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18/1/05

OFFICE OF THE CHIEF ENGINEER (DESIGN)  
DELHI DEVELOPMENT AUTHORITY  
CENTRAL DESIGN ORGANISATION

No: CE(D)/T/C/13/84/DDA/37

Dated: 17th Jan., 2005

CIRCULAR NO. 24

The following special conditions for R.C.C. work shall be incorporated in the Tender Documents.

1. The cement concrete mix design shall be done either at the site of work or through an approved organization/testing labs.
2. The maximum water cement ratio for a particular concrete grade shall be kept as specified in IS 10262 and shall not exceed the value given in Table 5 IS 456-2000 which are as follows:

M-25	0.50
M-30	0.45
M-35	0.45
M-40	0.40

3. The cement content in any grade of concrete shall not be less than 360 Kg (Port land cement) per cubic meter. Cement shall be preferably of 43 Grade.
4. Workability of concrete shall be as specified in Para 7.0 of IS 456-2000, for all grades of concrete depending on the placing conditions/members.
5. Approved plasticisers/super plasticisers/admixtures conforming to IS 9103 can be used for improving workability and their performance & shall be monitored as per clause 5.5 IS 456-2000 and clause 4.1.3 of CPWD Specifications 2002.
6. No extra payment shall be made for use of plasticisers.
7. Fully computerized Batching plant shall be provided by the contractor at site for preparation of Design mix concrete.

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- 8. In case computerized plant is not arranged by the contractor, use of Ready Mix Concrete (RMC) obtained from the approved companies based on above conditions shall be permitted.
- 9. Concrete mix shall not be handled twice at the site of work. Either concrete shall be pumped, or through chute or 0.50M<sup>3</sup> buckets with crane arrangement for transportation shall be provided by the contractor for placing of concrete.

This issues with the approval of Engineer Member, DDA.

(R.C. KINGER)  
CHIEF ENGINEER (DESIGN)  
C.D.O./DDA

Copy to:

- 1. VC/DDA for kind information.
- 2. Engineer Member/DDA.
- 3. All Chief Engineers/DDA.
- 4. All S.Es(Civil)/DDA

*S* Director works

*[Signature]*  
CHIEF ENGINEER (DESIGN)  
C.D.O./DDA

No EM/1(10)2004/Circular/234

Date 19-1-05

(1) EO I to EM

(2) EO II to EM

(3) EO III to EM

*[Signature]*  
EO I to EM

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