

✓ 2.3 Necessity of grouting shall be decided based on water intake tests. The stratum having a water loss of more than 3 lugeons shall be grouted so as to, limit the water loss upto a value less than 3 lugeons.

2.4 In case there are serious problems regarding C.O.T. resting, the matter shall invariably be referred to the concerned regional Chief Engineer and C.D.O., Nashik, irrespective of the category of the dam for obtaining further guidance.

2.5 A plot of stratification along the C.O.T. on upstream and downstream face shall be prepared preferably in consultation with Geologist and signed by the Executive Engineer. This stratification shall be verified by the authority passing the C.O.T.

3.0 GRAVITY DAMS AND SPILLWAYS :

The foundations of gravity dams and spillways having a maximum hydraulic head of 10 m. or less shall be passed by the Executive Engineer. The foundations of gravity dams and spillways having maximum hydraulic head more than 10 m. but less than 15 m. shall be passed by the Superintending Engineer. In case of dams and spillways having a maximum hydraulic head more than 15 m. (large dams), the foundation shall be passed by the Chief Engineer. All the data such as geological mapping, results of water-in-take tests and other in-situ tests, treatment carried out etc. shall be properly recorded.

In case of doubtful foundations, the opinion of Geologist & C.D.O., Nashik shall be taken and recorded in the register.

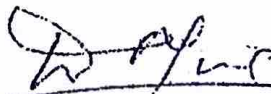
4.0 OUTLETS :

The procedure prescribed for gravity dams shall be followed for passing the foundations of outlet structures, penstock and tunnel outlets etc. as well.

5.0 The maximum hydraulic head shall be the depth of water column from lowest natural ground level to the full supply level for the respective components i.e. earthen dam, gravity dam and spillway, outlet etc. The ground level shall be taken along the centre line of the dam.

6.0 In addition to the instructions contained in the Maharashtra Public Works Manual (Appendix - 20), a separate register shall be maintained wherein all the details such as geological details of the foundation, permeability, any specific treatment to be given to the open joints, weak features etc. If proposed, are mentioned. While passing the foundation, the final foundation levels shall be duly recorded and signed by the Competent authority.

The extra copy of the register shall be sent to the higher officers. The proforma of register is enclosed in Annexure - 1.



(D. M. MORE)

Chief Engineer (V&P) & Joint Secretary
to the Government of Maharashtra,
Irrigation Department.

D.A. : Annexure - 1.

Copy to :

The Secretary (Irrign.), Irrigation Department, Mantralaya, Mumbai-32.
The Secretary (CAD), Irrigation Department, Mantralaya, Mumbai-32,
Executive Director, Maharashtra Krishna Valley Development Corporation, Pune,
Executive Director, Godavari-Marathwada Irrigation Development Corporation, Aurangabad,

Executive Director, Vidarbha Irrigation Development Corporation, Nagpur.

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- Executive Director, Tapi Development Corporation, Jalgaon.
- Executive Director, Konkan Irrigation Development Corporation, Thane.
- Director General, Maharashtra Engineering Research Institute, Nashik.
- Chief Engineer & Joint Secretary, Mantralaya, Mumbai.
- All Chief Engineers, Irrigation Department, Maharashtra State.
- Chief Engineer & Chief C.A.D.A. Administrator, Aurangabad.
- All Chief Engineers under various Corporations.
- All Superintending Engineers & Deputy Secretaries, Irrigation Department, Mantralaya, Mumbai.
- All Superintending Engineers, Irrigation Department, (including C.D.O./D.G.O.), Nashik.

They are requested to bring this Circular to the notice of all the Executive Engineer under their control.

All Technical Desks, Mantralaya, Mumbai.
M.I. Desk for collection.

जास अंकन / मस 2 / ता / 020

कार्यकारी अभियंता
संरक्षक विभाग पा. घ. 2
महाराष्ट्र संरक्षक विभाग
नाशिक-422 008.
दि. 01/2/00

प्रति

कार्यकारी अभियंता
मागी धरण विभाग 2, 3, 4
त जास नियोजन
त सं सं कार्यालय

जास कार्यालयी कार्यालय

कार्यकारी अभियंता
संरक्षक विभाग पा. घ. 2
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