



WATER RESOURCES ACT
(Cap.72:03)
WATER RESOURCES REGULATIONS, 2018

(reg.49)
FORM E

DETAILS FOR STORAGE DAMS

Table 1: Classification of Dams

Class of Dam	Height of the Dam (m)	Capacity(m ³)
Very Small	0 – 4.5	<500,000
Small	>4.5-<8.0	< 1,000,000
Medium	>8.0-< 15.00	<5,000,000
Large	>15	>5,000,000

Table 2: Design and Supervision of Dam

Class of Dam	Category of Qualified Professional
Very Small	Water Engineer
Small	Registered Civil Engineer
Medium	Professional Dam Experts
Large	Professional Dam Experts

Table 3: Category of Dam Contractor

Class of Dam	Category of Dam Contractor
Very Small	15 Million Kwacha
Small	50 Million Kwacha
Medium	Unlimited
Large	Unlimited

Table 4: Dam Safety Inspection Schedule

Class of Dam	Frequency of inspection	Inspection by
Very Small	Once in 5 years	Water Engineer
Small	Once in 3 years	Registered Civil Engineer
Medium	Once every 2 years	Professional Engineer
Large	Once every year	Professional Engineer

Table 5: Minimum Spillway Design Flood for Dams

Class of Dam	Minimum Return Period for Design of Spillway
Very Small	1 in 20 years
Small	1 in 500 years
Medium	1 in 1000 years
Large	1 in 10,000 years