of the training event	Name: Dr. Kulkarni Vihangraj Vijaykumar
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Deputy	Name:
	Address:
	Telephone:
	Fax:
	E-mail
Date of Submission	19.06.2026

1. COURSE MODULES

(Divide the course into 3-5 modules as required by the nature of the training)

Module No	Theme of the Module
Module 1	- Waste Management in industries - Laboratory characterization and analysis technique
Module 2	- Laboratory demonstration and hands on practice - Demonstration of WTP
Module 3	- Management of Solid Waste: Life Cycle Analysis perspective - Waste valorisation for sustainability: Waste to Wealth
Module 4	- Field visit to facility - Demonstration of waste to wealth - Demonstration of waste management
Module 5	- Sustainable Agriculture: Challenges and opportunities - Agriculture success stories: The way forward
Module 6	- Field visit to the organic farms - Demonstration of sustainable livelihood practices
Module 7	- Management of hazardous and other waste amendment rules - Characterization of hazardous solid industrial sludge
Module 8	- Visit to laboratory facilities for waste characterization - Demonstration of high-end instruments
Module 9	- Introduction to battery Management rules 2022 (group discussion) - Battery Sludge management practice
Module 10	- Government initiatives in Waste management and panel discussion - Valedictory session - Certificate distribution - feedback

* Append more modules if necessary

2. DAY-WISE TRAINING PROGRAMME

(The day-wise programme may OR may not cover all aspects (lectures / case studies, group discussions/ hands on training / project work) of a module on a single day and contents of more than one modules may be included in a day)

Day No./ Date	Time	Programme	Name of Faculty* (Annexure-I)
1	2	3	4
Day 1	9.30 to 10:30 am	Inauguration function with Keynote on objectives of training programme	
	11.00-01:00 pm	Module – 1	
	02:00 -05:00 pm	Module – 2	
Day 2	10.00-01:00 pm	Module – 3	
	02:00 -05:00 pm	Module – 4	

Day No./ Date	Time	Programme	Name of Faculty* (Annexure-I)
Day 3	10.00-01:00 pm	Module – 5	
	02:00 -05:00 pm	Module – 6	
Day 4	10.00-01:00 pm	Module – 7	
	02:00 -05:00 pm	Module – 8	
Day 5	10.00-01:00 pm	Module – 9	
	02:00 -05:00 pm	Module – 10	

* Please write only the name of the faculty in column 4 and give their designation, qualifications and experience in the training event as attached format at page no. 6.

** Add days as required

3. AN OVERVIEW OF DAY-WISE TRAINING EVENTS COVERED BY MODULE

Modules	Training Events	Covered on Day (Colour the cell OR mark X if the event is covered as per training programme on the day)						
		1	2	3	4	5	6	7
1	Lectures/ case studies		X					
	Group discussion*			X				
	Project work*							
	Hands on training*							
	Field visits*							
2	Lectures/ case studies		X					
	Group discussion*							
	Project work*							
	Hands on training*			X				
	Field visits*			X				
3	Lectures/ case studies			X				
	Group discussion*							
	Project work*							
	Hands on training*			X				
	Field visits*			X				
4	Lectures/ case studies			X				
	Group discussion*							
	Project work*							
	Hands on training*			X				
	Field visits*			X				
5	Lectures/ case studies			X				
	Group discussion*			X				
	Project work*							
	Hands on training*							
	Field visits*							
6	Lectures/ case studies			X				
	Group discussion*							

Modules	Training Events	Covered on Day (Colour the cell OR mark X if the event is covered as per training programme on the day)						
		1	2	3	4	5	6	7
	Project work*							
	Hands on training*			X				
	Field visits*			X				
7	Lectures/ case studies			X				
	Group discussion*			X				
	Project work*							
	Hands on training*							
	Field visits*							
8	Lectures/ case studies			X				
	Group discussion*							
	Project work*							
	Hands on training*			X				
	Field visits*			X				
9	Lectures/ case studies			X				
	Group discussion*			X				
	Project work*			X				
	Hands on training*							
	Field visits*							
10	Lectures/ case studies			X				
	Group discussion*			X				
	Project work*							
	Hands on training*							
	Field visits*							

* Please leave the cell **blank** if not applicable to the module as per course contents mentioned under section 7

4. Infrastructure Facilities

1.	Infrastructural Facilities	Green campus having digital conference halls, Centre of excellence, guest house facility, institute owned buses facilities etc.
2.	Lecture Theatre/Conference Hall	Digital conference hall with two number of LCD projectors, PA system, Computer interfacing, Central Air-conditioned Hall.
3.	Laboratory Facilities	Well-equipped Environmental Engineering Laboratory. Analytical Chemistry Laboratory and sophisticated facility at Assam University nearby
4.	Sampling Facilities	Sampling of dumpsite for groundwater contamination and for soil and solid waste collection, mine sampling, river sampling,
5.	Field Visit Arrangement	Vehicle available

DETAILS OF THE FACULTY MEMBERS

(As mentioned in section 8 column 4)

S. No.	Name	Designation	Qualifications	Experience
1.	Prof. K Umamaheshwar Rao Director NIT Rourkela	Director	PhD	35 Years
2.	Prof. Brajesh Dubey Professor, IIT Kharagpur	Professor	PhD	20 Years
3.	Prof. Ajay A. Deshpande IIT Bombay	Adjunct Professor	PhD	35 Years
4.	Prof. Makarand Ghangarekar, IIT KGP	Professor	PhD	25 Years
5.	Prof. Ajay Kalamdhad IIT Guwahati	Professor	PhD	15 Years
6.	Prof. Parag Sadgir College of Engineering Pune, Maharashtra	Professor	PhD	25 Years
7.	Dr Vinay Yadav, IIT Kgp	Assistant Professor	PhD	8 years
8.	Prof. A K Dey NIT Silchar	Professor	PhD	40 Years
9.	Prof. Upendra Kumar NIT Silchar	Professor	PhD	30 Years
10.	Dr. Sandeep B. Mundhe SGGSIE&T, Nanded	Assistant Professor	Ph.D.	19 Years
11.	Dr Monowar Hussain NIT Silchar	Associate Professor	PhD	10 Years
12.	Dr Vihangraj Kulkarni NIT Silchar	Assistant Professor	PhD	8 Years
13.	Dr Sunil Kumar NEERI Nagpur	Sr. Principal Scientist	PhD	30 Years
14.	Yogesh Madhukarrao Nimdeo IIT Jammu	Assistant Professor	PhD	5 Years
15.	Prof. Mihir Purkait IIT Guwahati	Professor	PhD	20 years
16.	Dr. Yogesh Nimdeo Indian Institute of Technology, Jammu.	Associate Professor,	Ph.D. (Chemical Engg)	08 Years
17.	Dr Amey Pathak, IIT Kgp	Associate Professor	PhD	8 years
18.	Prof A K Golder IIT Guwahati	Professor	PhD	20 years
19.	Dr Manish Pandey, IIT KGP	Assistant Professor	PhD	08 years