



**CSIR- Institute of Minerals and Materials Technology (IMMT)  
Environment & Sustainability Department, Bhubaneswar-751013, Odisha (India)**

**Website: [www.immt.res.in](http://www.immt.res.in)**

**CSIR-Skill Development Training Program: Basic and Advance Skills for Water Testing and Analysis (BASWTA): 5<sup>th</sup>-9<sup>th</sup> August, 2019**

CSIR-Institute of Minerals and Materials Technology (Formerly RRL) was established on 13<sup>th</sup> April, 1964 under the aegis of the Council of Scientific and Industrial Research (CSIR), New Delhi. Since 2007, after it's renaming as IMMT, renewed research focus primarily in the areas of Minerals & Materials resources engineering strengthen. At CSIR-IMMT, basic R&D problems and technology oriented programs in wide range of subjects like mining, minerals, metals and environmental domain are undertaken to achieve sustainable development. Institutes has very modern laboratory and analytical facilities which can cater to the skill development programme. It has well experienced manpower and other necessary facilities like lecture hall, library, computer labs with internet facility.

Environment & Sustainability department is one of the important part of CSIR-IMMT engaged with environmental R & D. Also, recently, NABL accreditation for Environmental Chemical Lab (ECL) and Environmental Biological Lab (EBL) provides services regarding testing of selected water, soil and air parameters. The proposed skill development training program on "Basic and Advance Skills for Water Testing and Analysis (BASWTA)" targets to impart immense practical knowledge related to water testing and analysis with advanced instrumental facilities to science students (10+2) onwards, research scholars, and interested persons from industries. The training will develop human resource, who can contribute towards the growing manpower requirement in water testing and analysis and support Skill Development' programs under National Skill Development Mission.

Training Programs	Duration	No. of Seats	Eligibility
Basic and Advance Skills for Water Testing and Analysis (BASWTA)	5 days (5th -9th August, 2019)	30	Intermediate (10 + 2 Science) / Bachelor/Master's degree in Science- basic/ Any other science & Engineering degree/Industry Personnel

**ABOUT TRAINING PROGRAMME:** The training will be primarily oriented towards imparting skills and knowledge on water sampling, sample preparation, processing and analysis. The program aims at providing a hands on training on various instrumental methods according to the specified protocols. An elaborate training on principles of important instruments related to water testing and analysis and their integrated instrumental methods of analyses will be imparted by the experts.

## **OBJECTIVES OF TRAINING PROGRAMME**

- ❖ To acquaint regarding good laboratory practices (GLP's) of water testing labs.
- ❖ To provide theoretical and practical knowledge about laboratory method of testing and analysis of water with modern analytical instruments.
- ❖ To improve skills for handling modern analytical instruments like UV-VIS, AAS, ICP-OES, etc.

## **SALIENT FEATURE OF THE TRAINING:**

Theory: Practical = 50: 50

Interactive sessions: Small group of five trainees for practical classes

## **Evaluation of Trainees:**

Continuous evaluation through viva-voice along with theory and practical examination.

Certificates will be awarded on successful completion of the training.



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**CSIR-Skill Development Training Program: Basic and Advance Skills for Water Testing and Analysis (BASWTA): 5<sup>th</sup>-9<sup>th</sup> August, 2019**

Course fee can be paid by net banking or Demand Draft of any nationalized bank in favour of “Director, CSIR-IMMT” or can be processed online to:

Account No.: 30267734773 (current account); Name of Bank: State Bank of India Bank; Branch: SBI, IMMT CAMPUS BRANCH, IFSC CODE: SBIN0007499; BHUBANESWAR- 751013.

Rs. 5000 (Five Thousand only) - for students/research scholars and Rs. 10000 (Ten Thousand Only) for Industrial/sponsored persons

- The trainee delegates have to make their own arrangements for lodging, boarding, travel etc. for attending the skill development training course.

**Other Information:**

a) It's a 'Non-residential' program.

b) Training venue: CSIR- Institute of Minerals and Materials Technology, Acharya Vihar, Bhubaneswar-751013, Odisha (India)

How to apply and Selection: 1. Candidates have to apply as per the application format given in this advertisement.

