

ANNEXURE - IV

No. MIP-2271/82871-IP(3)

Irrigation and Power Department,  
Sachivalaya, Bombay-32 BR.,  
Dated the 19 Feb. 1972.

MEMORANDUM

Subject : Criteria for deciding necessity of  
stoplog gates on upstream of spillway gates.

The undersigned presents compliments to the Superintending Engineer, Central Designs Organisation, Bombay and with reference to his letter No. J/Misc./144/4039, dated the 22nd July, 1971 on the above mentioned subject is directed to approve the following criteria for provision of stoplogs for radial spillway gates.

- a) Stoplogs need not be provided for radial spillway gates, as an arrangement for emergency closure or operation.
- b) A provision for an additional spillway gate should be considered in preference to stoplogs if the damage due to failure of a gate to open in case of a flood, is likely to be very severe. This will normally apply to a dam with three or less number of gates, where percentage reduction in spillway capacity due to failure of one gate to open, will be substantial.
- c) Stoplogs should be provided for routine maintenance, when the water level does not go below the crest for at least one month in a year.
- d) For gates requiring stoplogs the number of sets of stoplogs to be provided should be as follows :-
  - i) One set for every six gates (or part thereof) in the case of spillway gates where reservoir water level is fairly high throughout the year.
  - ii) One set for every nine gates (or part thereof) in the case of spillway gates where reservoir water goes below a level corresponding to 40% of gate height for at least three months in a year.

30 days  
in a year  
below crest  
level.

For this purpose, one 'set' of stoplogs means sufficient number of stoplog pieces to close one opening up to F.R.L.

By order and in the name of the Governor of Maharashtra.

Sd/-

( V.A. Joshi. )

Under Secretary to the Government of Maharashtra.