

Protecting Livelihoods and Assets at Risk from Glacial Lake Outburst Floods (GLOF) and Climate Change-Induced Flooding in Glacial River Basins of Nepal

Outputs and Proposed Project Budget (GCF Grant Request and Co-financing)

Total project budget is **49.94 million USD** out of which the budget requested from GCF is **36.1 mill USD** and the rest comes from various sources including government, UNDP and private sector. In addition, a substantive amount of parallel financing has been secured by local governments of the project area.

Outputs	Activity	GCF (\$)	Co-finance (\$)	Total (\$)	Responsible Parties
Output 1: Institutional and technical capacity strengthened to develop and integrate climate risk and hazard information into planning and development.	Activity 1.1: Strengthen the knowledge base and technical capacities for improved climate research and risk reduction strategies.	1,046,855	829,606	1,876,461	DHM, DOFSC, NDRRMA and UNDP
	Activity 1.2: Develop policy and financial mechanisms for sustainable GLOF and flood risk information services.	2,211,226	287,278	2,498,504	DHM, NDRRMA & UNDP
	Subtotal	3,258,081	1,116,885	4,374,966	
Output 2: Improved hazard monitoring and the generation and dissemination of early warnings to local communities and important economic sectors.	Activity 2.1: Improve observation network density in GLOF watersheds to strengthen the technical capacity of DHM for the monitoring of climate hazard and risk.	3,823,602	584,716	4,408,319	DHM, NDRRMA & UNDP
	Activity 2.2: Improve early warning systems to strengthen adaptive capacity and response to GLOFs and other climate hazards.	4,760,090	1,230,362	5,990,452	DHM, NDRRMA & UNDP
	Contingency for Activities 2.1 and 2.2		39,304	39,304	
	Subtotal	8,583,692	1,854,382	10,438,075	
Output 3: GLOF and flash flood risk and impact reduction measures implemented in priority glacial lake watersheds.	Activity 3.1: Lower the levels of four of the highest risk glacial lakes for GLOF Risk Reduction	11,976,515	4,889,868	16,866,383	DHM and UNDP
	Activity 3.2: Construct the Structural and non-structural flood risk reduction measures in the downstream of the glacial Lakes	1,102,913	340,641	1,443,554	DOFSC, NDRRMA & UNDP
	Activity 3.3: Implement eco-disaster risk reduction and nature-based solutions to reduce the impact of GLOFs and flash floods.	9,515,519	3,609,531	13,125,050	DOFSC, NDRRMA & UNDP
	Contingency for Activities 3.1, 3.2 and 3.3		199,713	199,713	
	Subtotal	22,594,946	9,039,754	31,634,700	
Outputs Subtotal		34,436,719	12,011,021	46,447,740	
PMU		1,721,511	1,774,799	3,496,310	
Grand Total		36,158,230	13,785,820*	49,944,050	

*As per Co-Financing Policy of GCF, only project period O&M Cost, Cash and In- Kind contribution is calculated. However, the letter of Ministry of Finance, the Co-Financing Commitment of Government of Nepal is \$20.78 million (MoF Letter: 24 Nov 2021).

Mobilization Co-Financing – Project and Post Project Period:

Institutions (Co-Financing)	In-kind	Cash	O&M (Project 5 years)	O&M (Post Project Period)	Parallel Co- Financing	Co-Financing Total (MoF Letter)
DHM	\$ 1,555,234.10	\$ 4,542,721.26	\$ 1,033,896.68	\$ 2,407,456.00	\$3,066,440.00	\$12,605,748.04
DNPWC	\$ 407,951.97	\$ -	\$		\$ 816,301.00	\$1,224,252.97
DoFSC	\$ 2,196,839.02	\$ -	\$ 607,448.00	\$ 1,214,896.00	\$ 1,525,424.00	\$5,544,607.02
IPPAN	\$ 261,299.10	\$ -	\$			
MoEWRI	\$ 293,245.00	\$ -	\$			\$293,245.00
MoFE	\$ 293,245.00	\$ -	\$			\$293,245.00
NDRRMA	\$	\$ 174,903.65	\$ 216,833.06	\$ 433,667.00		
NTB	\$ 58,334.00	\$ -	\$			\$825,403.71
UNDP Nepal		\$ 2,143,868.99				
Total	\$5,066,148.19	\$6,861,493.90	\$1,858,177.74	\$4,056,019.00	\$5,408,165.00	\$20,786,501.74
*Co-Financing (GCF)	\$14,285,820					

Parallel Co-financing from Local Government (Parallel) <ul style="list-style-type: none"> US\$ 24.33 Million from 15 Municipalities in Dudhkoshi Watershed US\$ 24.8 Million from 15 Municipalities in Arun Watershed US\$ 1.05 Million from Nasong Rural Municipality in Thulagi Watershed 	\$ 50.18 million	Project Municipalities
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