

Checklist For Flood Study

Name of Project :-

Region office :-

Circle office :-

Division Office :-

1)	Type of Dam	
2)	Maximum Height of dam	
3)	Type of Spillway	
4)	Source/Name of River	
5)	Location of project	
a)	State	
b)	Region	
c)	Basin	
d)	District	
e)	Taluka	
f)	Village	
g)	Latitude @ Gorge Portion	
h)	Longitude @ Gorge Portion	
6)	Catchment area in Sqkm	
a)	Attach C.A. plan with scale 1:50,000 or 1:2,50,000 showing location of the dam site, location of u/s projects with Submergence area marking etc	
b)	Free Catchment area	
c)	Intercepted Catchment area	
d)	Submergence area at FRL of each project shown in C.A.plan	
7)	Storages in MCM	
a)	Gross Storage	
b)	Dead Storage	
c)	Live Storage	
8)	Controlling Levels in m	
a)	TBL	
b)	MWL	
c)	FRL	

d)	MDDL	
e)	RBL with respect to Mean Sea Level	
f)	Crest Level	
9)	If Gated	
a)	No of gates	
b)	Size of Gates	
10)	If Ungated	
a)	Length of spillway/weir	
b)	Crest Level	
11)	Discharge in Cumecs	
a)	Design Spillway capacity in Cumecs	
b)	Maximum Observed Peak flood in Cumecs (mention year also)	
c)	Table of yearly peak flood discharge outflow in Cumecs	
12)	Storm Depth	
	<p>1) Obtain storm depth and distribution directly from IMD</p> <p>2) If there is variation in rainfall pattern in total catchment, Storm depth & distribution will not be applicable for total catchment .Make subzones of total catchment as per rainfall pattern i.e. heavy , moderate & low rainfall.Please check subzones from water planning flood division & obtain subzonewise storm depth from IMD and give sub zone wise storm depth & distribution</p>	
13)	For projects having River Gauging site nearby	
a)	Name of Gauging site (Mention CWC/State also)	
b)	Distance from project to River Gauging site in Sqkm	
c)	Catchment area upto River gauging site in Sqkm	
d)	Annual Peak Series for atleast 35 to 40 years	

14)	Area Capacity Curve / Table	
15)	Short Note on Project	
16)	Previous flood Study Done by CDO Y/N if Yes, then Mention Year	
if yes		
a)	Year of study	
b)	Type of Design Flood	
c)	Design Flood Value	
17)	Whether there are completed/under construction Major or Medium irrigation projects on U/S side in the catchment of project	
If yes		
Name of Project:-		
a)	Type of Dam	
b)	Maximum Height of dam	
c)	Type of Spillway	
d)	Source/Name of River	
e)	Location	
i)	State	
ii)	Region	
iii)	Basin	
iv)	District	
v)	Taluka	
vi)	Village	
vii)	Latitude @ Gorge Portion	
viii)	Longitude @ Gorge Portion	
f)	Catchment area in Sqkm	
i)	Free Catchment area	
ii)	Intercepted Catchment area	
iii)	Submergence area at FRL	
g)	Storages in MCM	
i)	Gross Storage	
ii)	Dead Storage	
iii)	Live Storage	

h)	Controlling Levels in m	
i)	TBL	
ii)	MWL	
iii)	FRL	
iv)	MDDL	
v)	RBL with respect to Mean Sea Level	
i)	If Gated	
i)	No of gates and Crest R.L in Meter	
ii)	Size of Gates	
j)	If Ungated	
i)	Length of spillway	
k)	Discharge	
i)	Design Spillway capacity in Cumecs	
ii)	Maximum Observed Peak flood in Cumecs (mention year also)	
iii)	Table of yearly peak flood discharge outflow in Cumecs	
l)	Area Capacity Curve / Table	
18)	Attach Water Availability Certificate (If Water Availability Certificate is not attached flood study will not taken in hand)	

Signature of
Executive Engineer In charge

Signature of
Superintending Engineer In charge

Signature of
Chief Engineer In charge