



**AiD-EGC (JV)**



## **Monthly Progress & Monitoring Report**

**SEPTEMBER 2024**

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**KHYBER PAKHTUNKHWA IRRIGATED-AGRICULTURE  
IMPROVEMENT PROJECT (KP-IAIP)**

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Submitted by

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## Project Overview

The Khyber Pakhtunkhwa Irrigated Agriculture Improvement Project (KPIAIP) is a government initiative aimed at enhancing the efficiency and sustainability of irrigated agriculture in Khyber Pakhtunkhwa (KPK) province. Led by the Director General of On-Farm Water Management (DG-OFWM), the project specifically targets improving agricultural practices among small-scale farmers, including those in the newly merged districts. Its primary focus is to address key challenges hindering optimal agricultural management, such as inefficient irrigation methods, poor resource management, and unproductive crop yield strategies.

To ensure the project's effective implementation and monitoring, consultants from AiD-EGC JV have been engaged. The Monitoring and Evaluation Consultants (M&EC) play a crucial role in supervising the project's progress and assessing the impact of its activities. This report provides an update on the progress and monitoring of KPIAIP, offering a detailed overview of the activities conducted by the M&EC during September 2024. These monthly reports are critical deliverables that serve as key tools in evaluating the overall progress of the project.

## Achievements of the M&EC up to the Reporting Month

The M&EC team has successfully executed various project activities across the region, achieving key milestones through strong collaboration with departmental teams. By the end of last month, the team had achieved significant progress in several key areas, including:

- Establishment of the project office in Peshawar, including the deployment of staff.
- Newly recruited staff received training and orientations tailored for the execution of project activities.
- The final inception report submitted on time, integrating valuable feedback from the PIU.
- Digitized data-gathering formats finalized after soliciting input from relevant stakeholders.
- Data cleaning for completed 4828 schemes of the 1<sup>st</sup> and 2<sup>nd</sup> year (2020-2021 & 2021-2022) for field operations and impact data collection. 580 sampled sites across 25 districts were visited by the team.
- The draft Mid Term Report submitted on time to the PIU/Client for feedback and comments.
- Preliminary work for the MIS Dashboard completed under the guidance of KPIAIP experts.
- Data cleaning and sampling of 3558 completed schemes of the 3<sup>rd</sup> year (2022-23) to assess impact of KPIAIP. 990 sampled sub-components were visited thereupon for analysis.
- A cumulative total of 1570 sub-components schemes across all regions of KPK visited by the M&EC.
- 17 Monthly and 7 Quarterly Progress and Monitoring Reports submitted as deliverables to the client.
- MIS Dashboard uploaded on the server for feedback after thorough input from relevant experts.
- Data cleaning and sampling of 4972 completed schemes of the 4<sup>th</sup> year (2023-24) effectively done.
- Field plans for the upcoming year have been finalized and are set for implementation.
- Key experts attended all mandatory meetings as communicated by the Directorate of OFWM.
- All anticipated deliverables outlined for the M&EC achieved greatly supported by the PIU.

## Progress Monitoring and Reporting

During the current month, the M&EC team focused on field planning and related official tasks, closely coordinating with PIU specialists. Field visits were conducted as per the work plan to gather impact data on newly sampled completed schemes. The progress review and planning meeting took place at the project office at the end of the month. Field staff reported on their progress for the month, while the IT team provided digitized data updates. The key experts guided staff on accurately reporting impact and environmental compliance data. For details please refer to minutes of the meeting attached to this report as **Annex I**.



By the end of the month, the KPIAIP has made desirable physical progress since its launch. More than 14,000 initiatives (sub-components) have been successfully finalized within the Watercourse segments (A1, A2, A3, and A4), Water Storage Tank segment (B2), High Efficiency Irrigation Systems (HEIS) and the provision of Precision Laser Leveling (PLL) services. These achievements reflect the program's commitment to enhancing agricultural productivity and water management, laying a solid foundation for future improvements in the provincial irrigation infrastructure.

By the end of this month, impact and outcome data from 1790 sampled sub-component schemes was gathered and analyzed. Monitoring visits were conducted in alignment with the work plan to the KPIAIP completed schemes. Field staff demonstrated commendable performance, successfully completing 220 sub-component visits across nine districts within their designated regions. During the reporting period, no security concerns was reported by the field teams. Table below provides a summary of planned versus completed monitoring visits for September 2024.

Target Vs. Achievement of the M&EC Field Monitoring Visits for September 2024			
Region	District	No. of Schemes Planned	Achieved during the Month
Central	Peshawar	25	25
	Charsadda	16	16
	Nowshera	20	22
Northern	Swat	33	33
	Buner	07	07
Southern	D I Khan	40	40
	Kohat	27	25
	Karak	26	25
	Lakki Marwat	26	27
<b>Total</b>		<b>220</b>	<b>220</b>

In line with the agreed work plan for verifying sampled physical data, the M&EC field visit targets are being met, with 1,790 completed schemes under the KPIAIP by the end of the month. The table below provides an overview of the cumulative progress, highlighting the steady progression of impact monitoring.

