PROJECT REPORT

Project title: Localized Multi Hazard Anticipatory Action Facility Pakistan

Project number: PAK 1120-21

Country Office: Pakistan

Project holder: Farmers Development Organization(FDO)

Report period: May 13, 2024 to July 14, 2024

Author/ Contact details: Muhammad Farooq/Project Coordinator/03002351226



1. GENERAL INFORMATION

Geographical Conditions:

Rahim Yar Khan is situated in the alluvium plain between Indus River in the West and Cholistan in the East. The District is present at a distance of 176km from Bahawalpur, Headquarter of Division. The district Rahim Yar Khan is bounded in the north by Muzaffargarh district, in the east by Bahawalpur district, in the south by Jasilmir (India) and Ghotki district of Sindh province and in the west by Rajanpur district. This Rahim Yar Khan is divided into three main physical features i.e. (a) Riverine area; (b) Canal irrigated area and (c) Desert area which is called Cholistan. It has 04 tehsils and 139 UCs with population of 5.56 million. The Environment of Rahim Yar khan is characterized exceedingly hot in the summer when the temperature ranges between 100◦ F to 120◦ F with the frequent dust storms in June and July, while in winter it drops to between 40◦ F to 70◦ F. The rainfall is irregular and the average of rain is 165mm per annum. The temperature varies from 10 to 50 centigrade. The district has history of record high temperatures in summers due to desert area and the effect of climate change. The last recorded heatwaves of 2018 caused a number of deaths in the district, and even in the 2024, the NDMA has projected the heatwave in the district with the guidelines for prevention.

Political

Rahimyar Khan district is characterized by a dynamic and multifaceted political landscape. Its strategic location and substantial population have made it a pivotal player in the regional political scenario.

Several political parties have contested elections in Rahimyar Khan, with varying degrees of success. The Pakistan People's Party (PPP) and Pakistan Muslim League-Nawaz (PML-N) have been dominant parties in the district, though other parties like Pakistan Tehreek-e-Insaf (PTI) have also emerged a strongest in recent years. The district comprises on 13 provincial assembly seats and 6 national assembly seats.

Electoral outcomes in Rahimyar Khan have been influenced by factors such as caste, ethnicity, and religious affiliations. While there has been a gradual shift towards issue-based politics, traditional loyalties and social structures continue to play a significant role in electoral behaviour.

Economical

The district's economy is primarily agrarian, with agriculture being the mainstay of the population. Major crops include cotton, wheat, and sugarcane. Livestock farming also contributes significantly to the economy. Despite its agricultural base, the district faces challenges such as water scarcity, soil degradation, and limited access to modern agricultural technologies.

Industrialization is relatively limited in Rahimyar Khan, with a few small-scale industries operating in the urban areas. The district has potential for growth in sectors like livestock processing, agriculture-based industries, and renewable energy

Social

The district has a predominantly rural population, with a significant portion residing in small villages and hamlets. Literacy rates are relatively low, particularly among women. Access to basic amenities like healthcare, education, and sanitation is unevenly distributed, with rural areas facing greater challenges.

The district's social fabric is primarily influenced by traditional values and customs. While there has been progress in social development indicators, challenges such as child marriage, gender inequality, and poverty persist in certain areas.

Cultural

Rahimyar Khan's cultural heritage is deeply rooted in Punjabi traditions and values. The district is known for its folk music, dance, and handicrafts. The region has a diverse ethnic composition, with various communities coexisting peacefully. However, cultural and social norms can sometimes be conservative, especially in rural areas.

TARGET GROUPS, PEOPLE ASSISTED

Following categories were prioritized for selection as per criteria;

Village wise assessment breakup as under:

S.#	Village	Total Head of households (HHs)			Total Individuals	Under 5 Years Male	Under 5 Years Female	6-17 Years Male	6-17 Years Female	18-29 Years Male	18-29 Years Female	30-65 Years Male	30-65 Years Female	PWD	Transgenders
		Female	Male	Total											
UC Name															
1	Cooling Stations Beneficiaries	N/A	N/A	N/A	95,113	950	378	5,480	4,005	28,599	9,228	35,616	10,289	521	47
2	Training Youth Groups Heatwave Awareness & First Aid Emergency Response	N/A	N/A	N/A	80	N/A	N/A	N/A	N/A	37	43	N/A	N/A	N/A	N/A
3	Heatwave Cases Handling Refresher for Paramedics of Health care facilities	N/A	N/A	N/A	20	N/A	N/A	N/A	N/A	4	3	8	5	N/A	N/A
4	Cascading Session Beneficiaries	N/A	N/A	N/A	10,000	N/A	N/A	50	30	680	515	150	63	12	N/A
5	Beneficiaries of Heat Wave Kits	N/A	N/A	N/A	900	N/A	N/A	N/A	N/A	230	51	511	96	N/A	12
6	Displayed Billboards	N/A	N/A	N/A	100,000										
Grand Total		N/A	N/A	N/A	**206,113**	**950**	**378**	**5,530**	**4,035**	**29,550**	**9,840**	**36,285**	**10,453**	**533**	**59**

