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Date : 5/1/1999.

No. MJP/MS/TS-1/350/83

TECHNICAL CIRCULAR - 1

Sub : Construction of RCC ESRs having capacity less than 500 m³ on Contractors own design.

The instructions to allow the Contractors to quote alternative offers with their own design have been issued under Technical Circular No. MJP/MS/TS-1/350/1668, dated 2/8/1997.

Issue of modifying some of the conditions was discussed during the meeting of all Chief Engineers. As agreed during the Chief Engineers meeting following modifications be made in the respective conditions :-

1. Sr.No.11--
 - a. The width of braces shall be minimum 250 mm. b. ~~(original)~~ delete
 - b. There shall be a minimum distance of 75 mm between two adjoining reinforcement bars provided in the braces as well as beams.
2. Sr.No.15--

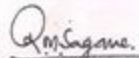
The condition under this Sr.No. remains unchanged in respect of reservoirs upto 500 m³ capacity. However, in case of reservoirs of capacity 500m³ and above the centre to center distance between braces shall not exceed 6.0 m. At the joints of braces and columns, the links to the column bars shall be tied properly and this shall be thoroughly checked before concreting.

3. Note below the original circular should be replaced by following :-

NOTE 1 : The contents of the above circular shall also be applicable for design of RCC ESRs of capacity of 500m³ and above, except for conditions at Sr.No.26 and with a change in condition at Sr.No.9, that the design as well as construction of staging shall be in M-20 only (i.e. c.c. 1:1 1/2 :3) and a change in condition at Sr.No.15 as indicated above.

NOTE 2 : The condition at Sr.No.24(1) shall not be applicable for vertical pipe assembly and by-pass arrangement of reservoirs having capacity 500 m³ and above. For reservoirs of capacity 500 m³ and above, the vertical pipe assembly, horizontal pipeline from duck foot bend of vertical pipe up to 8.0m beyond external face or nearest column and by-pass arrangement shall be in C.I.D.F.Pipe/ M.S.D.F. or M.S. Welded Pipes only. Minimum thickness of M.S. pipe shall be 8 mm for pipe dia upto 500 mm & 10 mm for pipe diameters above 500 mm.

The above corrections may be brought to the notice of all field officers of MJP.


(R.M. SAGANE)
Member Secretary (T)