Cumulative Achievement of the M&EC Field Monitoring Visits			
Region	Monitoring and Impact Data Collected of Sub-Components		
	As of End August 2024	During September 2024	Cumulative End September 2024
Central	467	63	530
Northern	312	40	352
Southern	791	117	908
<b>Total</b>	<b>1570</b>	<b>220</b>	<b>1790</b>

As the impact and monitoring data is being received consistently, the key experts are working to align it with the intended objectives of KPIAIP on real time. In order to obtain further project's effectiveness, additional studies case studies are being planned to be carried out in the coming months. These studies will provide deeper insights and complement the ongoing evaluation process. The use of clean, digital data will play a pivotal role in accurately measuring the project's outcomes and long-term impact, ensuring that progress is tracked efficiently and is data-driven. This approach will not only help in achieving the project's goals but also provide a robust framework for continuous improvement and accountability.

### Summary and Insights on Impact Assessment, Compliance and Community Feedback

A comprehensive analysis of the data collected from sampled completed schemes has been conducted to evaluate the overall impact of the KPIAIP. Annex II offers a detailed breakdown of the 220 schemes that were inspected during the month. This evaluation primarily focused on a newly selected set of finalized sub-components, grouped under Component A, which covers community watercourse improvement schemes, and Component B2, focused on water storage tanks. The findings from this review, aligned with KPIAIP's result-based performance indicators, demonstrate that many key areas are progressing as planned. Several indicators are already showing promising signs of success, with progress being made toward meeting the project's long-term objectives. Based on current trends, these indicators are expected to meet the desired targets by the project's end, reinforcing the overall effectiveness of the interventions and ensuring that sustainable improvements in water resource management are realized. This ongoing assessment underscores the project's capacity to deliver meaningful, measurable impacts on the ground.



The analysis of the collected data highlights consistent progress in achieving KPIAIP's core objectives across several key performance areas. Major improvements have been observed in the expansion of irrigated land, driven by better watercourse management and increased water storage capacities. These developments have led to higher cropping intensity, improved crop yields and diversified cropping patterns, showcasing the project's overall effectiveness. A vital objective of reducing water losses is being successfully tackled, with substantial increases in water productivity, particularly for major crops like wheat and maize. Beyond these technical achievements, KPIAIP has made meaningful strides in environmental sustainability and social impact,

emphasizing community welfare and gender inclusivity. For a comprehensive review of KPIAIP's progress and detailed findings from various interventions, please refer to the 8<sup>th</sup> quarterly M&EC report, which provides in-depth insights into the KPIAIP's ongoing outcomes and areas for further enhancement.

During the reporting period, monitoring of environmental and social compliance was conducted across 220 completed schemes within nine districts. Staff systematically collected data through direct engagement with key stakeholders, particularly WUA members and local farmers. These discussions provided an opportunity to identify and address any potential environmental concerns, including issues such as water pollution, soil degradation, deforestation and over-irrigation. Response from the farmers was commonly positive, as no adverse environmental impacts were observed either during or after the construction activities. Furthermore, field verification visits validated that none of the project sites were situated in environmentally sensitive zones.

Farmers provided important feedback during the field visits, offering valuable insights into the tangible on-ground impacts of the project while also identifying potential areas for further improvement. Given that all interventions are carried out on lands belonging to these farming communities across the central, northern, and southern regions of the province, the project benefits from a collaborative approach to resource sharing, facilitated through close coordination with local stakeholders. During discussions, many farmers highlighted noticeable improvements in water availability, especially in areas that were previously underserved, such as the tail ends of watercourses. This increase in water access has enabled farmers to bring more land under cultivation, leading to higher production of crops, vegetables, and fodder. These gains are directly contributing to better livelihoods and economic stability in the region. Farmers also expressed hope that the KPIAIP would continue its support for sustaining and building on the progress achieved so far. While the improvements in irrigation and agricultural productivity are recognized as essential milestones for further growth, the continued capacity building of WUAs remains crucial for ensuring sustainable agricultural progress. Strengthening their skills and knowledge will be instrumental in maximizing the benefits of the project and fostering resilience in the face of future challenges.

### **Key Challenges faced by the Team**

1. **Heightened Security Protocols:** In light of recent political and security developments across the province, field teams have been directed to exercise heightened vigilance during their field visits. To ensure safety and seamless operations, they are required to maintain continuous communication and coordination with district officials. This proactive approach aims to mitigate any potential risks and ensure that project activities are not compromised.
2. **Internet Connectivity Challenges:** Due to intermittent or slow internet services in certain operational districts, FEs have been instructed to ensure precise and systematic data recording. To avoid delays in reporting, they are further advised to upload all collected data at their respective district offices of the OFWM using reliable Wi-Fi connections, ensuring the timely submission of field updates.



3. **Progress in Digital Data Management at KPIAIP:** Significant progress has been made in the cleaning and reconciliation of digital data for the M&EC and KPIAIP during the last quarter. Moving forward, IT staff from both the offices will continue their collaborative efforts to streamline data collection processes. This will involve developing mechanisms that enhance data quality, ensuring it is both accurate and readily accessible for timely decision-making and reporting.