• OTHER ACTORS DIRECTLY INVOLVED AND RELATIONSHIPS

Farmers Development Organization (FDO) has successfully coordinated with various departments, Rescue 1122, Municipal Corporation Rahimyar Khan, Health Department, District Disaster Management Coordinator (DDMC) Rahimyar Khan and Deputy Commissioner of Rahimyar Khan as part of our project preparedness implementation. FDO's meetings have been focused on presenting the comprehensive scope of the project's activities and outlining its objectives. The primary aim of these interactions is to secure government support and ensure seamless coordination for the successful implementation of the project. As a result of these efforts, FDO obtained the necessary documentation, including NOC, and support letter from other govt departments through the diligent work of the FDO team.

• SECURITY SITUATION

During Implementation of the project FDO team has not faced any security issue.

2. ASSESSMENT OF IMPACT AND OUTCOME

2.1. IMPACT (OVERALL GOAL LEVEL)

Indicator 1	Baseline data	Description of development	Assessment of development[1]	Difficulties	Adaption of planning	Risks

NOT INTENDED IMPACT (NEGATIVE AND POSITIVE):

[1] **Excellent**= better than expected; **Good=** in good process, according to the planning**; Moderate**= delayed, difficulties; **Insufficient**= serious problems, probably can't be reached

2.2. OUTCOME (PROJECT PURPOSE LEVEL)

Outcome 1

Indicator	Baseline data	Description of development	Assessment of development[1]	Difficulties	Adaption of planning	Risks

NOT INTENDED OUTCOME (NEGATIVE AND POSITIVE):

Indicator	**Baseline data**	**Description of development**	**Assessment of development[1]**	**Difficulties**	**Adaption of planning**	**Risks**

ASSESSMENT OF OUTPUTS

OUTPUT (Preparedness): Coordination with Government line Departments, Stakeholders, Rescue 1122 and Local CSOs, Collaboration with the stakeholders and formation of Youth Groups, Dissemination of Early Warning messages through SMS services

Indicator 1	Baseline data	Description of development	Assessment of development[1]	Difficulties	Adaption of planning	Risks
No. of stakeholders engaged in the emergency Response & their capacity to response enhanced	N/A	N/A	N/A	Due to early triggering of AA Model of the project, preparedness activities could not execute as per plan	Stakeholders engagement	Heatwave Model may not trigger in the plan time frame
No. of MoUs and ToPs signed with the stakeholders	N/A	N/A	N/A	There is no such challenge face during project implementation	District Govt provided supporting rule and provide all type of facilitation for implementation of the project	Govt Regulations/Laws may have changed
No. of persons reached through the messages	N/A	N/A	N/A	Due to shortage of time effective message campaign was not	Youth Volunteers effectively delivered awareness sessions in	

				initiated at community level, only a group of community was engaged through youth led awareness sessions	community on first Aid and heatwave awareness	

ACTIVITIES:

- What was particularly positive? Which difficulties?

What was particularly positive?

- **Stakeholders engaged in the Heatwave Emergency Response & their capacity to response enhanced:**

  The project successfully engaged a wide range of stakeholders, including government departments, community-based organizations, paramedics staff and Youth Volunteers in the emergency response efforts. Through capacity-building initiatives, these stakeholders were equipped with the necessary knowledge and skills to effectively address heatwave challenges. Collaborative partnerships were forged to enhance coordination and resource sharing, leading to a more robust response system.

- **MoUs and ToPs signed with the stakeholders:**

  Formalizing partnerships through MoUs and ToPs was instrumental in streamlining collaboration among stakeholders. These agreements outlined roles, responsibilities, and resource sharing mechanisms. By establishing clear expectations and commitments, the project ensured efficient coordination and effective utilization of resources.

- **Beneficiaries reached through the different campaigns:**

  The project successfully reached a significant number of individuals through awareness campaigns and early warning messages. Leveraging various communication channels, including billboards, social media, and community outreach programs, the project disseminated vital information about heatwave prevention and preparedness. This widespread dissemination contributed to increased community resilience and reduced vulnerability to heat-related risks.

- **Designing and Publishing of Awareness Messages (IEC Material):**

  The development and distribution of IEC materials contributed significantly to raising public awareness about heatwave prevention and preparedness. The use of clear and concise messages, coupled with visually appealing materials, effectively conveyed key information to the target audience. The integration of IEC materials into community outreach activities amplified the campaign's impact and fostered behavioral change.

