

भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी - III/16 :269

20 फरवरी 2020

विषय : बीआईएस लाइसेंस के देने एवं संचालन के हेतु क्लिंकर की अनुरूपता एवं सीमेंट के निर्माण के लिए क्लिंकर की खरीद के हेतु दिशानिर्देश।

इसे उपरोक्त विषय का संदर्भ प्राप्त है।

सक्षम प्राधिकारी द्वारा उपरोक्त विषय पर अनुमोदित दिशानिर्देश संलग्न हैं।

सभी शाखा कार्यालयों से अनुरोध है की उपरोक्त दिशानिर्देश का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(एस डी राणे)

वैज्ञानिक ई (सी एम डी-III)

प्रमुख (सी एम डी- III)

सभी क्षेत्रीय /शाखा कार्यालय

प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतु।

BUREAU OF INDIAN STANDARDS
(Central Marks Department-III)

Our Ref: CMD-III/16: 269

20 February 2020

Subject: Guidelines for Conformity of Clinker for Grant of Licence and Operation of BIS licence for Cement and Guidelines for procurement of Clinker for manufacturing of Cement.

This has reference to the subject mentioned above.

The Competent Authority has approved guidelines on above subject.

All BOs are requested to ensure the implementation of the above guidelines with immediate effect.

(S. D. Rane)
Sc-E (CMD-III)

Head (CMD-III)

Circulated to: All ROs/BOs

Copy to: ITSD – for hosting on Intranet please

CENTRAL MARKS DEPARTMENT-III

Ref: CMD-III/16: Cement

19 February 2020

Subject : Conformity of Clinker for Grant of Licence and Operation of BIS licence for Cement and Guidelines for procurement of Clinker for manufacturing of Cement.

1. IS 269 : 2015 covers the manufacture, chemical and physical requirements of Ordinary Portland Cement. As per clause 5.1 of IS 269 : 2015 'Ordinary Portland Cement shall be manufactured by intimately mixing together calcareous and argillaceous and/or other silica, alumina or iron oxide bearing materials, burning them at a clinkering temperature and grinding the resultant clinker so as to produce a cement capable of complying with this standard'. No specific requirement of clinker is specified in IS 269 : 2015.

2. CED has also clarified that IS 269 : 2015 does not require any separate testing of clinker as per IS 16353 : 2015 whereas in case of other cement standards such as IS 1489 (Part 1) : 2015, IS 1489(Part 2) : 2015 , IS 455 : 2015 and IS 16415 : 2015 where Clinker/Flyash/ Slag etc. being raw materials in substantial quantity are required to be tested separately apart from final testing of cement for various requirements as per the concerned Indian Standard. However based on the requirement of in-process quality control as may be required for grinding units or for integrated cement plants manufacturing OPC by procuring clinker from outside, appropriate mechanism to ensure quality control of clinker may be considered.

3. Considering the above, following guidelines for ensuring quality of clinker used for manufacturing of any type of Cement by Integrated cement plants or by Grinding units have been developed:

- a) The integrated cement plants using inhouse clinker for production of cement shall test clinker as per the frequency specified in Scheme of Testing and Inspection and maintain test record as per the specified formats.
- b) For procurement of clinker from clinkerization unit, the procedure given below shall be followed:
 - i) Cement manufacturing unit (Licensee/Applicant) shall inform the respective Branch Office of BIS about its intention to procure clinker from outside unit.
 - ii) If clinker supplied by clinkerization unit is with BIS Standard Mark as per IS 16353 : 2015, no further testing is required. ISI marked clinker received shall be stored by cement manufacturing unit properly segregated lot wise with identification.

- iii) If clinkerization unit is not holding BIS licence as per IS 16353 : 2015, clinker supplied shall be accompanied with conformity test certificate of clinker as per IS 16353 : 2015. The manufacturer of cement shall ensure that clinker received by them confirm to requirements of IS 16353 : 2015. On receipt of clinker along with conformity report, same shall be stored in separate area properly segregated lot wise with identification. Cement manufacturing unit shall carryout testing of each consignment of clinker received as per STI and maintain record for the same.
- iv) Physical testing of clinker ground with gypsum i.e. Laboratory ball mill samples shall be carried out as per frequency specified in STI and maintain record of the same.
- v) Undertaking for compliance to above shall be submitted to BIS along with application for obtaining permission for using clinker procured from outside clinkerization unit.
- vi) During surveillance visit, conformity of quality of clinker may be assessed as per IS 16353 : 2015 for possible requirements through factory testing.
- vii) For considering GoL/operation of licence for cement of various types as per relevant Indian Standards, where conformity of clinker is specified as per IS 16353 : 2015, sample of clinker for independent testing may not be drawn, if applicant/licensee submitted test report of conformity of clinker for each lot of clinker received, as per IS 16353 : 2015 from BIS recognized laboratory or clinker received is ISI marked.

4. The above guidelines shall come into force with immediate effect.

5. This circular supersedes earlier circular on the same subject issued by CMD-III vide ref: CMD-III/16: Cement dated 12 February 2018.

(S D Rane)
Sc-E (CMD-III)

Head (CMD-III)

DDG (Certification)

Circulated to all BOs