### Next Month Activities of the M&EC

- Monthly and quarterly progress and monitoring reports will be submitted to the PIU as a crucial deliverable.
- Key experts will maintain close communication with the relevant staff at the PIU as needed to ensure seamless collaboration and advancement of the project.
- The IT team will hold targeted meetings with PIU experts regarding the MIS dashboard and data uploaded on the server.
- FEs will carry out site visits to the newly sampled schemes for impact data collection as per below plan.

Field Monitoring and Data Collection Target for the Month of October 2024		
Region	District	No. of Schemes Planned for the Visit
Central	Charsadda	16
	Peshawar	25
Northern	Malakand	27
	Swat	18
Southern	D I Khan	35
	Karak	21
	Lakki Marwat	28
Total		170

- Regular coordination meetings between KPIAIP and M&EC management will be scheduled to ensure the efficient achievement of targets and deliverables.
- The framework for case studies will be finalized soon, and the M&EC team is set to begin conducting focused case studies in the upcoming months.

## Annex I: Minutes of the Progress Review and Planning Meeting held in September 2024

### M&EC Staff Meeting on Progress Review and Planning on September 26, 2024

<b>Purpose</b>	Monthly Progress Review and Planning
<b>Location /site</b>	M&EC Project Office Peshawar
<b>Date</b>	September 26, 2024
<b>Time</b>	11:30 PM to 01:00 PM (Thursday)

### Participants of the Meeting

1. Mr. Intisar Ahmed (M&E Specialist)
2. Dr. Sajidin Hussain (Agri Expert) via WhatsApp
3. Mr. Amir Hadi (IT Expert) via WhatsApp
4. Mr. Zulqarnain (Environmental Expert) via WhatsApp
5. Mr. Mubarik Syed (Admin Assistant)
6. Mr. Umar Khan (HR and Admin)
7. Ms. Rakshanda Tayyab (M&E Assistant)
8. Ms. Sumayya Khan (Field Enumerator)
9. Mr. Iftikhar Bashir (Field Enumerator) via WhatsApp
10. Mr. Abdul Fattah (Field Enumerator) via WhatsApp
11. Mr. Shahryar (Field Enumerator)
12. Mr. Rafiqullah (Field Enumerator)
13. Mr. Faheem Ullah (Field Enumerator) via WhatsApp
14. Mr. Jawad Ahmed (Field Enumerator) via WhatsApp
15. Mr. Muhammad Hamza (Field Enumerator)
16. Mr. Waqar Younis (Field Enumerator) via WhatsApp
17. Mr. Wajahat Ullah (Field Enumerator)
18. Mr. Umar Saeed (MIS Technician)
19. Mr. Sohrab Khan (Data Analyst)
20. Mr. Aammad Ahmed Khan (Data Analyst)

### Agenda of the Meeting

1. Progress Review as per Work-plan submitted for September 2024
2. Work Planning for the month of October 2024
3. Update on Meetings held in PIU in the last month on Periodic Reporting

### Details of the Meeting

The meeting started with the recitation of the Holy Quran, followed by welcoming the participants and outlining important agenda points.

The staff presented a report on their office activities and the data collected during field visits. Mr. Jawad, Mr. Faheem, Mr. Iftikhar, Mr. Waqar and Mr. Abdul Fatah shared updates on the impact data collection, which was uploaded to the Kobo server during the month. The IT team and enumerators were asked to work on cleaning and conducting of analysis of data for the upcoming periodic reports. The summary details of the field visits against planned target as presented is given below in the table.



Target Vs. Achievement of September 2024 for the M&ECs Field Monitoring Visits			
Region	District	No. of Schemes Planned	Achieved during the Month
Central	Peshawar	25	25
	Charsaddah	16	16
	Nowshera	20	22
Northern	Swat	33	33
	Buner	07	07
Southern	D I Khan	40	40
	Kohat	27	25
	Karak	26	25
	Lakki Marwat	26	27
Total		220	220

The M&E Specialist outlined the targets for field visits for the upcoming month of October 2024, following thorough input and coordination with district officials of OFWM. It was agreed to conduct 170 sub-component site visits across the seven districts as per the details below.

Field Monitoring and Data Collection Target for the Month of October 2024		
Region	District	No. of Schemes Planned for the Visit
Central	Charsaddah	16
	Peshawar	25
Northern	Malakand	27
	Swat	18
Southern	D I Khan	35
	Karak	21
	Lakki Marwat	28
Total		170

The participants were informed that the pending reports of the last quarter on the newly agreed formats are being drafted in consultation with PIU staff. Hopefully the backlog will be covered in the coming month.

The meeting concluded with a vote of thanks to all participants.