These positive outcomes collectively contributed to the overall success of the heatwave project in safeguarding the health and well-being of the target population.

Output.2 (Anticipatory Action)

Indicator 1	Baseline data	Description of development	Assessment of development[2]	Difficulties	Adaption of planning	Risks
02 health facilities have heatstroke centers renovated and equipped with improved emergency response						
06 no of cooling stations established with provision of sufficient clean drinking water for 20000 persons per day						
16000 No. Of people reached with material provided						
80 youth volunteers trained and then cascading message to the 800 community persons						

ACTIVITIES:

What was particularly positive about the activity:

- **Establishing Cooling Stations and the Supply of Clean Drinking Water**

  A particularly positive outcome of establishing cooling stations was the immediate and tangible relief provided to vulnerable populations during heatwaves. The availability of clean drinking water at these stations proved to be a lifesaver, especially for those engaged in outdoor labor. Moreover, the strategic placement of cooling stations in high-traffic areas ensured maximum accessibility. The positive feedback received from beneficiaries underscores the significance of this intervention in mitigating heat-related health risks.

- **Provision of Heatwave Protection Kits**

  The distribution of heatwave protection kits was instrumental in empowering individuals to take proactive measures against heat-related illnesses. The inclusion of essential items such as ORS, sunscreen, and hats proved to be particularly beneficial. The kits were widely appreciated by the target

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population, as evidenced by the high utilization rates. This initiative contributed to a noticeable reduction in heatstroke cases and improved overall community resilience.

- **Provision of Kits/Required Material to Rescue 1122:**

  Equipping Rescue 1122 with essential kits and materials significantly enhanced their capacity to respond to heat-related emergencies. The provision of specialized equipment and supplies facilitated efficient and effective rescue operations. This collaboration proved to be crucial in saving lives and minimizing the impact of heatwaves.

- **Assistance for renovation for Heatstroke Centers in RYK:**

  The renovation of the two-heatstroke centre's proved to be a particularly positive aspect of the project. The upgraded facilities have significantly enhanced patient care, with increased capacity to treat heatstroke cases. The improved working conditions for healthcare staff have boosted morale and allowed for more efficient patient management. Moreover, the community has expressed satisfaction with the accessibility and quality of care provided at the renovated canters, solidifying their trust in the healthcare system.

Preparedness Activities:

Coordination meetings with the stakeholders:

A robust stakeholder engagement strategy was implemented through the organization of regular coordination meetings. Key stakeholders, including government departments such as the health department, district disaster management coordinator (DDMC), Municipal Corporation MC-Rahimyar Khan, Additional Deputy Commissioner General and Deputy Commissioner Rahimyar Khan, along with essential partners like Rescue 1122 and civil society organizations, were actively involved in these meetings. These platforms facilitated open dialogue, information sharing, and collaborative decision-making. By fostering a spirit of cooperation and shared responsibility, these coordination meetings were instrumental in developing a comprehensive heatwave response plan. Through these interactions, a unified approach was forged, ensuring efficient resource allocation and effective implementation of project activities.



Figure 2- Meeting with Additional Deputy Commissioner General Rahimyar Khan



Figure 1- Meeting with Chief Executive Officer-CEO Health- District Rahimyar Khan

Regular consultations with stakeholders enabled the identification of critical gaps and challenges, leading to the development of strategies to address them collectively. Moreover, these meetings served as a platform for knowledge sharing and capacity building among participating organizations, enhancing their overall preparedness to respond to heatwave emergencies.

Refresher of Paramedics for Healthcare Facilities:

To bolster the frontline healthcare response to heatwaves, the project implemented comprehensive refresher training for 20 paramedics of district Rahimyar Khan. The training module encompassed a wide range of essential topics, including the early identification of heatstroke symptoms, the administration of appropriate first aid interventions, and the proficient use of medical equipment specifically designed for heat-related emergencies. Practical, hands-on exercises were incorporated into the training to ensure that paramedics acquired the necessary skills to effectively manage heatstroke cases in real-world scenarios. By enhancing the knowledge and capabilities of paramedics, the project aimed to strengthen the overall capacity of the healthcare system to provide timely and effective care to individuals affected by heatwaves.



Figure 3- Group Photo of Paramedics Refresher Training Participants

The training program was designed to be interactive and participatory, incorporating case studies and simulations to reinforce learning. District Health Officer Rahimyar Khan participated in this training as chief guest. At the end of the training session, certificates of training refresher session were given to the participants. Feedback mechanisms were incorporated to assess the effectiveness of the training and identify areas for improvement. The ultimate goal of this activity was to empower paramedics to confidently and competently manage heat-related emergencies, thereby contributing to a reduction in heatstroke-related morbidity and mortality.

