

United Nations Development Programme



[January 14, 2021]

Dear Ms. Ellis,

Please refer to the cost sharing agreement signed between the United Nations Development Programme (UNDP) Pakistan and the Global Water Challenge (GWC) (November 30, 2018) and Change Order (June 18, 2020) for implementation of the project entitled "Water Security and Building Resilience for Mountain Communities" in collaboration with Mountain and Glacier Protection Organization (MGPO).

The final report of the project is submitted for your kind review. We would like to request you to release the final tranche amounting USD 12,000 as per the agreement.

Yours sincerely,

A small, square, light gray box containing a handwritten signature in black ink, which appears to be 'K.O.' or similar initials.

Knut Ostby
Resident Representative

Ms. Monica Ellis
CEO
Global Water Challenge
2900 South Quincy Street, Ste 375
Arlington, VA 22206

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NWP Final Report Template

In addition to the completion of the table below at the project's mid-term point, the grantee will be required to complete and submit the Financial Reporting Template.

Grantee	UNDP/ Mountain and Glacier Protection Organization		
Project Title	Water Security and Building Resilience for Mountain Communities		
Country	Pakistan		
Reporting Period (From-To)	Jan 2020- September 2020		
Project Completion	30 September 2020		
Project Funding (USD) In the table below; please indicate the amount of funding from each partner. Include the NWP funding contributions as well as external funding partners and contributions by implementing partners, communities, and others.			
Partner Name	Role	Financial Contribution	In-Kind Contribution
NWP	Donor	\$ 120,000/-	
MGPO	Implementing partner		\$ 7482/-
Community			\$ 22237/-
Submission Date	30 September 2020		
<p>I, <Muhammad Usman Manzoor>, acting as the Authorized Person of the <United Nations Development Programme> confirm and certify that the information contained in this Final Progress Report is correct and accurate to the best of my knowledge.</p>			
Prepared by (Name and Signature):			Date:
Usman Manzoor <i>Usman Manzoor</i>			14-Jan-2021



Summary of results achieved during the reporting period (200 words/ 500 words in case of final report)

Project entitled “Water Security and Building Resilience for Mountain Communities” was initiated in July 2019, in village Tholdi, District Khaplu, Gilgit Baltistan. GPS coordinates of target site are: **35 12 40.98 N 76 28 46.80 E**

The project serves an un-served and under-served mountain community living in a remote area.

The project has six major deliverables **1) Community mobilization, 2) Training and Capacity Building, 3) Gender empowerment/inclusion, 4) Construction of irrigation channel, 5). 238 hectares** land to be converted to farmland through irrigation **6) 2.57 billion liters** of water replenished back to nature and community) to achieve its objective of providing integrated water resource management for food security. The project suffered a two month (**March-April 2020**) set back due to COVID 19. Work was resumed on **1 May 2020** with PPE’s to ensure safety of staff, labor and community. This included temporary hand washing points, masks and soap. The PPE measures were provided through a separate funding line made available by GWC for COVID-19 response.

The project successfully completed all targets **and is handed over to community**. Under the project a democratic and trained representative for community has been formulated with gender inclusion for decision making. Community decisions are taken collectively and by consensus.

The quality of work has been maintained through monitoring by local community and administration. This project has built community stewardship and control over water resources along with increased sustainability. A sense of responsibility and accountability has been inculcated in the community through the social mobilization and capacity building. The reports for the trainings and sessions area provided in annexures.

Now the community has reliable access to water for irrigating **238 hectares** land. The additional land under cultivation will accrue economic, social and environmental benefits to the community along with nature reducing vulnerability and strengthening adaptive resilience to climate change. The community has prepared terraces for agricultural use and planted **450 trees**.

One of the key targets included delivering a gravitational flow irrigation scheme with a combination of underground pipe (**7700 RFT**) and surface paved channel (**2200 RFT**) to existing 147 hectares and bringing **91 barren hectares** under cultivation with a **7000 gallon** covered tank for water storage.