## Annex II: Summary Detail of KPIAIP Schemes Visited by the M&amp;EC during the Month

District	Tehsil	Village	1.1: Name of the Scheme?	components	Coordinates latitude	Coordinates longitude
Peshawar	Badhber	SOREZAI	21200/L, Urmar Minor	A1.2	33.9474006	71.6669284
Peshawar	Peshawar	Mera Kacgori	59000/L, Hazar Khwani Branch	A1.2	33.9619347	71.6632043
Peshawar	Chamkani	URMAR MIANA	70000/L, HKBC	A1.2	33.9558175	71.6885665
Peshawar	Chamkani	Sardar Ghari	WC 114750/L Joe Sheikh Distry	A1.1	34.0243461	71.6313549
Peshawar	Mathra	Bache Kproona	24000/L WGC	A1.1	34.0782663	71.4128364
Peshawar	Badhber	Surizai Payan	96025/L WGC	A1.2	33.9671084	71.6168066
Peshawar	Pishtakhara	Afridi Road	500/L Mashogager Minor	A1.1	33.8747662	71.5369417
Peshawar	Badhber	Kandar Stop	WC 127000/L WLC	A1.1	33.849688	71.6251162
Charsadda	Tangl	Jinday	Mogha NO 2483/RT	A1.2	34.3412715	71.7000203
Charsadda	Tangl	Piran Kallay	Mogha No 4865/L	A1.1	34.347779	71.7283601
Charsadda	Tangl	HisaraNehri	Mogha No 19225/R chik 2	A1.2	34.3513869	71.7670626
Nowshera	Pabbi	Khudrizi	Mogha# 9500/R	A1.2	34.017358	71.7878956
D.I.Khan	Parao	Jattah	WC No: 37300/R D-13	A1.2	31.6400452	70.7821702
Nowshera	Pabbi	Pabbi	Mogha#167536/L	A1.3	33.9986363	71.7880947
D.I.Khan	Parao	Chah kharwala	WC No: 53270/L D-14	A1.2	31.8306134	70.8915157
D.I.Khan	D.I.Khan	Rakh Mandhran	WC No: 30653/R D-5	A1.2	31.8283335	70.8956145
D.I.Khan	D.I.Khan	Hisam	WC No: 16512/L D-4	A1.2	31.8253903	70.8913957
D.I.Khan	Parao	Qayyum Nagar	WC NO: 36500/L Mehmood Minor	A1.2	31.7365133	70.8353117
D.I.Khan	Parao	Jattah	WC No: 47220/L D-13	A1.2	31.8254901	70.8913771
D.I.Khan	D.I.Khan	Rakh Mandhran	WC No: 32300/R D-5	A1.3	31.694712	70.1212595
D.I.Khan	Parao	Qayyum Nagar	WC NO: 33100/L Mehmood Minor	A1.1	31.741924	70.8402243
D.I.Khan	Parao	Qayyum Nagar	WC No: 18295/L D-11A	A1.2	31.7319121	70.8126171
D.I.Khan	Parao	Fateh Mando	WC No: 51764/R D-13	A1.1	31.619925	70.8249867
D.I.Khan	Paharpur	Band Kurai	WC No: 1956/L Band Kurai Minor	A1.2	31.7264842	70.8481779
D.I.Khan	Parao	Kat Shahani	WC NO: 42800/TF	A1.3	31.8252247	70.891186
D.I.Khan	Parao	Bhutsaiser	WC NO: 21985/R D-19	A1.2	31.8253975	70.8913791
D.I.Khan	Parao	Gara Ashiq	WC No: 21270/L D-14	A1.2	31.8254047	70.891238
D.I.Khan	Parao	Rakh Ghas	WC No: 37850/R D-19	A1.2	31.825388	70.8912582
Peshawar	Shah Alam	Landi Daudzai	Sar Beland Khan LIS	A2.2	34.101659	71.6804445
Peshawar	Badhber	Adezai	Abul Kalam Civil Canal	A2.2	33.7914745	71.5779076
Peshawar	Badhber	Aza Khel	Subhan Sher TWC	A3	33.8377601	71.63066
Peshawar	Badhber	Urmar Miana	Shoab Rehman TWC	A3	33.8832172	71.7275199
Peshawar	Peshawar	Baghbanan	Yaqoob TWC	A3	33.8855843	71.7048976
Peshawar	Badhber	Adam Khan Kally	Hamid Usman TWC	A3	33.7622964	71.53902
Peshawar	Pishtakhara	Afridi Road	Suliman Khan TWC	A3	33.8692549	71.5367081
Peshawar	Badhber	Poray Say	Muhammad Jamali TWC	A3	33.8171981	71.5433193
Peshawar	Badhber	Mashogager	Muhamad Sadiq TWC	A3	33.8818609	71.5683513
Nowshera	Jehangira	Wattar	Niaz Amin TWWC	A3	33.9910088	72.0641641
Charsadda	Charsadda	Palosa	TWC Ismail Khan	A3	34.1288906	71.8398936
Charsadda	Charsadda	Yaseen Zai, Agra	TW+Canal Sajid Khan	A3	34.1430338	71.7126946
Charsadda	Tangl	Chindru Dag	Hayat Muhammad TWWC	A3	34.3182024	71.6753903
Swat	babozai	Gul Mera Maglaw	Muhammad Adil WC	A3	34.8219213	72.4936623
D.I.Khan	D.I.Khan	Long Kher Shah	Saad Ullah TW WC	A3	31.9878072	70.996753
D.I.Khan	Parao	Fateh Mando	Ghulam Jaffar TW WC	A3	31.6286575	70.8579501
D.I.Khan	Parao	Jhoke Ladhu	Muhammad Aqib TW WC	A3	31.7116306	70.8977061
Nowshera	Pabbi	Aman Kot	Mehboob Rehman TWWC	A3	34.0351236	71.8024972
D.I.Khan	Parao	Kat Jhoke Tahir	Asmat Ullah Khan TW WC	A3	31.750858	70.8763278
D.I.Khan	Parao	Malana	Zahid Latif TW WC	A3	31.7391035	70.8855756
D.I.Khan	Parao	Jhoke Jheda	Falak Sher TW WC	A3	31.6493917	70.8488121
D.I.Khan	Parao	Kat Jhok Tahir	Shafqat Ullah TW WC	A3	31.71717	70.8933378
D.I.Khan	Parao	Kat Jhoke Tahir	Muhammad Adnan TW WC	A3	31.7277627	70.9123635
D.I.Khan	Paharpur	Long Kher Shah	Muhammad Raheel TW	A3	31.9985358	70.9979166
D.I.Khan	Paharpur	Mandhrn	Muhammad Nawaz TW WC	A3	31.8254656	70.8913537
D.I.Khan	Parao	Kat Jhoke Tahir	Mehboob Ali TW WC	A3	31.7295198	70.8803483
D.I.Khan	Parao	Thath Sohlan	Muhammad Kashif Nazir TW WC	A3	31.8253709	70.8914384
D.I.Khan	Parao	Babar Kacha	Shahjahan TW WC	A3	31.825397	70.8912654
D.I.Khan	Parao	Jhoke Ladhu	Qamar Ud Din TW WC	A3	31.7240863	70.9092428
D.I.Khan	Parao	Thath Sohlan	Allah Wasaya TW WC	A3	31.8254771	70.891278
D.I.Khan	Parao	Jhoke Ladhu	Tariq Habib TW WC	A3	31.7132823	70.9026709