Identification of 80 youth members for training on Preparedness:

Recognizing the potential of youth to drive positive change, the project embarked on a strategic initiative to identify and empower a cadre of young leaders. Eighty youth members including male and females were meticulously selected from vulnerable communities to serve as the backbone of community-level heatwave preparedness efforts. A rigorous selection process was undertaken to ensure the inclusion of diverse backgrounds, ensuring representation from different socioeconomic strata, genders, and age groups.



Figure 4- Meeting with Youth Volunteers

The selected youth underwent a comprehensive training program designed to equip them with the necessary knowledge and skills to effectively address heatwave challenges. The training curriculum encompassed a wide range of topics, including heatwave early warning systems, first aid, emergency response protocols, and community mobilization techniques. Practical exercises and simulations were incorporated to enhance their ability to apply theoretical knowledge in real-world scenarios. By investing in the youth, the project aimed to cultivate a new generation of heatwave champions capable of leading community-driven initiatives and fostering resilience.

2 Days Training of 4 youth groups (20 members) on Awareness Sessions, First Aid, Emergency Response:

For heatwave awareness and saving vulnerable population during extreme heat events in District Rahim Yar Khan FDO staff identified youth volunteers from District Rahim Yar Khan by conduct sessions in Educational institution and general public. After completed identification of youth volunteers. FDO conduct a one-day Training of Youth Groups Heatwave Awareness & First Aid Emergency Response with cooperation Rescue 1122 in 4 Batches. Each Batch consist of 20 Youth volunteers. Training Topics covered are as under:

Understanding Heatwaves, A heatwave is a prolonged period of abnormally hot weather, usually lasting several days or even weeks. It's a natural disaster that can have severe impacts on human health, infrastructure, and the environment.
Key points to consider:

1. Temperature: Heatwaves are characterized by extremely high temperatures, often above 90°F (32°C) for an extended period.
2. Duration: Heatwaves can last from several days to several weeks.
3. Humidity: High humidity can exacerbate the effects of a heatwave.
4. Impact: Heatwaves can lead to heat-related illnesses, power outages, and increased mortality rates.

Session 2: Heat Stroke - Causes and Symptoms, heat stroke is a severe heat-related illness that occurs when the body's temperature regulation system is overloaded, causing the body temperature to rise rapidly.

Key points to consider:

1. Causes: Heat stroke can be caused by prolonged exposure to high temperatures, physical exertion, dehydration, and certain medications.
2. Symptoms: Body temperature above 103°F (39.4°C) Confusion, agitation, or loss of consciousness, Slurred speech Dry, flushed skin with no sweating, Rapid heartbeat Shallow breathing.



Figure 5- Training of Youth Volunteers different Batches

Those 80 Youth volunteers got Training of Heatwave Awareness & First Aid Emergency Response. Each Youth volunteers conduct a detail Cascading session delivered to commuting. Each Youth volunteers targeted 15 to 20 peoples for cascading session on heatwave awareness and first aid emergency repose. Approximately 1500 vulnerable populations targeted in cascading sessions. Each participant of cascading session trained and task to training 20 peoples further. By investing in the youth, the project aimed to cultivate a new generation of heatwave champions capable of leading community-driven initiatives and fostering resilience.

Cascading of the Youth group training to communities:



Figure 6- Cascading Session Picture

To maximize the impact of the youth training program, a robust community outreach strategy was implemented. The trained 80 youth volunteers served as the primary agents of change, actively engaging their communities in heatwave preparedness and response efforts. Through a combination of group discussions, interactive demonstrations, the youth effectively disseminated critical information on heatwave prevention, first aid, and emergency response protocols. These sessions were tailored to meet the specific needs and cultural contexts of the target communities.

By empowering the youth to share their knowledge and skills, the project aimed to create a multiplier effect, reaching a wider audience and fostering a culture of preparedness. The youth groups played a pivotal role in building trust and credibility within their communities, encouraging active participation and ownership of heatwave mitigation strategies. Regular monitoring and evaluation were conducted to assess the effectiveness of the community outreach activities and to identify areas for improvement.

This cascading approach not only increased awareness but also strengthened social networks and promoted collective action. The overall impact of this activity was to strengthen community resilience and reduce vulnerability to heatwaves through grassroots empowerment.

Awareness Campaign in the community by Youth groups:

The youth groups emerged as dynamic catalysts for behavior change through the implementation of comprehensive community-based awareness campaigns. Leveraging their influence and understanding of local dynamics, they organized awareness session and distributed posters/flyer's. These platforms served as powerful tools for disseminating crucial information about heatwave risks, prevention measures, and emergency response. By promoting healthy behaviours such as hydration, seeking shade during peak heat hours, and promptly seeking medical attention, the youth groups empowered community members to take proactive steps to protect themselves and their families. The campaigns fostered a sense of ownership and responsibility among community members, encouraging them to become active participants in heatwave preparedness efforts. Through this campaign more than 100, 000 community members reached for awareness raising on heatwave and precautionary measures.