Before the scheme the community was using water from snow melt transported to the field via earth cut channels. The storage tank is providing easy access to water through paved water channels which distribute water to the cultivated land alongside new terraces built on barren land. The crops being be cultivated include, barley, corn, wheat, onions, tomatoes and potatoes. With more land under crop cultivation and a reliable source of water for agriculture the community plans to diversify and grow other types of vegetables next season. Building community stewardship of water resources to enhance socio-economic and environmental wellbeing through value creation and replenishment benefits.



The community now has better linkages with local authorities and is mobilized to play a more active role in voicing its concerns and building on the principles of social, ecological and democratic equity to plot a more ambitious trajectory for its future sustainable growth and development.

The annual water replenishment value is **2.5 billion liters (calculations attached as Annex-I)**

Number	Indicator	Beneficiary Group	Mid-term Outcome	End Line Outcome
1	Total # of people with full access ¹ to improved water service levels for household use (The project is not for drinking or domestic purposes; the community does collect water for the domestic purposes which includes basic hygiene and cleaning)	# of Males	N/A	N/A
		# of Females	N/A	N/A
2	Total # of people with access to improved water service levels ² (This project provides improved water access in form of irrigation)	# of Males	504	628
		# of Females	546	872
		# of School Boys	190	380
		# of School Girls	110	220
		# of Clinic Patients & Workers	NA	NA
		# of Females	NA	NA
6	# of people economically empowered through project activities (This includes the male female community members employed during project in short and long term)	# of Males	80	500
		# of Females	51	500
7	Improvement in environmental integrity of target area (SDG 13)	Land planted with fruit trees		30.3 hectares
		Hectares for rangeland cultivation		25.29 hectares

¹ Full access is defined by a minimum 20 liters of water/day/person for drinking and domestic uses of cooking, cleaning, and basic hygiene.

² An overall improvement of water service level determined by the quality, quantity, reliability, affordability, and time to collect. Service levels are categorized as inadequate, basic, medium, or high. All water sources must meet minimum quantity and national quality standards.



Number	Indicator	Beneficiary Group	Mid-term Outcome	End Line Outcome
		Trees planted		80.8 hectares
		Crop cultivation		101.61 hectares
7	Total # of people with lives positively transformed through water-based initiatives	Total #	1050	2100
		# of Communities	-	-
		# of Schools	-	-
		# of Clinics	-	-
8	Total # of locations impacted by the NWP project	# of Locations	1	1
9	# of hectares under improved management	# under Watershed Protection	68	136
		# under Improved Agricultural Practices	50.8	101.61
10	% of annual operations and maintenance costs recovered	% of Annual Costs Recovered	50%	100%
11	% of Water Management Committees (WMC) with knowledge of contacts for repairs that they cannot complete themselves	% of WMC with Contacts	2 water management committees (WMC) with 50% knowledge of contacts	2 water management committees (WMC) with 100% knowledge of contacts



INTENDED OUTPUTS	ACTIVITIES	OUTCOMES	LESSONS LEARNT
<p>Output 1:</p> <p>Build stakeholder consensus and the capacity of Community Organization with an inclusive and gender responsive institutional framework</p>	<p>1.1. Inception workshop with all stakeholders (conducted on 9 August 2019, 21 total, 15 Males and 6 Females participated)</p> <p>1.2. Consultative dialogue with all stakeholders to build consensus (21 July 2019)</p> <p>1.3. Development of Terms of Reference for each partner (21 July 2019)</p> <p>1.4. Signing of Terms of Agreements between all partners</p> <p>-----</p> <p>1.5. Organize 3 meetings between local authority and local community to promote participatory development practices (21 July 2019, 23 July 2019, 27 July 2019)</p> <p>1.6. Training sessions on synergies, linkages and benefits of collaborative approaches</p> <p>1.7. Restructure community organization to select community organization members (22 July 2019)</p>	<p>-The inception workshop served as ice breaking activity of long-awaited intervention in the area. The community is ultra-poor and no previous development work has been completed in the area (Annex VI)</p> <p>-The training sessions and workshops have contributed in capacity building of the community members in terms of operations and maintenance of project alongside sustainable management of natural resources (Annex II)</p>	<p>-The community organizations function better when the women representation is ensured</p> <p>-There is a need to work on provision of drinking water in the area</p> <p>-Community response towards interventions was overwhelming which ensured the timely completion of interventions amidst pandemic</p>



