

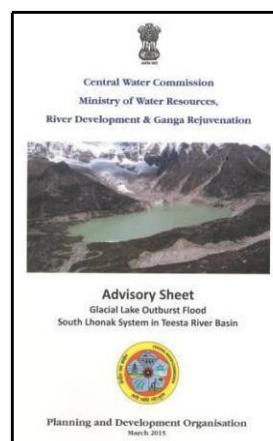
Glacial Lake Outburst Flood (GLOF) study of South Lhonak Lake in Sikkim:

Glacial lakes and water bodies having water spread area greater than 50 ha have been prioritize based on their location, size and human habitation & water resources project downstream for taking up "GLOF studies. Based on the above criteria, 16 Glacial lakes/ Water bodies have been prioritize for taking up GLOF study.

List of Glacial lakes/ Water bodies for taking up GLOF studies

#	Lake ID	Basin	River Catchment	Location		GL or WB	Ranking
1	03_78A_001	Brahmaputra	Teesta	27.99	88.82	GL	1
2	03_78A_014	Brahmaputra	Teesta	27.91	88.20	GL	2
3	03_77D_004	Brahmaputra	Teesta	28.01	88.71	GL	3
4	03_77D_002	Brahmaputra	Teesta	28.03	88.71	GL	4
5	03_77D_005	Brahmaputra	Teesta	28.01	88.70	GL	5
6	01_43J_017	Indus	Jhelum	34.43	74.92	WB	6
7	01_43K_014	Indus	Jhelum	33.51	74.77	WB	7
8	01_52J_001	Indus	Shyok	34.46	78.14	GL	8
9	01_43A_001	Indus	Gilgit	36.00	72.61	WB	9
10	01_42H_001	Indus	Gilgit	36.88	73.70	WB	10
11	01_52K_014	Indus	Indus	33.25	78.04	WB	11
12	01_52G_003	Indus	Indus	33.31	78.00	WB	
13	01_52K_016	Indus	Satluj	33.11	78.30	WB	12
14	01_43M_003	Indus	Shigar (Indus)	35.23	75.63	WB	13
15	01_43N_001	Indus	Shingo (Indus)	34.99	75.24	WB	14
16	01_42H_003	Indus	Gilgit	36.65	73.65	WB	15

In this context GLOF study of the first four glacial lakes (South Lhonak Lake System) in Sikkim in Teesta River Basin has been carried out and report in the form of Advisory Sheet has been prepared. This Advisory Sheet provides information about the various scenarios of Glacial Lake outburst and the corresponding rise in water level/discharges locations near human settlements and water resources projects. The advisory sheets has been given to National Disaster Management Authorities(NDMA) and State Government Authority for formulation of disaster management plan and creating awareness among the stakeholders including common public settled near critical river reaches and water resources project.



[Advisory Sheet Glacial Lake Outburst Flood South Lhonak System in Teesta River Basin\(Click here to download\).](#)