



CCE-02/STC-26/Cem/B/2026

Training Programme on Optimization of Clinker Cooler and Effective WHRS Performance

Intended for

Kiln Operators, Process Engineers, WHRS Operators, Quality Officer.

Objective

The course aims at imparting knowledge on improving the performance of clinker cooler and energy efficient operation of waste heat recovery system

Course Contents

- Introduction to Coolers.
- Development in Cooling Technology.
- Heat and air balance across cooling system and Heat recuperation efficiency of cooler.
- Role of clinker chemistry in smooth kiln operation and impact of cooling on clinker microscopy.
- Improving grate cooler efficiency through retro fittings.
- Coolers operational problems and their solutions.
- Use of different types of castables/bricks in cooler.
- Optimization of WHRS operation.
- Energy Audit of WHRS.

Mode of Training:

Offline/Physical at NCB-Ballabgarh

Duration and Timings

2 days (20-21 August 2026); 10.00 hrs to 17.00 hrs (Indian Standards Timing)

Course Fee

Non-Residential

₹ 12,000 plus G.S.T. @ 18% (i.e ₹ 14,160/-), per participant

Residential

₹ 17,100 plus G.S.T. @ 18% (i.e ₹ 20,178/-), per participant

[Limited residential accommodation is available in the hostel located within the campus of NCB Ballabgarh. The accommodation is booked on first-come-first-serve basis only].

Discount on Course Fee

A discount of 10% and 15% on course fee will be extended if an organization nominates 3 and 4 or more participants respectively for the course.

Mode of Payment: Online

1). State Bank of India, CRI Faridabad Branch (Code 03794), Faridabad-121004, Haryana, India

SB Account No.: 37301477161

MICR Code: 110002194

IFSC Code: SBIN0003794

Participation Certificate

NCB will issue a certificate of participation on conclusion of the training course.

Venue & Communication Address

Centre for Continuing Education Services

National Council for Cement and Building Materials

34 KM Stone, Delhi-Mathura Road (NH-2)

Ballabgarh-121 004, Haryana, INDIA

Tel : +91-129-2666868/ 867

E-mail : cceb@ncbindia.com Website: www.ncbindia.com

NOMINATION FORM



CCE-02/STC-26/Cem/B/2026

**Training Programme
on
Optimization of Clinker Cooler and Effective WHRS Performance
(20-21 August 2026)**

Please return the completed form to :

Centre for Continuing Education Services

National Council for Cement and Building Materials

(Under the administrative control of DPIIT, Ministry of Commerce & Industry, Govt. of India)

34 KM Stone, Delhi–Mathura Road (NH–2) Ballabgarh–121 004, Haryana, INDIA

Tel: +91-129-2666645/ 868/ 867; **E-mail:** cceb@ncbindia.com;

Website: www.ncbindia.com

To be Filled in by the Nominee

Name of Participant (in Block Letters) Dr /Mr /Mrs /Ms

Qualifications

Position / Designation

Organisation

Address for Communication

..... PIN

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E-mail Tel/Mb Fax

☐ Non-Residential ☐ Residential

Signature of the Participant

To be Filled in by the Sponsor

Name of Sponsoring Organisation

GSTIN

Address for Communication

..... PIN

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E-mail Tel Mobile

UTR No. Dated ₹

Date : Signature of the Sponsor with stamp of Organisation