

1.1 Appendix-A:

This questionnaire is designed for MPhil thesis entitled “**Vulnerability and Adaptability assessment to climatic stress: a case study of district swat**”. The information collected through this questionnaire will use purely for academic research and will remain confidential.

S.NO_____

Section 1: Basic information, dwelling and location

a) Respondent information

Name of the Respondent_____

Age of respondent _____

Name of Union council (UC) _____

Name of village _____

b) Housing characteristics

Question code	Question	Response	Code
	House ownership		1 Personal 2 rented
	What is the chief source of cooking power in this household?		1 Firewood 2 Charcoal 3 Kerosene 4 Other
	What is the main source of domestic water for the household?		1 Spring/Stream/River 2 Public pipe / Piped water from somewhere else 3 Pipe in the house 4 Other

	Quality of household head' s house		1 Mud-walled & Grass Thatched 2 Iron sheet-/Mud-walled & iron sheet roofed 3 Semi-permanent: Iron sheets; Mud & Concrete and Cement 4 Permanent : Iron sheets/Tiles; Bricks/Concrete/Stone and Cement
	Distance to nearest access road (not foot path) in meters		
	Distance to nearest market (in km)		
	Distance to the divisional headquarters		
	Do you have any type of safety net around your house?		1 Yes 2 No

Section 2: Basic individual characteristics (all individuals, including ALL children, house help - start with household head)

ID	Relationship to household head	Age	Sex	Marital status	Health status	Literacy status	Education & Training (highest level)	Year s of education	Occupational status
	1 Household head 2 Spouse of head 3 Child 4 Grandparent 5 Other relatives		1 female 2 male	1 Single 2 Married 3 Widowed 4 Divorced	1 100% fit 2 Disabled 3 Terminally	1 Neither read nor Write 2 Read only	1 No formal schooling 2 Primary incomplete 3 Primary complete		1 Too young (up to 12)/ too old to work 2 student 3 unemployed 4 occupied

	6 Others				ill 4 other	3 Write only 4 Read and write	4 Secondary incomplete 5 Secondary complete 6 Vocational training 7 University		5 housework If 4: Fill section 3 for this member now
1									
2									
3									
4									
5									
6									
7									

	Household size (should be consistent with the above table, repeat this number to the respondent in order to make sure you did not forget anybody)	
	No of dependents and code: (Adult Equivalent; <6 = 0.25, <12 = 0.5, <18 = 0.75 & >18 = 1: (1) < 3, (2) 3 - 6, (3) 7-10 & (4) > 10	
	Number of members suffering from long term illness such as TB, Cancer, Diabetes <i>et cetera</i>	
	Age of household head (1) < 30 (2) 30 - 40 (3) 40 - 50 (4) > 50	

	Level of education of household head (same codes education and trainings above)	
	Level of education of highest educated household member other than head(same codes as above)	
	Availability of high school in village?	1 Yes 2 No
	Distance form college and university	

Section 3: Job characteristics (DON'T FORGET TO PUT THE NUMBER OF THE INDIVIDUAL FROM SECTION 2 FIRST)

ID s2	Main occupation	How many days per week in this Occupation?	How much do you earn monthly in this occupation (in Rs) (ONLY IF EMPLOYEE/WORKER)?	Secondary Occupation	How many days per week in this occupation?	How much monthly in occupation (ONLY IF EMPLOYEE)
	1 Farmer 2Employee/Worker 3Non-agricultural self-employment /employer 4Non-paid household member		Only one entry per individual	1 Farmer 2Employee/Worker 3 Non-agricultural self-employment /employer 4 Non-paid household member		

Section 4: Land ownership and use (Go to section 5 if household does not have land)

Question code	Question	Response	Code
	Do you own your land or is it rented?		1 Owned 2 Rented (Go to s5q4)
	Which type of land rights do you hold?		1 Title deed 2 Customary rights 3 Other
	Total land size of your owned land (in acres)		
	Do you have separate parcels of land, if yes, how many?		1 No 2 One 3 Two 4 Three or more
	When you started farming how did you acquire your land?		1 Inherited 2 Bought 3 Rented 4 Government allocation

			5 Other
	Since you started your farm, how has the size of the farm changed?		1 Increased 2 Decreased 3 Stayed constant
	How have these changes occurred?		1 Sold out land 2 Bought land 3 Rented land 4 Divided land 5 Inherited land 6 Loss of land due to erosion 7 Other
	Do you have life insurance?		1 Yes 2 No
	Do you have property insurance?		1 Yes 2 No

Section 7: Other income sources (and migration)

Question code	Question	Response	Code
	Renting out land or property per month (in Rs)		
	Pension payments per month (in Rs)		
	Other income (interest earnings, dividends etc. per month , other public transfers e.g.unemployment benefits) per month (in Rs)		

	How many former household members have migrated during the last 10 years?		
	What is the amount the household receives from family members living abroad (in Rs)?		
	Amount receive from members working in another city		
	Today you rely more or less on remittances than three years ago?		1 More 2 Less 3 Same

ACCESS TO HOSPITALS:

Question code	Question	Response	Code
	Does basic health care unit available at your village		1 Yes 2 No (if no go to next question)
	What is the distance of big hospital from your village?		

Section 6: Assets and Livestock

	s8q1			
	Type of assets	Quantity	Value as of today	Today you own more/less/same of this asset compared to three years ago?

