

Sphere India- Heatwave Risk Assessment Household Survey Questionnaire				Date of Assessment:		To be Used by the: Volunteers To be used at the: Household Level			
District	Block	Ward/Village / Hamlet	Name of the Person Interviewed	Contact Number	No. of Family Members				
					Adult (Male)	Adult (Female)	Children (Male)	Children (Female)	Others
Location		Latitude		Longitude		Altitude			
Dominant Family Occupation				<input type="radio"/> Farming <input type="radio"/> Fishing <input type="radio"/> Registered self-employed <input type="radio"/> Unregistered self-employed <input type="radio"/> Migrant worker <input type="radio"/> Salaried <input type="radio"/> Other, specify _____					
HH Income (INR)				<input type="radio"/> Below 5000 <input type="radio"/> 5000-10,000 <input type="radio"/> 10,000-25,000 <input type="radio"/> 25,000+					
Community				<input type="radio"/> SC <input type="radio"/> ST <input type="radio"/> OBC <input type="radio"/> General					
Impact of Heatwave on Human Health									
Did any of your family member succumb to Heatwave?				<input type="radio"/> Yes <input type="radio"/> No If yes, how many members? _____					
Did any of your family member suffered heat-related illness due to heat wave?				<input type="radio"/> Yes <input type="radio"/> No					
If Yes, what specific heat illness were faced?				Select from below:					
a. Heat Rash				<input type="radio"/> Yes <input type="radio"/> No If yes, how many members? _____					
b. Heat cramps				<input type="radio"/> Yes <input type="radio"/> No If yes, how many members? _____					
c. Heat exhaustion				<input type="radio"/> Yes <input type="radio"/> No If yes, how many members? _____					
d. Heat Stroke				<input type="radio"/> Yes <input type="radio"/> No If yes, how many members? _____					
e. Hyperthermia				<input type="radio"/> Yes <input type="radio"/> No If yes, how many members? _____					
Did your family faced or are facing any public health impacts of heatwave?				<input type="radio"/> Yes <input type="radio"/> No					
If Yes, what specific public health impacts were/are faced?				Select from below:					
a. Food-borne disease (due to stresses in food production)				<input type="radio"/> Yes <input type="radio"/> No					
b. Food-borne illness (due to lack of power to refrigerate food)				<input type="radio"/> Yes <input type="radio"/> No					



c. Untreated water-related illness (due to power shutdown in water treatment facilities)	<input type="radio"/> Yes <input type="radio"/> No
d. Vector-borne disease like dengue (due to long term heatwaves)	<input type="radio"/> Yes <input type="radio"/> No
e. Sewerage overflow-related illness (due to operational failure of sewerage pumps)	<input type="radio"/> Yes <input type="radio"/> No
Did any of your family member suffered mental health effects of heat wave?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, please specify the Mental, behavioral and cognitive disorders faced?	

Impact of Heatwave on Livelihoods

Has the livelihood of your family been affected or is getting affected due to heatwaves?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, please specify.	<input type="radio"/> Agriculture <input type="radio"/> Animal Husbandry <input type="radio"/> Fishing <input type="radio"/> Forestry <input type="radio"/> Secondary Sector <input type="radio"/> Tertiary/Service Sector <input type="radio"/> Others, Specify
How has the livelihood been affected due to heatwaves?	<input type="radio"/> Reduction in crop yield <input type="radio"/> Deteriorated crop quality <input type="radio"/> Loss of crop <input type="radio"/> Reduced productivity of livestock <input type="radio"/> Negative impact on health of livestock <input type="radio"/> Death of livestock <input type="radio"/> Soil degradation (due to grazing pressure) <input type="radio"/> Soil-borne diseases and insect infestation <input type="radio"/> Increased risk of forest fire <input type="radio"/> Increased risk of equipment fire (due to overheating) <input type="radio"/> Insufficiency of water and irrigation requirements <input type="radio"/> Impact on freshwater fisheries (earlier spawning, O ₂ level decrease, skewed sex ratios) <input type="radio"/> Coral Bleaching <input type="radio"/> Others, Specify

Impact of Heatwave on Shelter, Community Infrastructure and Services

Do you have school-going children in your family?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, has the education been affected due to heatwave?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, how?	<input type="radio"/> schools closed <input type="radio"/> accessibility to schools affected due to extreme heat <input type="radio"/> school timings changed