2. Selection will be made based on first come first serve and fulfilling the criteria by screening committee.

Organizer: Dr. Pravat Manjari Mishra, Sr. Scientist, Phone (Off): 0674-237-238 and 9861544056(M); e-mail: [pravatmanjari@immt.res.in](mailto:pravatmanjari@immt.res.in)

Dr. N K Dhal, Chief Scientist & Head, E & S Department, Phone No. 0674-237-9411; 9437460626(M); e-mail: [nkdhal@immt.res.in](mailto:nkdhal@immt.res.in)



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**CSIR-Skill Development Training Program: Basic and Advance Skills for Water Testing and  
Analysis (BASWTA)**

**(Last Date for Receipt of Application: 31/07/2019; up to 5.30 PM)**

**Application form**

To,

The Director,

CSIR-Institute of Minerals and Materials Technology Acharya Vihar, Bhubaneswar-751013

1. Name of the Candidate: \_\_\_\_\_
2. Father's / Guardian's Name: \_\_\_\_\_
3. Category: General/ OBC/ SC / ST: \_\_\_\_\_
4. Date of Birth: \_\_\_\_\_
5. ID Proof\* (Aadhaar Card/Authentic ID): \_\_\_\_\_
6. Permanent Address: \_\_\_\_\_  
\_\_\_\_\_
7. Communication Address: \_\_\_\_\_  
\_\_\_\_\_
8. Educational Qualifications: \_\_\_\_\_
9. Research/industry Experience: \_\_\_\_\_
10. Any other (Employment history/ relevant training acquired): \_\_\_\_\_
11. Phone No(s): \_\_\_\_\_ E – Mail : \_\_\_\_\_  
\_\_\_\_\_
12. Course Name applied for (Basic/Advance): \_\_\_\_\_

I \_\_\_\_\_ hereby declare that statements made in the application are true, complete and correct to the best of my knowledge and belief, and in the event if any of the information is found false or incorrect or any ineligibility, my candidature is liable to be cancelled and action may be initiated against me.

Candidate's Signature

\* Original ID is required for candidate verification for the training



**CSIR-Skill Development Training Program: Basic and Advance Skills for Water Testing and Analysis (BASWTA): 5<sup>th</sup>-9<sup>th</sup> August, 2019**



**Course Organizer:**

Dr. Pravat Manjari Mishra

Dr. N K Dhal

**Technical Committee:**

**Training Area: Testing and analysis of Water**

Dr. M G Sujana

Dr. Arakshita Majhi

Dr. Asheesh Yadav

Dr. Boopathy Ramasamy

Dr. Manish Kumar

Dr. Trupti Das

**Training Area: Microbial treatment of water**

Dr. Sony Pandey

Dr. Nilotpala Pradhan

Mr. Sathis R

Dr. B S Jena

Dr. U Subudhi

**Advance Instrumentation**

Dr. Bibhuranjan Nayak, Head CCC

Dr. S K Mishra

**Local Organizing Committee**

Dr. N C Rout

Dr. D R Satpathy

Dr. S M Mustakim

Mr. Biswaranjan Das

**Skill Development Coordinator**

Dr. S.K. Pradhan (CSIR-IMMT)  
(skpradhan@immt.res.in)

Department of Environment & Sustainability, CSIR-IMMT Bhubaneswar is organizing the **Skill Development Training Program: Basic and Advance Skills for Water Testing and Analysis (BASWTA)** during **5<sup>th</sup> – 9<sup>th</sup> August, 2019**.

With progress of time environmental related challenges associated with water are increasing. Therefore, human resource with advance skill of water analytical techniques will make them suitable for industries, various labs as well as entrepreneurs. Knowledge with practical experiences with instrumental techniques builds the foundations in early carrier and develop the skill to make them job ready. Also, the advance skill training program will update skills of analytical environmentalist working in various educational institutions, research institutes and industries. Areas to be covered during the training program are- Know-how about water testing laboratory, basic as well as advance method of analysis on water and waste water, knowledge about tools and analytical instruments related to water sampling, processing, treatment and analysis. The programme consists of lectures in the morning sessions and demonstration of analysis in the afternoon sessions. Lectures will be delivered by scientists and analysts. The target participants are motivated students, young academics, research scholars, industrial personnel and budding scientists. A total of **30 participants** will be selected for this programme. Certificates to the participants will be given on the basis of participation and evaluation during the programme.

Course fee can be paid by net e-banking or D.D. of any nationalized bank in favor of "Director, CSIR-IMMT" or can be processed online to A/C No: 30267734773 (current account) IFSC CODE: SBIN0007499. NAME OF BANK: STATE BANK OF INDIA BRANCH: SBI, IMMT CAMPUS BRANCH, IMMT, BHUBANESWAR- 751013.

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General information about the programme is available at  
<http://www.immt.res.in>

Those desirous of participating in **BASWTA** should send the filled and signed application form through proper channel by post or e-mail to

1. Dr. Pravat Manjari Mishra, Sr. Scientist, Environment & Sustainability Department, CSIR-IMMT, Bhubaneswar-751013;

[pravatmanjari@immt.res.in](mailto:pravatmanjari@immt.res.in)

2. Dr. N.K Dhal, Head, E & S Dept., CSIR-IMMT, Bhubaneswar- 751013;  
[nkdhal@immt.res.in](mailto:nkdhal@immt.res.in)