Flood Discharge-Working out of---

for minor irrigation works with Catchment areas less than 20 square miles.

GOVERNMENT OF MAHARASHTRA
Irrigation and Power Department,
No. MNS 1963-M.I.(I),
Chief Engineer(Minor Irrigation and Public Health's)
Technical Circle No.2,
Sachivalaya, Bombay, No. 32 BR
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The question of adopting a uniform practice for working out flood discharges for minor irrigation works with Catchment areas less than 20 square miles was under consideration for some time. It has now been decided that in supersession of all previous orders on this subject the following method should be used for working out the flood discharge for catchments upto 20 sq. miles :-

(i) For catchments up to and including 1 square mile a run off- of 3 inches per hour.

(ii) For catchments above 1 sq.mile the following values of the co-efficient C should be adopted in the formula :--

$$Q = C*A./ \sqrt{(A+4)}$$

Serial No.	Catchment area in sq.miles	Value of C	Serial No.	Catchment area in sq.miles	Value of C
(1)	(2)	(3)	(1)	(2)	(3)
1	2	4600	11	12	6300
2	3	4800	12	13	6400
3	4	5000	13	14	6500
4	5	5300	14	15	6600
5	6	5550	15	16	6700
6	7	5700	16	17	6775
7	8	5850	17	18	6850
8	9	6000	18	19	6925
9	10	6100	19	20	7000
10	11	6200			

When the flood discharge is worked out as indicated above the flood absorption capacity of the lake should not be taken into account in working out the spill-way capacity.

These orders apply to the Ex-Malguzari Tanks also.

R.D. GUPTE,
For Chief Engineer,
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