Figure 8- Awareness Campaign in Community



Figure-7-Awareness Campaign in Community

The youth's enthusiasm and dedication were instrumental in generating widespread awareness and creating a culture of preparedness within the community. Through their tireless efforts, the project achieved a significant impact on public knowledge and behavior, ultimately contributing to a reduction in heatwave-related vulnerabilities.

Designing and Publishing of IEC Material:

To effectively disseminate heatwave prevention messages, the project developed and distributed a range of informative IEC materials. Visually appealing posters, flyers, and banners were designed to capture the attention of diverse audiences, including children, adults, and the elderly. These materials were strategically placed in high-traffic areas such as colleges, health facilities, community centers, and public spaces to maximize visibility. The content of the IEC materials was carefully crafted to be clear, concise, and culturally relevant, ensuring easy comprehension by the target population.

By employing a multi-faceted approach to IEC dissemination, the project aimed to increase public awareness and knowledge about heatwave risks, preventive measures, and emergency response protocols. The ultimate goal was to empower individuals with the information necessary to protect themselves and their families from the adverse effects of heatwaves.

Assistance for renovation for Heatstroke Centers in RYK

Understanding the critical need for specialized facilities to treat heatstroke patients, the project undertook the renovation of two existing healthcare centers, strategically located in Tehsil Headquarter Khan Pur and Tehsil Headquarter Sadiq Abad, District Rahim Yar Khan. The renovation process encompassed essential structural improvements, including wall pilings, roof for ceiling to resilience against extreme weather conditions. To ensure optimal patient care during heatwaves, air conditioning systems were installed, creating a conducive environment for treatment and recovery.



Figure 8-Renovation of Heatstroke Wards in Tehsil Head Quater Sadiq Abad



Figure 9- Heat stroke Ward Renovation.

Close collaboration with the health department was maintained throughout the renovation process to ensure adherence to medical standards and guidelines. The project aimed to transform these healthcare facilities into well-equipped heatstroke center's capable of providing timely and effective medical care to those affected by heat-related illnesses. By investing in the infrastructure of these centers, the project sought to strengthen the healthcare system's capacity to respond to heatwave emergencies and improve the overall health and well-being of the community.

The successful completion of these renovations represents a significant milestone in the project's efforts to mitigate the impact of heatwaves in district Rahimyar Khan. The upgraded heatstroke centers serve as vital resources for the community, providing a safe and accessible place for heatstroke patients to receive immediate medical attention.

Anticipatory Action (AA) Activities:

Establishing Cooling Stations and the Supply of clean drinking Water:

The project implemented a comprehensive strategy to address the acute heatwave challenges faced by the population of Rahim Yar Khan. Six strategically located cooling stations were established in high-traffic areas, including the Nadra Office, New Bus Terminal, Vegetable Market, Railway Station, and Main Market. These stations were equipped with essential amenities such as clean drinking water, oral rehydration solutions (ORS), shade, and basic first aid facilities. Through these cooling stations**,** more than **95,113** direct beneficiaires with the segregation of Under **5 Years Male -950, Under 5 Years Female-378, 6-17 Years Male-5480, 6-17 Years Female-4005, 18-29 Years Male-28,599, 18-29 Years Female-9,228, 30-65 Years Male-35,616, 30-65 Years Female-10,289, PWD- 521 and Transgenders-47**, access from getting relief the scorching weather and driking water. To ensure the sustainability and effectiveness of the cooling stations, a robust maintenance and cleaning schedule was implemented. Moreover, the active involvement of youth volunteers in managing these stations fostered a sense of community ownership and enhanced service delivery. A rigorous monitoring system was established to track the number of individuals utilizing the cooling stations and gather feedback to inform improvements and optimize resource allocation.



Figure 10-Cooling Station Picture

Provision of heatwave Protection Kits (ORS, Towels, hand fans, portable water bottle, sunscreen, umbrella, caps):

To mitigate the health risks associated with extreme heat, the project implemented a comprehensive heatwave protection kit distribution strategy. A total of 900 kits were provided to highly vulnerable populations, including traffic police, sanaitry workers, Fruit Carts, construction workers, transgender individuals, Youth volunteers and frontline healthcare workers. Each kit contained essential items such as oral rehydration solutions (ORS), towels, water bottles, umbrellas, and caps. To maximize the impact of the kits, targeted distribution was prioritized for individuals working in outdoor environments. Accompanying the distribution were awareness sessions emphasizing the proper use of kit components. Continuous monitoring ensured the availability of kits and addressed potential shortages. This initiative aimed to empower individuals with the necessary tools to protect themselves from heat-related illnesses and enhance their overall well-being.