	<p>1.8. Sign Terms of Partnership with elected community members(23 July 2019)</p> <p>1.9. Develop TORs for elected community members and committee members (signed on 23 July 2019)</p> <p>1.10. Form committees (management, procurement, monitoring, operation/ maintenance) (23 July 2019)</p> <p>(management/environment(3 members 1 female 2 male) , procurement (3 members 1 female 2 male), monitoring(3 members 1 female 2 male) , operation/ maintenance) (3 members 1 female 2 male)</p> <p>1.11 Identify local activists for social mobilization activities</p> <p>1.12 Conduct three training workshops on: Community management skills development on operations (planning, decision making, management, procurement, maintenance, sustainability), Internal governance (meetings, resolution, minutes), Financial management (procurement, book keeping), Service delivery (quality assurance, work plan, timeline, monitoring).(6-9 July 2020)</p> <p>1.13. Efficient water resource management</p> <p>1.14 sustainable natural resource</p>		
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	<p>management</p> <p>1.15 Operation & maintenance of proposed scheme</p> <p>1.16 Climate compatible development</p> <p>1.17 Sustainable management of water resources</p> <p>1.18 Importance of water conservation and replenishment</p>		
<p>Output 2:</p> <p>Develop project technical feasibility and design for irrigation system</p>	<p>2.1. Conduct technical survey(27 July 2019)</p> <p>2.2. Develop technical layout using local knowledge and PRA tools (27 July 2019)</p> <p>2.3. Develop site specific mitigation measures on need basis</p> <p>2.4. Develop technical design and layout plan for irrigation system (28 July 2019)</p> <p>2.5. Share design with local authority, local community and obtain consent from both (1 August 2019)</p> <p>2.6. Develop work plan in consultation with local community with milestones, timelines, roles/responsibilities and means of verification (1 August 2019)</p> <p>2.7. Procurement of pipes (6 November 2019)</p> <p>2.8. Construction of catchment chamber (May 2020)</p> <p>2.9. Excavation for pipe placement</p>	<p>- Technical layout of the project was developed in close coordination with community (BOQs, x-sections, site plan is attached as Annex III)</p> <p>- Project activities in form of pictures are also provided at the end of report (Picture Gallery)</p>	<p>-Community ownership is better ensured when they have substantial role in the implementation of project</p> <p>-The pipe laying and excavation were mapped in holistic manner with the community involvement</p>



	<p>in trenches (May 2020)</p> <p>2.10 Laying and jointing of pipe (May 2020)</p> <p>2.11 Transmission of water for agriculture</p> <p>2.12. Quantified availability of water at the discharge rate 2.918 cusec per second. 2.57 billion liters will be replenished per annum</p>		
<p>Output 3:</p> <p>Employ a gender equitable approach to raise awareness and disseminate information about climate-smart mitigation and adaptation approaches.</p> <p>with gender equity</p>	<p>5) One-day awareness sessions on: (6-9 July 2020)</p> <p>3.1. Sustainable management of water resource (SDG 6)</p> <p>3.2. Role of women in sustainable management of water resources (Gender empowerment SDG 5)</p> <p>3.3. Importance of environmental protection and ecosystem goods and services</p> <p>3.4. Human activity and climate change</p> <p>3.5. Climate change, risks mitigation and adaptation (Climate Action SDG13)</p>	<p>-Awareness among the communities has been increased in terms of sustainable use of natural resources</p> <p>-Awareness Sessions report is attached as Annex IV and V</p> <p>-The participants have committed to spread the information gained through the awareness sessions and walk</p>	<p>-Awareness plays a key role in the ultra-poor communities wherein the education is already low. neither the community has access to basic facilitates</p> <p>-Community members are the best change agents in terms of behavior and can play a substantial role in spreading the information to nearby areas.</p>



