

Handover document

Handover of glacier monitoring equipment and tools by SWaRMA–ICIMOD to MEW, Afghanistan

Project summary

Region/district	Panjshir, Paryan, Afghanistan	
Project intervention	Glacier monitoring equipment and tools handover	
Project name and partners	Strengthening Water Resources Management in Afghanistan (SWaRMA) – International Centre for Integrated Mountain Development (ICIMOD)	Water Resources Department (WRD) – Ministry of Energy and Water MEW) and Kabul University (KU)
Handover document signing date		

Endorsement

SWaRMA, a two-year project supported by MEW – Government of Afghanistan and Government of Australia, is implemented by ICIMOD and the Commonwealth Scientific and Research Organization (CSIRO). The project aims to co-create learning opportunities to strengthen water resources management in Afghanistan through seven thematic areas by assessing water resources at various levels, monitoring cryosphere and flood at the community level, developing and using water information systems, fostering integrated river basin management, and supporting Afghanistan's regional engagement to showcase result-based outcomes.

The objective of the thematic area on cryosphere monitoring is to create a base for sustainable cryosphere monitoring system in Afghanistan. Capacity development activities were designed and customized for this purpose by building on existing resources and partners' capacities.

Pir-Yakh Glacier, a benchmark glacier in Afghanistan, was jointly selected by the project partners on the basis of international criteria, local knowledge, and previous field experience of the Afghan partners. Two experts from MEW were trained for field-based glacier monitoring on a glacier in Nepal. In addition, one representative from KU with previous field experience attended a week-long theoretical training programme with MEW representatives in 2018. After these training programmes, MEW formed a seven-member field team consisting of its own staff and partners from KU. A week-long refresher training on field techniques, along with a demonstration of field equipment, was conducted for four participants from Afghanistan in 2019.

As glacier monitoring is a new activity for the WRD, it officially requested ICIMOD for glacier monitoring instruments and equipment to initiate a glacier monitoring programme at the identified benchmark glacier. In response to the request, ICIMOD has procured glacier monitoring equipment and instruments, including mountaineering gear, to setup a glacier monitoring programme at Pir-Yakh Glacier.

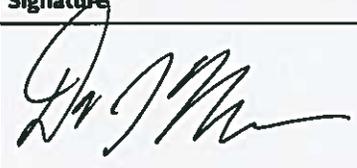
The procured equipment and instruments, including

No.	Items	Units
1	First aid medical kit	2
2	Chain crampons	4
3	GPS Garmin 64S	2
4	Digital camera (20.1 mega pixel, 10 GB) and tripod	1
5	Tent with mattress	2
6	Mountaineering boots	4
7	Harness	4
8	Helmet	4
9	Rope	2
10	Ice screw	4
11	Ice axe	4
12	Carabiner (lock and unlock)	16
13	Belay device	4
14	Legging gaiter	4
15	Rucksack	4
16	Water bottle and thermos	4
17	Oxygen cylinder (4 l) with mask regulator	2
18	Kovacs ice auger with five flights, accessories, and adaptor (drill adaptor, 1 m rod, HS bit, blade, Allen wrench, and hand brace)	1 set
19	HOBO temp and rain gauge sensors with data loggers (AWS – 1 unit, PLS – 2 units, temperature and precipitation – 4 units, logger – 2 units, including mast and data port – 1 set)	1 set
20	Compass (Silva)	2
21	Wind and rain set	4
22	Walking stick	4
23	Chargeable head lamp	4
24	Luggage bag	4
25	Sleeping bag	4
26	Satellite telephone (Thuraya)	1
27	Binoculars	1
28	Down jacket	4
29	Trip cooking dishes	1 set
30	Hilly drilling machine with extra battery and box	1

Handover statement

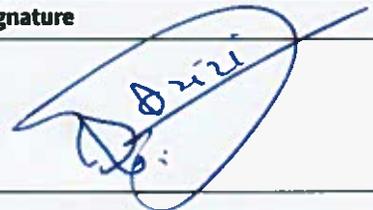
On 22 November 2019, during the third Steering Committee meeting of SWaRMA-ICIMOD in Dubai, UAE, SWaRMA-ICIMOD handed over all the above listed items to WRD, MEW, Government of Afghanistan.

SWaRMA-ICIMOD representative:

Name	Position	Signature
David Molden	Director General, ICIMOD	

The WRD, MEW, Afghanistan, hereby takes charge of all the above listed items from SWaRMA-ICIMOD.

WRD, MEW representative:

Name	Position	Signature
Fayezurahman Azizi	General Director, WRD, MEW	

Witness

SWaRMA-ICIMOD representative:

Name	Position	Signature
Arun Bhakta Shrestha	Regional Programme Manager, River Basins and Cryosphere, ICIMOD	

WRD, MEW representative:

Name	Position	Signature
Mohammad Tayib Bromand	Water Resources and Climate Change Adaptation Specialist, WRD, MEW	