Figure 11-Distribution of Heatwave Protection Kits in District Rahimyar Khan

Provision of kits / required material to Rescue 1122:

Recognizing the critical role of Rescue 1122 in responding to heat-related emergencies, the project implemented a comprehensive equipment and supply provision strategy. To enhance the department capacity to effectively manage heatwave-related incidents, a substantial quantity of essential materials was provided. This included 40 water coolers to ensure adequate hydration for rescue personnel and those affected by heatstroke, 1,000 ORS sachets for immediate rehydration, and 50 pairs of cotton gloves to protect responders from potential hazards. Additionally, 50 goggles or glasses, six umbrellas with stands, 460 hats, 420 hand towels, 50 glasses, and 420 hot and cold water bottles were supplied to safeguard the health and well-being of rescue workers while carrying out their duties. Through close coordination with Rescue 1122, the project ensured the timely delivery and optimal utilization of these materials. This strategic intervention aimed to strengthen the emergency response capabilities of Rescue 1122, thereby improving the overall effectiveness of heatwave management.



Figure 12-Deputy Commissioner Rahimyar Khan Handing over the Heatwave Kits to Recue 1122.

Designing and Publishing of awareness messages for protection from Heatwave (IEC Material):

A comprehensive Information, Education, and Communication (IEC) strategy was implemented to raise public awareness about heatwave prevention and preparedness. The project developed a range of IEC materials, including visually appealing posters, informative flyers, and concise brochures, tailored to the specific needs and literacy levels of the target population. To enhance message retention, engaging radio jingles were produced and broadcast through local radio stations. These materials were strategically disseminated through various channels, such as hospitals, community centers, cooling stations, and public gathering places to maximize reach. To evaluate the effectiveness of the IEC campaign, pre and post-campaign surveys were conducted to assess changes in knowledge, attitudes, and practices regarding heatwave prevention. By combining informative content with strategic dissemination, the project aimed to empower the community with the necessary knowledge to protect themselves from the adverse effects of heatwaves.



Figure 12- Heatwave Awareness material

LESSONS LEARNT

3. PROJECT SUSTAINABILITY/VIABILITY

Challenges:

- Preparedness and Anticipatory Action (AA) Activities time was too short
- Geographical coverage
- Stakeholders understanding on AA
- Budgetary divisions
- Less field staff to respond heatwave AA activities
- Shorten the timeframe of the project

Way Forward

1. District Level Planning Meeting at the time of activity planning with district administration for rapport building need assessment
2. Geographical Coverage should be imparted with not limited on 2-3 UCs of the district
3. Lady health workers should be taken onboard for awareness purpose with minimum incentive at the time of heatwave emergency response as their network is available at gross rout level.
4. Cooling Stations SOPs should be developed for all partners
5. Procurement procedures must be relaxed for effective and timely implementation of the activities
6. Check list for financials expense supporting documentations should be developed and shared with all partner for compliance purpose
7. Under heatwave Project only humans were the target of all partners, it will be good if we can support to save the livelihood of the heatwave effected communities at the time of heatwave triggered

Lessons learnt

- **Early Warning Systems:** The importance of accurate and timely early warning systems in mitigating heatwave impacts was highlighted. Continuous improvement and expansion of the early warning system are crucial for enhancing preparedness.
- **Community Engagement:** The active involvement of communities in project design and implementation is essential for long-term sustainability. Empowering community members as agents of change is vital for building resilience.
- **Stakeholder Collaboration:** Strong partnerships between government agencies, NGOs, and community-based organizations are crucial for effective heatwave management. Regular coordination and knowledge sharing are essential for optimizing resource utilization.

- **Capacity Building:** Investing in the capacity building of frontline workers, including paramedics and community mobilizers, significantly enhances the overall response capacity. Continued training and skill development are necessary to maintain high standards of care.

Project Sustainability:

To ensure the long-term impact of the project, several sustainability strategies were implemented

- **Institutionalization of Response Mechanisms:** Integrating heatwave management into the regular functions of government departments and emergency response agencies will ensure continued implementation of project interventions.
- **Capacity Building:** Strengthening the capacity of local communities and organizations to independently address heatwave challenges will promote self-reliance.
- **Financial Sustainability:** Exploring opportunities for generating sustainable revenue streams to support project activities will reduce dependency on external funding.
- **Advocacy and Policy Influence:** Advocating for the inclusion of heatwave management in national and local policies will create a supportive environment for future interventions.
- **Knowledge Management:** Documenting project experiences and lessons learned will contribute to the development of best practices for heatwave management.

By focusing on these key areas, the project aims to leave a lasting impact and contribute to the long-term well-being of the community.