D.I.Khan	Parao	Kat Jhoke Tahir	Shehla Gul TW WC	A3	31.7155811	70.8910417
D.I.Khan	D.I.Khan	Mandhran Saldan	Bakhtawar Khan TW WC	A3	31.8253872	70.8913143
D.I.Khan	Paharpur	Dahotar	Bilal Farhat TW WC	A3	31.8253895	70.8913532
D.I.Khan	D.I.Khan	Mandhran Saldan	Khan Zaman TW Wc	A3	31.8254631	70.8913043
D.I.Khan	Paharpur	Long Kher Shah	Bashir Ahmad TW WC	A3	31.9948432	71.0064563
D.I.Khan	Parao	Jhoke Makha	Samar Iqbal TW WC	A3	31.8546914	70.9067599
Buner	Daggar	Mulayousaf	T/W WC Aslam Khan	A4	34.47021	72.4160986
Buner	Mandanr	agra	T/w W/c Sherzad ullah	A4	34.3811222	72.5240005
Buner	Mandanr	Koga	T/w W/c Ghani Akbar	A4	34.3967529	72.5016345
Buner	Mandanr	Koga	T/w W/c Mukramin Khan	A4	34.3983487	72.5123425
Kohat	Kohat	Dhoda	Muhammad Amin TW/WC	A4	33.4636183	71.4983354
Kohat	Manda Khel	Manda Khel	Hamesh Gul TW/WC	A4	33.41744	71.5563333
Kohat	Kohat	Dhoda	Nasur Ullah	A4	33.4799839	71.5209092
Buner	khadiokhail	Sura	T/w W/c Amir Zada	A4	34.3947012	72.5556373
Buner	Daggar	Mulayousaf	T/W WC Yousaf Zar	A4	34.4754823	72.428696
Kohat	Kohat	Kamal Khel	Mohabat Shah	A4	33.4207228	71.550959
Kohat	Kohat	Dhoda Sharif	Javed Iqbal	A4	33.4801737	71.5218366
Kohat	Lachi	Lachi	Irfan Ullah Khan TW/WC	A4	33.3719988	71.3336418
Kohat	Lachi	Sumari	Raza Khan	A4	33.4694805	71.3248789
Peshawar	Badhber	Tela Band	Jamdad TWC	A4	33.8910741	71.6334039
Peshawar	Badhber	Sharikera	Gul Azam TWC	A4	33.750973	71.6115024
Karak	Tekhti Nasrat	Wagi Banda	Raza Khan WC	A4	32.9702408	71.0512318
Karak	Tekhti Nasrat	Jahangeri	Naseem Ullah WC	A4	32.9585443	70.9923075
Karak	Tekhti Nasrat	Yaqoobi Kala	Wali Khan WC	A4	32.9268934	70.998291
Karak	Tekhti Nasrat	TakhtiNasrati	Khalid Usman WC	A4	33.0182382	71.0705273
Karak	Tekhti Nasrat	Fateh Khan Banda	Muhammad Aslam WC	A4	32.89149	71.0349885
Kohat	Kohat	Kot	Abdullah Shah TW/WC	A4	33.483963	71.5453659
Kohat	Kohat	Dhoda	Rehmat Gul TW/WC	A4	33.4729684	71.5306329
Kohat	Kohat	Kot	Haq Nawaz TW/WC	A4	33.4818557	71.5518466
Kohat	Lachi	Sumari Paya	Ramdat	A4	33.4651676	71.5024963
Kohat	Kohat	Kharmato	Ghani Ur Rehman TW/WC	A4	33.5086471	71.5283874
Kohat	Kohat	Kot	Shoukat Ali Khan TW/WC	A4	33.4917993	71.5417118
Kohat	Kohat	Kharmato	Amir Khan TW/WC	A4	33.4893068	71.5107661
Karak	Tekhti Nasrat	Kashmiri Banda	Naqeebullah WC	A4	32.8527034	70.962672
Karak	Tekhti Nasrat	Yaqoobi Kala	Hussain WC	A4	32.9227558	70.9945828
Karak	Karak	SoorDaag	MudassirMehmood WC	A4	33.0991681	70.9401169
Karak	Karak	Sharif Wala	Roman WC	A4	33.0732066	70.8881513
Karak	Karak	AkarWala	Muhammad Ismail WC	A4	33.0749584	70.899214
Karak	Karak	Mandawa	Taji ud Din WC	A4	33.0371105	70.842515
Swat	Barikot	Landakay Barikot	Mohammad Fayaz PWC	A4	34.6596509	72.1385114
Swat	Barikot	Kandak	Nazar Hussain PWC	A4	34.6328561	72.1894399
Swat	Barikot	Not Maira	Ishaq Khan PWC	A4	34.6592429	72.2252579
Swat	kabal	Kuza bandal Kabal	Zakir PWC	A4	34.8287072	72.3710954
Swat	Barikot	Khazana Barikot	Gul Bacha PWC	A4	34.7262316	72.1650265
Swat	Barikot	Barikot	Fawad Ali PWC	A4	34.6603733	72.2515247
Kohat	Gumbat	Nari Kak	Muhamamd Fayaz TW/WC	A4	33.5092606	71.5830815
Kohat	Gumbat	KohatiDhok	Dost Muhammad TW/WC	A4	33.4924282	71.5917781
Kohat	Kohat	Togh Bala	Zarif Khan	A4	33.5646914	71.5021495
Kohat	Gumbat	Billitang	Muhammad Ishtiaq	A4	33.4865553	71.5865913
Kohat	Gumbat	Nari Kak	Lachi Khan	A4	33.5039379	71.58528
Kohat	Gumbat	Gandiale	Asif Khan TW/WC	A4	33.5106367	71.6065883
Kohat	Gumbat	Gandiale	Rehmat Ullah TW/WC	A4	33.5105593	71.6034065
Peshawar	Badhber	Sharekera	Wajid Khan TWC	A4	33.7689328	71.6295644
Swat	kabal	Maloch	Aziz Khan PWC	A4	34.8426176	72.2969289
Swat	kabal	kala kalay	Khan Nawab PWC	A4	34.8519273	72.2893135
Kohat	Kohat	Sour Gull	Zahid Jan TW/WC	A4	33.4977738	71.4151353
Kohat	Kohat	Shaheeda Banda	Abdul Hameed No.1 TW/WC	A4	33.5079712	71.4800386
Swat	Barikot	Kota	Masal Khan PWC	A4	34.6457707	72.1566625
Swat	Barikot	Kota Barikot	Fazle Rabi PWC	A4	34.6394699	72.1644036
Swat	Barikot	Kota	mohammad nawab pwc	A4	34.6381375	72.1537973
Swat	kabal	Bara Samai	Bakht Mandyar PWC	A4	34.9329374	72.2297012