Photo Gallery



The project Site Tholdi before the implementation of Project i.e. Barren Rock



Excavation for the water channel (Left)



Laying of Pipe (Right)



Terraces Developed and irrigated (Left)



Water Storage tank (Left)



Water Channel for irrigation of fields(right)



Women Working in the terraces developed (post implementation)



New World Financial Report

Project Name:	Climate Change Adaption & Mitigation (Activity "Water Security and Building Resilience for Mountain Communities") Project # 00075411, Output # 00116110			
Project Duration:				
Invoice Date:	Final Report 4th Gen (Period July 2019 to Nov 2020)			
Grant Funding	Tranche 1	Tranche 2	Tranche 3	Grant Summary
Date Received	07/31/19			
Total Funds Received	\$ 60,000.00	\$ 48,000.00	\$ -	\$ 108,000.00
Balance from Previous Funds Received	\$ -	\$ 3,342.83	\$ 550.58	
Total Funds Available	\$ 60,000.00	\$ 51,342.83	\$ 550.58	\$ 108,000.00
Expenditures				
Labor/Personnel Costs	\$ 5,259.78	\$ 11,521.45	\$ -	\$ 16,781.23
Subcontracted Costs	\$ -	\$ -	\$ -	\$ -
Travel Costs	\$ 1,352.75	\$ 2,336.05	\$ -	\$ 3,688.80
Other Direct Costs	\$ 1,292.04	\$ 2,359.68	\$ -	\$ 3,651.72
Training of Counterparts	\$ 523.89	\$ 1,001.80	\$ 570.36	\$ 2,096.05
Equipment and Supplies	\$ 43,832.57	\$ 30,010.19	\$ 11,448.74	\$ 85,291.51
Administrative Costs, Indirect Costs		\$ -	\$ -	\$ -
Total Costs	\$ 52,261.03	\$ 47,229.17	\$ 12,019.11	\$ 111,509.31
UNDP GMS	\$ 4,396.14	\$ 3,563.08	\$ 961.52	\$ 8,920.74
UNDP Expenses	\$ -	\$ -	\$ -	\$ -
Balance	\$ 3,342.83	\$ 550.58	\$ (12,430.05)	\$ (12,430.05)

COMMON BASELINE

BASELINE SURVEY					
These indicators can be used to collect baseline data on the population to be reached through NWP project activities		Data	Explanation (If Needed)	Source	
Baseline Indicators: Community Assessment		Community population	2240	Community	
		% Female Adults (over 24)	30%		
		% Male Adults (over 24)	25%		
	1		% Female Youth (15-24)	10%	
			% Male Youth (15-24)	10%	
			% Female Children (5-15)	10%	
			% Male Children (5-15)	7%	
			% Female Children (0-5)	5%	
			% Male Children (0-5)	3%	
		2	Number of households in community, average household size	300	Average 7
	3	Proportion of population below international poverty line	70%		
	4	Geographic size of area included under program activities	238 hectares		
	5	Rural, urban, or peri-urban?	Rural		
	6		Percent of population employed outside the home	3%	
			Males 16-24 (agricultural labor)	10%	
			Males 16-24 (non-agricultural labor)	15%	
			Males over 24 (agricultural labor)	N/A	
			Males over 24 (non-agricultural labor)	15%	
			Females 16-24 (agricultural labor)	10%	
			Females 16-24 (non-agricultural labor)	N/A	
			Females over 24 (agricultural labor)	30%	
		Females over 24 (non-agricultural labor)	N/A		
	7	Number of schools within community	2		
8		Total number of students in school	300		
		% Male Students	45%		
		% Female Students	55%		
9	Proportion of youth (aged 15–24 years) not in education, employment or training	8%			

COMMON CORE INDICATORS

Indicators used to measure project impact; Common core indicators apply to all NWP projects, regardless of intervention type

Each column should be completed with figures reached during that reporting period (i.e. June 2019 - June 2020)