Annexure-1 (Pictures)

























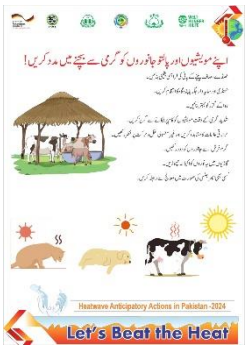


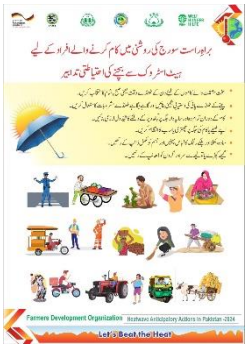





گرمی کو شکست دینا چاہتے ہیں تو درخت لگائیں!
Let's Beat the Heat
Heatwave Anticipatory Actions in Pakistan -2024


گرمی کی شدت جان لیوا ہو سکتی ہے!
احتیاط کیجئے۔۔۔ محفوظ رہیے
دھوپ میں باہر نہ نکلیں
ضروری ہو تو سر اچھا طرح ڈھانپ کر نکلیں
نہائیں اور ذاتی صفائی
نظر انداز نہ کریں
گرمی کی حدت میں اضافہ
موسمیاتی تبدیلی کا شاخسانہ
گرمی کی شدت
پانی کا استعمال کریں
دھوپ اور گھٹن میں
مشقت والا کام نہ کریں
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Heatwave Anticipatory Actions in Pakistan -2024


Heatwave Anticipatory Actions in Pakistan -2024
Let's Beat the Heat


Farmers Development Organization
Heatwave Anticipatory Actions in Pakistan -2024
Let's Beat the Heat


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Let's Beat the Heat


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STRIBUTION OF


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Let's Beat the Heat


رحیم یار خان کا کثیر الاشاعت اخبار
DAILY SADA-E-ROHI RAHIM YAR KHAN
صدائے روہی
0300-8678038


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Annexture-2 NOC and Departmental Letters

Punjab Government Pakistan
Ph. # 068-9230266

No.DC/RYK/GB/...595
OFFICE OF THE
DEPUTY COMMISSIONER
RAHIM YAR KHAN
Dated 30/05/2024

To

Mr. Asif Shehzad,
Head of Programs,
Farmers Development Organization,
Multan.

Subject: **APPLICATION FOR ISSUANCE OF NO OBJECTION CERTIFICATE TO IMPLEMENT "HEATWAVE ANTICIPATORY ACTION IN PAKISTAN" (13TH MAY, 2024 – 30TH SEPTEMBER 2024)**

Please refer to your office letter No.FDO.HoP/8497/2024 dated 27.05.2024 on the subject cited above.

In this regard, this office has no objection to the working of Farmers Development Organization New Shalimar Colony Multan, as an NGO that should be bound to monthly progress reports to this office. The following are the main objectives of the project:-

- Equipping Healthcare Facilities, healthcare officials, and youth from the community with heatwave first aid and emergency response.
- Reducing Heatstroke and health suffering among the public with immediate actions to keep them hydrated and protected from scorching weather.
- Establishment of cooling camps in the district

This Permission is granted to the following terms & conditions:

- No government authority or their regulations/policies shall be criticized
- No political matter/activity shall be discussed or disputed affairs touched.
- A peaceful atmosphere shall be maintained
- The Organizer is responsible for maintaining a good/comfortable environment
- In case of any violation of the sound system or untoward incident, the organizer shall be held responsible.

Additional Deputy Commissioner
(General) Rahim Yar khan

CC:

- District Police Officer, Rahim Yar Khan
- All Concerned Members to ensure compliance.
- PS to Deputy Commissioner, Rahim yar khan.

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Primary & Secondary Healthcare Department

OFFICE OF THE
MEDICAL SUPERINTENDENT
THQ HOSPITAL KHANPUR
Phone # 068-5573507
Email msthqhospitalkpr12@gmail.com

ACKNOWLEDGEMENT CERTIFICATE

It is certified that Room Renovation (Ceiling & Paneling) work has been completed & 02 Air Conditioners (Orient) has been installed and are fully functional in Heat Stroke ward of THQ Hospital Khanpur, District Rahimyarkhan by Farmer Development Organization (FDO) Multan.

We extend our heartfelt gratitude for your continued trust in THQ Hospital Khanpur, District Rahimyarkhan. We look forward to further opportunities to collaborate in the future.

MEDICAL SUPERINTENDENT
Tehsil Headquarter Hospital
Khanpur
MEDICAL SUPRINTENDENT
THQ HOSPITAL KHANPUR

OFFICE OF THE
MEDICAL SUPERINTENDENT
THQ HOSPITAL SADIQABAD

No.MS/1106/THQ-Hosp-SDK
Dated 28-06-2024

ACKNOWLEDGEMENT CERTIFICATE

It is certified that Room Renovation (Ceiling & Paneling) work has been completed & 02 Air Conditioners (Orient) has been installed and are fully functional in Heat Stroke ward of THQ Hospital Sadiqabad, District Rahimyarkhan by Farmer Development Organization (FDO) Multan.