Swat	Barikot	Nawakali	Talemand PWC	A4	34.6557014	72.1652602
Swat	Barikot	talang	Umar Nasir PWC	A4	34.6094744	72.1447072
Swat	charbagh	zangai	Gul Farin PWC	A4	34.8571331	72.4913406
Swat	Barikot	Not Maira	Waqar Ali Khan PWC	A4	34.6596971	72.2293768
Swat	Barikot	Churkhi	Ahmad Khan PWC	A4	34.6235526	72.1409233
Nowshera	Pabbi	Speen Kana	Tajamul TWWC	A4	33.9266276	72.0230806
Nowshera	Nowshera	Bahader Khel	Raz Ali TWWC	A4	33.9228346	72.0168066
Lakki Marwa	Ghazni Khel	Bachkan Ahmadza	Irfan Ullah Khan Watercourse	A4	32.6843018	70.6990448
Lakki Marwa	Ghazni Khel	Bachkan Ahmadza	Parvez Khan Watercourse	A4	32.6821132	70.7038418
Lakki Marwa	Ghazni Khel	Bachkan Ahmadza	Mujeeb ur Rehman Watercourse	A4	32.6837681	70.6930366
Lakki Marwa	Lakki Marwat	Baji Mughal Khel	Bismila Jan TW W/C	A4	32.7113711	70.6494909
Lakki Marwa	Lakki Marwat	Baji Mughal Khel	Gul Zaman TW W/C	A4	32.70651	70.645742
Lakki Marwa	Ghazni Khel	Baji Mughal Khel	Alamgir Khan Watercourse	A4	32.7094138	70.6495617
Lakki Marwa	Ghazni Khel	Baji Mughal Khel	Kiramut Ullah Watercourse	A4	32.7171142	70.658497
Swat	Barikot	Kandak	Razi Mand PWC	A4	34.6366317	72.1937836
Swat	Barikot	Kandak	Said Rehman PWC	A4	34.6375425	72.1890488
Nowshera	Jehangira	Suraya Khel	Fazil TWWC	A4	33.9827667	72.0866733
Charsadda	Tangi	Koz Behram Dheri	PWC Taj Muhammad Said	A4	34.4082044	71.7317508
Charsadda	Tangi	Sado Kallay Behra	Gohar Zaman	A4	34.4168693	71.7549048
Charsadda	Tangi	Koz Behram Dheri	PWC Ijaz Khan	A4	34.4127102	71.7561
Charsadda	Tangi	Behram Dheri	Shamshad	A4	34.4204937	71.7531391
Charsadda	Tangi	Bara zai	Jan Nisar PWC	A4	34.3979094	71.6667356
Lakki Marwa	Ghazni Khel	Guli Khel	Shareen Jan Watercourse	A4	32.6331061	70.5011853
Lakki Marwa	Ghazni Khel	Tari Khel	Qudrat Ullah Watercourse	A4	32.6119509	70.5882209
Lakki Marwa	Ghazni Khel	Baji Adam Khan	Khalil-ur-Rehman Watercourse	A4	32.713433	70.6615753
Lakki Marwa	Ghazni Khel	Bachkan Ahmadza	Wali Dad Khan Watercourse	A4	32.6886217	70.7033427
Lakki Marwa	Ghazni Khel	Suleman Khel	Gulistan Watercourse	A4	32.656754	70.4990928
Lakki Marwa	Ghazni Khel	Daraki Tajori	Jan Khan Water Course	A4	32.6247471	70.5459584
Swat	babozai	Marghuzar	Taj Muhammad PWC	A4	34.6516076	72.3537469
Charsadda	Tangi	Torkhat	Hazrat Khan PWC	A4	34.4033714	71.6660224
Charsadda	Tangi	Palay Qaila Behra	PWC Sher Baz Khan	A4	34.4049677	71.6640225