		Target	Jul.19	Sep.19	Nov.19	Jän.20	Mär.20	Mai.20	Jun.20	Sep.20	Outcome	
General	1	Number households benefitting directly from project	300	22	45	70	95	30	170	260	300	300
	2	Number of schools benefitting directly from project	N/A	0	0	0	0	0	0	0	N/A	N/A
		Number of community members benefitting directly from project	2100	222	484	770	970	1075	1390	1855	2100	2100
	3	Men	795	56	150	210	310	340	480	750	795	795
		Women	800	67	156	220	280	320	450	610	800	800
		Boys	240	54	96	190	200	215	230	240	240	240
		Girls	265	45	82	150	180	200	230	255	265	265
	4	Number of people benefitting indirectly from project (must explain how indirect benefit is achieved through project activities)	800								800	800
		Men	720								720	720
		Women	80								80	80
Boys		N/A								N/A	N/A	
Girls		N/A								N/A	N/A	
Training	5	Number of people who received training through project activities	200	30	98	129	147	155	175	190	200	200
		Men	70	10	39	45	55	58	61	64	70	70
		Women	85	9	40	56	60	66	71	77	85	85
		Boys	25	7	14	20	21	21	22	24	25	25
	6	Girls	20	4	5	8	11	12	15	18	20	20
		Number of people who received "Train the Trainer" style trainings to facilitate project dissemination	12								12	12
		Men	7								7	7
		Women	5								5	5
		Boys	N/A								N/A	N/A
		Girls	N/A								N/A	N/A
Economy	7	Number of people employed through project activities	1000	67	95	118	131	133	250	850	1000	1000
		Short-Term (work that is completed within project duration)	300	67	95	118	131	138	200	250	300	300
		Males between 16-24	60	25	30	40	42	45	50	56	60	60
		Males over 24	100	10	24	35	38	40	65	88	100	100
		Females between 16-24	40	4	5	9	11	13	27	32	40	40
		Females over 24	100	8	20	34	40	42	68	87	100	100
		Long-Term (work that will extend beyond project duration)	700								700	700
		Males between 16-24	140								140	140
		Males over 24	200								200	200
		Females between 16-24	120								120	120
	Females over 24	240								240	240	
	8	Number of people receiving skills development training that promotes current or future employment opportunities	100	14	26	40	50	55	69	91	100	100
		Males between 16-24	35	5	6	9	10	12	25	31	35	35
		Males over 24	20	4	7	9	10	13	16	18	20	20
		Females between 16-24	18	2	5	10	12	13	16	17	18	18
Females over 24		27	3	8	12	12	13	19	22	27	27	
9	Number of women placed in leadership roles through project activities	12	3	4	6	6	6	8	10	12	12	
Environment	10	Increase in renewable energy as a result of project activities	N/A								N/A	N/A
	11	Number of hectares under productive and sustainable agriculture as a result of project activities	238 Hectares								238 Hectares	238 Hectares
		Reduction in amount of highly toxic pesticides (e.g organophosphates) applied to crops as a result of project activities (by volume)	60%								60%	60%
	13	Hectares under improved water resource, watershed, or forestry management as a result of project activities	238 Hectares								238 Hectares	238 Hectares
		Increase in water-use efficiency as a result of project activities	Yes								Yes	Yes
	15	Total amount of New World funding used for development, transfer, dissemination or diffusion of environmentally sound technologies										

It includes labor acquired during the terraces formation from nearby communities. Also goods and crop yield are been sold in the locality by the community.

Project Sustainability		Number of partnerships established or strengthened through project activities	3			3		3	3	3	3	
		Community organizations (WMCs, Cooperatives, etc.)	1			1		1	1	1	1	
	16	Municipal/Regional Government	1			1		1	1	1	1	
		National Government	N/A							N/A	N/A	
		NGOs	1							1	1	
	17	Number of partners with long-term investment (labor and/or resources) in project	3							3	3	
	18	Additional amount of (non-New World) funding provided by external partners	N/A							N/A	N/A	
	19	Number of community members capable of continuing to implement project objectives independently upon project conclusion	20			11		12	14	16	20	20