We extend our heartfelt gratitude for your continued trust in THQ Hospital Sadiqabad, District Rahimyarkhan. We look forward to further opportunities to collaborate in the future.

MEDICAL SUPERINTENDENT
THQ HOSPITAL SADIQABAD

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A Life Saving Force
Rescue 1122

No. RYK-DEO/ 645 /24 (PES)
OFFICE OF THE
DISTRICT EMERGENCY OFFICER
(RESCUE 1122)
RAHIM YAR KHAN
27th June, 2024.

Mr. Muhammad Farooq,
Project Coordinator,
Farmars Development Organization,
Multan.

Subject: ACKNOWLEDGMENT

It is stated that this office is very thankful to you for the cooperation regarding the provision of following items in donation to Rescue 1122, R.Y. Khan.

Sr.	Items	Quantity	Remarks
1	Hand Towels	420 Nos.	
2	Water Coolers (Small)	34 Nos.	
3	Water Coolers (Large)	06 Nos.	
4	Googles	47 Nos.	
5	Cotton Gloves	50 Nos.	
6	Water Bottles	417 Nos.	
7	Round Hats	422 Nos.	
8	Umbrella with stands	06 Nos.	
9	Glass Plastic	34 Nos.	
10	ORS	1000 Nos.	

This office is very grateful to you for this kind favor and looking forward for same cooperation in future also.

Thanking you.

(DR. ADIL REHMAN)
DISTRICT EMERGENCY OFFICER
RAHIM YAR KHAN

Rescue 1122 Station, Near Allama Iqbal Library, WAPDA Colony Road, Rahim Yar Khan
Ph: 068-9230011, E-mail: deo.ryk1122@gmail.com

WELT HUNGER HILFE

Emergency Response (PAK 1120 - Heatwave Anticipatory Actions in Pakistan) Project

HANDING OVER PROTOCOL

"Provision of Equipment to Rescue 1122 for heatwave emergency response in district Rahimyar Khan"

Under ***"Emergency Response (PAK 1120 - Heatwave Anticipatory Actions in Pakistan Project"*** FDO received a request through letter **No. RYK-DEO/528/24 (PES)** from the Rescue 1122 district emergency officer (DEO) for the provision of Equipment to Rescue 1122 for heatwave emergency response in district Rahimyar Khan with following items.

SR.#	Items Description	Total Qty	Remarks
1	Water Bottles hot and cool 1ltrs	420	50 for bikers 390 for ambulance and fire vehicle
2	Hand towels	420	Handkerchief
3	Hats	460	
4	Cotton gloves	50	Only for biker
5	Goggles/Glasses	50	
6	ORS	1000	
7	Water Cooler 5ltr	34	Only for bikers
8	Glass	34	
9	Water Cooler for 15ltr	6	For fire vehicle
10	Unmberala with stand	6	

It is acknowledged that Farmers Development Organization-FDO has provided/handed over the above-mentioned items to District Emergency Officer Rescue 1122 Dr. Adil Rehman Sahib for its further effective utilization during heatwave emergency response in district Rahimyar Khan under the ***"Emergency Response (PAK 1120 - Heatwave Anticipatory Actions in Pakistan Project"***

Handing Over by:

Mr. Asif Shehzad
FDO/Head of Programs

Handing Over to:

Dr. Adil Rehman
Rescue 1122/District Emergency Officer
District Emergency Officer
Punjab Emergency Service
Rescue 1122 Rahim Yar Khan

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Annexture-3 Case study

"We Are Now Protected": Uzma's Story of Relief from the Heat

Uzma Azeem, a resident of Rahim Yar Khan, is a polio worker. She works in the field in extreme heat, going door to door to administer polio drops. She says that the government has not made arrangements for them considering the intensity of the weather. This year, the duration of the heatwave was longer. During this period, the Farmers Development Organization (FDO) provided awareness about heatwave precautions and supplied heatwave kits. This kit included an umbrella, a cool water bottle, ORS, a cap, and a towel. After receiving this kit, the effects of the heatwave started to diminish. Due to the extreme heat, there used to be a deficiency of salts, which is now being replenished by drinking ORS-mixed water. Similarly, the cool water bottle ensures the availability of cool water at all times, and the cap helps shield from the sun. The towel is very useful for wiping sweat. With the availability of this kit, we are now protected from the heat. Uzma Azeem is thankful to the Farmers Development Organization (FDO) for taking these measures to protect polio workers from the heatwave.





Uzma Azeem Polio Worker District Raheem Yar Khan