				1 More 2 Less 3 Same
1	Cows			
2	Chicken/other poultry			
3	Goats			
4	Radio			
5	Television			
6	Bicycle			
7	Motorbike			
8	Mobile phone			
9	Rental shops/houses			
10	Sofa sets			
11	Generator			
12	Cars			
13	Tractor			
14	Others			

Section 7: Agriculture/Farming and other sources of income

Question code	Question	Response	Code
	Contribution of Farming to Household income		1 Main base of Livelihood 2 Equally important base alongside other(s)

			3 Not a significant base for livelihood
	How many significant (at least 20% of total income) sources of income does the household have?		1 One 2 Two 3 Three 4 More than Three

Section 8: The role of the forest

Question code	Question	Response	Code
	Do you think the forest near you is important?		1 Yes 2 No
	How often do household members go into the forest?		1 Never (Go to next section) 2 Once a year 3 Once every month 4 Once a week 5 Several times a w
	Why, major reason?		1 Collect firewood 2 Touring or Leisure 3 Collecting herbs 4 Cattle grazing 5 Land cultivation 6 Employment 7 Water collection 8 Wild honey

			9 Charcoal burning 10 Timber, plywood, seedlings 11 Education 12 Other
	Do you have rights to use the forest resources		1 yes 2 no
	Apart from the forest, to which other common property do you have rights?		1 None 2 Grazingland 3 Other

Section 9: Social Capital and Networking

Question code	Question	Response	Code
	Is anybody of this household a member of a credit scheme or group?		1 Yes 2 No
	Does the household have an outstanding loan or have you borrowed money during the last 12 months?		1 Yes 2 No (Go to s12bq4)
	This loan is given by		1 Neighbors or friends 2 Savings group 3 Other microfinance institutions 4 Cooperatives 5 Banks

			6 Other
	Banks available in your area		1 Yes 2 No
	Is anybody of this household a member of a farmers' organization?		1 Yes 2 No
	Are you a part of any micro finance credit scheme?		1 Yes 2 No
	Is anybody of this household a member of a self-help group?		1 Yes 2 No
	Does the household have somebody located at the district/provincial headquarters or at least 50 km away on which it can rely to bail it out on short notice in case of an emergency?		1 Yes 2 No
	What is the composition of the household's social network?		1 Family& friends outside the household 2. 1 and Traditional leadership within the village 3 1, 2 and lower formal government: Assistantchief, chief, councilor
	Richness of contacts and/or groups with which a household has links		1

			<p>Contacts are resource poorer than the household</p> <p>2 Low resource access</p> <p>3 Medium-level access</p> <p>4 High access level</p>
	In a worst case scenario, can the household rely on friends and relatives to survive fortemporary period as long as the tough period persists?		<p>1 Yes</p> <p>2 No</p>

Section 10: Shocks and Natural as well as Institutional Environment

	S13q1	Code		Code	
	Shocks: Has the household been negatively affected by the following events within the past 5 years?	<p>1 Yes</p> <p>2 No</p>	Rank the 3 most important shocks	<p>1 Most severe</p> <p>2 Second most severe</p> <p>3 Third most Severe</p>	When did shock(s) occur (Year)?
1	Drought related crop failure				
2	Weather related loss of livestock				
3	Floods				
4	Wind destruction				

5	Epidemics related to weather/climate change				
6	Crop diseases or pests				
7	Livestock died or stolen				
8	Business failure or loss of job				
9	Large fall in prices for crops				
10	Large rise in food prices				
11	Large rise in agricultural input prices				
12	severe illness of working household member				
13	Death of working household member				
14	Restricted access to forest resources				

S13q4	What did the household do to pull out of the past (weather-event-related) shocks?	1 Reduced consumption/expenditure 2 Assisted by relatives and friends 3 Borrowed from contacts/institutions 4 Sold some assets 5 Other

	Can the respondent describe any signs of environmental stress based on the experience of the past 5 years?	Rank the 3 most visible/important signs	
		1 Yes	1 most severe
		2 No	2 second most severe
			3 third most severe
Drier weather			
Soil erosion			
Soil degradation			
Flood			
Deforestation			

	Other than firewood, what other sources of cooking energy does the household use	1 Charcoal 2 Kerosene (in stoves) 3 Gas 4 Electricity 5 Other
	What can the government and/or private organizations do better in order to help mitigate the challenges posed by environmental stress?	1 Provide more awareness creation 2 Provide more extension services 3 Provide alternative sources of energy 4 Other (Specify)

Section 11; Labor input, extension, and technology

Question code	Question	Response	Code
	What is the main source of agricultural information?		1 Agricultural extension 2 Community based organizations 3 NGOs 4 mosques 5 Farmer groups/farmer associations 6 Other 7 None
	Does agriculture extension worker visits your area?		1 Yes 2 No
	How often are you visited by an agricultural extension officer?		1 Not at all 2 1 or 2 times in the past 5 years 3 Once every year 4 Once every month 5 Weekly
	Sources of climate related information		1 TV 2 internet 3 newspapers 4 NGO's 5 others

	Subsidy from government after floods?		1 Yes 2 No
	Availability of material to build flood resistant houses?		1 Yes 2 No
	Willingness to move away from flood prone area if land at safe site provided?		1 Yes 2 No

	Flood affects your village		1 Yes 2 No
	Do you get affected?		1 Yes 2 No
	Do you start diversifying your income sources after flood?		1 Yes 2 No
	Do you start any business after flood?		1 Yes 2 No
	Do you take any initiative to remain safe from flood in future?		