Charsadda	Tangi	Behram Dheri	Imrad Ullah	A4	34.3826026	71.6480851
Charsadda	Tangi	Manan Baba kalay	Muhammad Dawood PWC	A4	34.3770116	71.6436006
Charsadda	Charsadda	Kier ra	PWC Abdullah	A4	34.3603342	71.6047022
Swat	charbagh	Allah Abad Charba	Sana Ullah PWC	A4	34.8517285	72.454467
Lakki Marwa	Ghazni Khel	Kotak Dary Khan B	Usman Ullah Water Course	A4	32.6440271	70.5077336
Lakki Marwa	Ghazni Khel	Kotak Sher Mast	Muhammad Umer Water Course	A4	32.6857526	70.6458637
Lakki Marwa	Ghazni Khel	Awat Khel	Ramzan Watercourse	A4	32.6519895	70.4944945
Lakki Marwa	Serai Naurang	Gandi Umer Chika	Sharif Ullah Water Course	A4	32.7526113	70.81325
Lakki Marwa	Ghazni Khel	Umer Abad	Aziz Khan Watercourse	A4	32.6794	70.7258169
Lakki Marwa	Ghazni Khel	Umer Abad	Arshad Jameel Watercourse	A4	32.6940004	70.7069468
Lakki Marwa	Ghazni Khel	Bachkan Ahmadza	Naseer Muhammad Watercourse	A4	32.6413166	70.6925717
Lakki Marwa	Lakki Marwat	Bachkan Ahmadza	Mushtaq Ahmad TW W/C	A4	32.6566632	70.7286041
Lakki Marwa	Ghazni Khel	Bachkan Ahmadza	Farid Ullah Watercourse	A4	32.6636469	70.7120014
Lakki Marwa	Ghazni Khel	Kotka Khaidar Kha	Zahir U Din Watercourse	A4	32.66285	70.7508817
Lakki Marwa	Serai Naurang	Gandi Umer Chika	Abdul Majeed Khan WC	A4	32.724729	70.8303323
Nowshera	Jehangira	Wattar	Wajahat Khan TWWC	A4	33.9730051	72.0696066
Nowshera	Jehangira	Wattar	Bakhtiar Amin TWWC	A4	33.9689309	72.0553318
Buner	Khadokhel	Panjtaar	WST Dilawar Khan	B2	34.2238734	72.534658
Peshawar	Chamkani	SHAMSHATO	Akhtar Ali wst	B2	33.836902	71.734904
Peshawar	Badaber	Baghbanan	Yaqoob WST	B2	33.8855875	71.7048229
Peshawar	URMAR PAYA	URMAR PAYAN	Muhammad Haroon wst	B2	33.892954	71.743605
Peshawar	Peshawar	Urmir Miana	Khan Salam WST	B2	33.9272601	71.754516
Karak	Takhti Nasrat	Manzini Banda	Abdul Subkhan WST	B2	32.9369735	70.964547
Karak	Takhti Nasrat	Kari Dhand	Maliz Ullah WST	B2	32.875348	70.9880574
Karak	Takhti Nasrat	Kari Dhand	Muhammad Taif WST	B2	32.8680347	70.9813174
Peshawar	Badaber	Azakhel	Yasin Shah WST	B2	33.8493072	71.6157093
Karak	Karak	Changhos	Shahid Ullah WST	B2	33.093027	70.8389902
Karak	Karak	Aral Tor Adam Bar	Gul Ahmad Khan WST	B2	33.0915492	70.8218391
Karak	Takhti Nasrat	Ghundi Kalla	Gulladar Khan WST	B2	33.0509116	71.0213987
Karak	Karak	Shobli Banda	Naveed Ur Rehman WST	B2	33.0975302	70.8986575