	<ul style="list-style-type: none"> <input type="radio"/> Online education disrupted due to power failure/network unavailability/inaccessibility <input type="radio"/> Others, Specify
Is there any heatwave policy for schools released by government?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, are you aware/informed about it?	<input type="radio"/> Yes <input type="radio"/> No
Are there any preparatory and response measures taken by schools to avoid heat-related illness in children attending schools?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, please explain.	<ul style="list-style-type: none"> <input type="radio"/> pick up and drop facility <input type="radio"/> potable and cool water <input type="radio"/> healthy meals <input type="radio"/> Awareness on heatwaves, impacts and precautions <input type="radio"/> Sufficient open and green areas within school premises <input type="radio"/> Active cooling mechanism (coolers) <input type="radio"/> Others, Specify
Has your household's power services been affected or is getting affected due to extreme heat?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, then how?	<ul style="list-style-type: none"> <input type="radio"/> Regular power-cuts <input type="radio"/> Frequent power failures (due to several reasons) <input type="radio"/> Complete disruption (long-term failure) <input type="radio"/> Others, Specify
Do you have power backup facility?	<input type="radio"/> Yes <input type="radio"/> No
Does power back up facility gets affected due to longer usages or mechanical failure during extreme heat?	<input type="radio"/> Yes <input type="radio"/> No
Has the power demand of the household risen during heatwave/extreme heat?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, why?	<ul style="list-style-type: none"> <input type="radio"/> Use of active cooling systems <input type="radio"/> Others, Specify
Is due to active cooling systems, please specify?	<ul style="list-style-type: none"> <input type="radio"/> Air conditioners <input type="radio"/> Desert Coolers <input type="radio"/> Both <input type="radio"/> Others, Specify
How much has the increase been on average?	<ul style="list-style-type: none"> <input type="radio"/> Less than 10% <input type="radio"/> 10%-20% <input type="radio"/> 20%-40% <input type="radio"/> 40%-60% <input type="radio"/> 60%-80% <input type="radio"/> 80%-90% <input type="radio"/> More than 90%
Is the power supply service currently sufficient to meet these demands?	<input type="radio"/> Yes <input type="radio"/> No



What is the dominant source of water in your household?	<input type="radio"/> Surface water (tap water supply) <input type="radio"/> Groundwater <input type="radio"/> Both
Has the water service affected due to heatwave for your household?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, how?	<input type="radio"/> Reduced quantity (water scarcity) <input type="radio"/> Declined quality (e.g., bacterial growth) <input type="radio"/> No availability at all (water scarcity) <input type="radio"/> No accessibility at all (water stress) <input type="radio"/> Others, Specify
Is there any alternate external assistance provided to your household to meet the water needs?	<input type="radio"/> Yes <input type="radio"/> No
Does your family have a permanent shelter to take refuge during extreme temperatures and heatwave?	<input type="radio"/> Yes <input type="radio"/> No
If No, has your family been provided with a temporary emergency shelter?	<input type="radio"/> Yes <input type="radio"/> No
Does any of your family member travel on daily basis during heatwave?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, for what purpose?	
Do they have a decent place to take refuge when outdoors?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, then where do they take refuge during heatwave?	<input type="radio"/> Public Buildings <input type="radio"/> Covered Workplace <input type="radio"/> Open shaded areas <input type="radio"/> Others, Specify
Causative Factors for Impacts of Heatwave	
Does any of your family member work or is active in extreme environment?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, what are they specifically exposed to?	<input type="radio"/> wearing high levels of personal protective equipment <input type="radio"/> heat from extremely hot or molten material <input type="radio"/> sun exposure due to outdoor work <input type="radio"/> difficulty in accessing shade or places of respite from the heat during breaks <input type="radio"/> difficulty in accessing rehydration because of work location <input type="radio"/> Others, Specify
What type of surrounding is your house located?	<input type="radio"/> Urban Area <input type="radio"/> City center <input type="radio"/> Semi-urban area <input type="radio"/> Rural area <input type="radio"/> Others, Specify
Is your house surrounded by shaded and cool environment like plants, trees, shading systems, etc?	<input type="radio"/> Yes <input type="radio"/> No



Does any of your family member has medical conditions?	<input type="radio"/> Yes <input type="radio"/> No
If Yes, please specify	
How many members in your household are under the following age groups?	<input type="radio"/> Below 13 <input type="radio"/> Above 45
Were/Are there any awareness programmes and campaigns carried out by government, NGOs and other organizations on heatwave risk?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't know
Is there a dedicated Heat Action Plan prepared for your village/city?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't know
Do you face any cultural or language barrier in the understanding of any such initiatives?	<input type="radio"/> Yes <input type="radio"/> No
Were you given timely alerts and information about heatwaves and advices?	<input type="radio"/> Yes <input type="radio"/> No