



CSIR Integrated Skill Initiative Skill Development Programme



CSIR-Central Glass & Ceramic Research Institute

ANNOUNCEMENT

Skill Development programme on “Physical Testing of Refractory Materials as per IS Standard” at CSIR-CGCRI, Kolkata

About the Program

CSIR-CGCRI is organizing skill development programmes on “*Physical Testing of Refractory Materials as Per IS Standard*” at CSIR-CGCRI, Kolkata, as a part of the CSIR Integrated Skill Initiative under the “Skill India” mission of the Government of India. The aim of the program is to impart hands-on training to people working in the industry and the students on refractory testing. The curriculum of the program is designed to augment the understanding of participants on scientific principles/ technical mechanisms working behind every step of the testing process.

CSIR-CGCRI has vast and strong expertise in the field of refractory testing and characterization and is well-equipped with various state-of-the-art instruments for the characterisation of refractory raw materials and products. This institute is the only national laboratory working in the field of refractory research and development and has vast experience and expertise in refractory product development.

Objective

The main objective of this skill development program is to provide basic training on refractory product characterization through technical lectures and demonstrations.

Course Details

Sl. No.	Course details	Duration	Eligibility
1.	Physical characterization: <i>Sp. gravity, apparent porosity, bulk density</i> Mechanical /thermal / thermo-mechanical characterization: <i>CCS, MOR, PCE, RUL, HMOR, PLCAR,</i> Result interpretation	15 th – 19 th July 2024	Industry people/ B. Tech. / Diploma (Engg.)
2.	Physical characterization: <i>Sp. gravity, apparent porosity, bulk density</i> Mechanical /thermal / thermo-mechanical characterization: <i>CCS, MOR, PCE, RUL, HMOR, PLCAR,</i> Result interpretation	22 nd to 26 th July 2024	Industry people/ B. Tech./ Diploma (Engg.)



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Program Venue

Refractory & Traditional Ceramics Division
CSIR-Central Glass & Ceramic Research Institute
196, Raja S. C. Mullick Road
Kolkata-700032, West Bengal

Expected benefits to the participants

During the training program, participants will learn about basic concepts of refractory properties and their testing and evaluation of products with reference to relevant BIS quality standards. Various test apparatus and their efficient operation and hands-on training for the operation of the same. Participants will be exposed to sophisticated characterization techniques used in ceramics and made to understand their relevance. By undergoing this training program candidates will be able to troubleshoot the day-to-day problems in the production process as well as improve efficiency. At the end of the training program, a certificate of participation will be issued.

Registration

Kindly note that registration for the program will be on a first-come, first-serve basis. Therefore, it is requested to register yourself or nominate your representative at the earliest.

**Participants will have to make their own arrangements for stay and travel.*

For further details, you may please contact

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