Karak	Karak	Kass Banda	Talmoor Khan WST	B2	33.0989802	70.8431368
Swat	kabal	Bekarai shah	Nayer Ali WST	B2	34.8386667	72.28689
Kohat	Kohat	Shah Pur	Iftekhar Hameed WST	B2	33.5569228	71.3995777
Kohat	Kohat	Usterzal Payan	Syed Muhammad Shah WST	B2	33.642968	71.2477103
Swat	Barikot	Malkidam	Sher Alam Khan WST	B2	34.6524985	72.1905011
Swat	kabal	Tarkano	Jamil Khan WST	B2	34.8874498	72.3100701
Swat	kabal	tali	Atta Ullah WST	B2	34.9186852	72.219816
Swat	charbagh	Toha	Wajid ali khan WST	B2	34.8544021	72.5197151
Karak	Karak	Soor Daag	Mudassir Mehmood WST	B2	33.0992758	70.9401208
Karak	Karak	Sharif Wala	NahidUllah WST	B2	33.0842797	70.8820465
Karak	Karak	Nazim Abad	Ibrahim WST	B2	33.0748577	70.8812765
Karak	Karak	Latambar	Sikandar Azam WST	B2	33.0911599	70.8788446
Nowshera	Nowshera	Dheri Kati Khel	Darwesh Khan WST	B2	33.9828883	72.0509967
Nowshera	Pabbi	Dag Ismail Khel	Naeem Uddin WST	B2	33.8791469	71.7832787
Nowshera	Nowshera	Tangi khattak	Malik Tabish Ibrar WST	B2	33.9302566	72.0110415
Nowshera	Nowshera	Gul Dheri	Mughesuddin WST	B2	33.9469914	72.0904949
Nowshera	Nowshera	Maraji Payan	Almas Khan WST	B2	33.913262	71.9920972
Nowshera	Jehangira	Chasma	Tasbeeh Ullah WST	B2	33.9611065	72.1442348
Nowshera	Nowshera	Badrashai	Taj Khan WST	B2	33.977535	72.0323867
Karak	Karak	Akar Wala	Farhat Ullah WST	B2	33.0695592	70.9042027
Swat	Barikot	Malkidam	Sajjad Khan WST	B2	34.6356981	72.1973379
Swat	Barikot	Churkhi	Dil Rose WST	B2	34.6235704	72.1401349
Swat	Barikot	Kandak	Muhammad Hussain WST	B2	34.6271904	72.1896088
Nowshera	Pabbi	Dag Ismail Khel	Umar Gul WST	B2	33.8727775	71.7859839
Karak	Takhti Nasrat	Nazi KhelYaghiMu	Muhammad Naeem WST	B2	32.9709421	70.9780666
Swat	charbagh	Ashar Banr	MOHAMMAD ISHAQ WST	B2	34.8614735	72.4955739
Swat	charbagh	Toha	Zahid WST	B2	34.8576228	72.5030638
Swat	Babuzai	Dangram	Zafar iqbal WST	B2	34.763121	72.4124936
Nowshera	Nowshera	Walai	Hassan Khan WST	B2	33.9899473	72.0641089
Nowshera	Nowshera	Walai	Chan Badshah WST	B2	33.96226	72.06212
Nowshera	Nowshera	Meraji Payan	Sardar Hussian Khattak WST	B2	33.91867	71.9618733
Lakki Marwa	Lakki Marwat	Daraka Aziz Khan	Habib Ullah Khan W.S.Tank	B2	32.6667542	70.5510437
Lakki Marwa	SERAI NOURA	Mangala	Sanoor Rehman W.S.Tank	B2	32.7825111	70.8943979
Nowshera	Nowshera	Manki Sharif	Pirzada Noor WST	B2	33.9313378	71.9816658
Nowshera	Nowshera	Manki Sharif	Sadiq Nawaz WST	B2	33.9151183	72.0057964
D.I.Khan	Paroa	Jhoke Ladhu	Tariq Habib TW WST	B2	31.7133401	70.9031761
Lakki Marwa	Lakki Marwat	Mash Masti Khani	Payo Khan W.S.T-II	B2	32.8167131	70.895561
D.I.Khan	D.I.Khan	Diyali	Arif Saeed TW WST	B2	31.8254009	70.891356
D.I.Khan	Paroa	Paroa	Ishaq Ahmad Sajee TW WST	B2	31.8254265	70.8913939