

WATER STEWARDSHIP

Report on Water Performance of the Philip Morris
(Pakistan) Limited (PMPKL), Mardan



LAST UPDATE 10/2026



Water scarcity means that available water is insufficient to meet demand. This report focuses on the water-related risks and stewardship actions relevant to PMPKL Mardan and its catchment. Growing populations, economies, water-related risks as well as climate change have provoked an increase in demand, competition and conflicts over freshwater resources, that are becoming ever more limited.

Philip Morris (Pakistan) Limited (“PMPKL”) is an affiliate of Philip Morris International (“PMI”). PMPKL is a publicly listed company incorporated under applicable laws with its Head Office in Karachi, a cigarette manufacturing factory in Sahiwal and green leaf threshing unit in Mardan. As part of PMI’s commitment to implement the Alliance for Water Stewardship (AWS), PMPKL is working to adopt a more sustainable water use both on-site and in the territorial context in which it operates. PMPKL’s GLT factory in Mardan is working towards Core Level AWS certification and has formalized its commitment to water stewardship principles and outcomes. This report describes implementation progress and does not claim that certification has been awarded.

By implementing the AWS Standard, PMPKL Mardan is working towards offering a credible, globally-applicable framework for other major water users and Stakeholders in the catchment, with the scope of encouraging their understanding of water use, impacts and shared water-related risks. The long-term aim is to join forces and set fundamental stepping stones for synergic and meaningful collaborations towards sustainable water management practices within the local territory in which we all live and operate.

Over the upcoming years, PMPKL Mardan aims to progressively strengthen its commitment as a water steward. PMPKL Mardan’s scope is to raise awareness on shared water-related challenges, such as degrading surface water quality, provision of safe Water, Sanitation and Hygiene (WASH), flashfloods and baseline water stress, and actively contribute to addressing these risks with projects, actions and campaigns in collaboration with relevant Stakeholders of the local territory.

Dealing with a shared resource, such as water, requires working in a transparent, collaborative and synergic way with relevant figures in a catchment area: actions and projects cannot be limited to a site’s physical boundary alone.

PMPKL Mardan factory is proud of this journey that it is undertaking and, although the path to build a sustainable future is still ongoing, its AWS implementation programme aims to improve water management at the site and across the catchment.

**The PMPKL Mardan Pakistan AWS
TEAM**

PMPKL Mardan's Commitment to water stewardship and AWS outcomes, signed by Abid Javed, Director Leaf, Pakistan, is illustrated below and available both in English and Urdu.

1st February, 2026

PMPKL Water Stewardship Commitment

Philip Morris Pakistan Limited ("PMPKL"), as a result of its commitment to good water stewardship, undertakes to implement following measures at its Green Leaf Threshing plant situated at 22nd KM Mardan Swabi Road - Mardan:

1. Endorse, sustain and support the Alliance for Water Stewardship ("AWS") principles and 5 outcomes: i) good water governance, ii) sustainable water balance, iii) good water quality, iv) good conservation of important areas related to water, and v) safe water, sanitation and hygiene;
2. Engage and involve stakeholders in an open and transparent way;
3. Comply with any legal and regulatory requirements related to water;
4. Respect water-related rights, including ensuring appropriate access to safe water, sanitation, and hygiene for all persons at Site;
5. Support and coordinate with stakeholders (internal and external) for implementation of plans and policies, including working together to meet the right to water and sanitation;
6. Implement the AWS standard in alignment with existing catchment sustainability plans;
7. Improve and continually adapt the actions and plans for water stewardship of the Site in order to mitigate shared water related risks;
8. Implement and disclose progress on water stewardship programs to achieve improvements in AWS water stewardship outcomes;
9. Maintain the organizational capacity required to successfully implement the AWS Standard, through necessary resources required to accomplish the implementation and maintenance of requirements of the AWS Standard i.e., improving water quality, water sanitation and hygiene, reduce water wastage, etc.;
10. Disclose relevant information related to water.



Director Leaf, Pakistan

Abid Javed

1 فروری 2026

بی ایم پی کے ایل واٹر اسٹیورٹشپ کا عزم

- فلپ مورس پاکستان لمیٹڈ ("بی ایم پی کے ایل") پانی کی اچھی دیکھ بھال کے عزم کے نتیجے میں، 22 ویں کلومیٹر مردان صوبائی روڈ - مردان میں واقع ایسے گرین لیف ٹھہرہنگ پلانٹ میں مندرجہ ذیل اقدامات پر عمل درآمد کا عہد کرتا ہے:
1. الاٹنس فار واٹر اسٹیورٹشپ ("اے ڈبلیو ایس") کے اصولوں اور 5 نتائج کی توثیق، برقرار اور حمایت: (1) اچھی پانی کی حکمرانی، (2) یائیدار پانی کا توازن، (3) پانی کا اچھا معیار، (4) پانی سے متعلق اہم حلقوں کا اچھا تحفظ، اور (5) صاف پانی، صفائی ستھرائی اور حفظان صحت؛
 2. اسٹیک ہولڈرز کو کھلے اور شفاف طریقے سے شامل کریں؛
 3. پانی سے متعلق کسی بھی قانونی اور ریگولیٹری تقاضوں کی تعمیل کریں؛
 4. پانی سے متعلق حقوق کا احترام کریں، بشمول سلاٹ پر تمام افراد کے لئے محفوظ پانی، صفائی ستھرائی اور حفظان صحت تک مناسب رسائی کو یقینی بنانا؛
 5. منصوبوں اور پالیسیوں کے نفاذ کے لئے اندرونی اور بیرونی اسٹیک ہولڈرز کے ساتھ تعاون اور رابطہ کریں، بشمول پانی اور صفائی ستھرائی کے حق کو پورا کرنے کے لئے مل کر کام کرنا؛
 6. موجودہ کیچمنٹ پائیداری کے منصوبوں کے مطابق اے ڈبلیو ایس معیار کو نافذ کریں؛
 7. مشترکہ پانی سے متعلق خطرات کو کم کرنے کے لئے سلاٹ کے پانی کی دیکھ بھال کے اقدامات اور منصوبوں کو بہتر بنانا اور مسلسل ڈھالنا؛
 8. اے ڈبلیو ایس واٹر اسٹیورٹشپ کے نتائج میں بہتری حاصل کرنے کے لئے واٹر اسٹیورٹشپ پروگراموں پر پیش رفت کا انکشاف کریں؛
 9. اے ڈبلیو ایس اسٹیورٹشپ کے کامیاب نفاذ کے لئے درکار تنظیمی صلاحیت کو برقرار رکھنا، بشمول ضروری وسائل کے ذریعے اے ڈبلیو ایس اسٹیورٹشپ کی ضروریات کے نفاذ اور دیکھ بھال کو پورا کرنا، یعنی پانی کے معیار کو بہتر بنانا، پانی کی صفائی اور حفظان صحت کو بہتر بنانا، پانی کے ضیاع کو کم کرنا وغیرہ؛
 10. پانی سے متعلق متعلقہ معلومات کا انکشاف کریں۔

ڈائریکٹر لیف، پاکستان

عابد جاوید

Water-related internal governance

Organizational chart



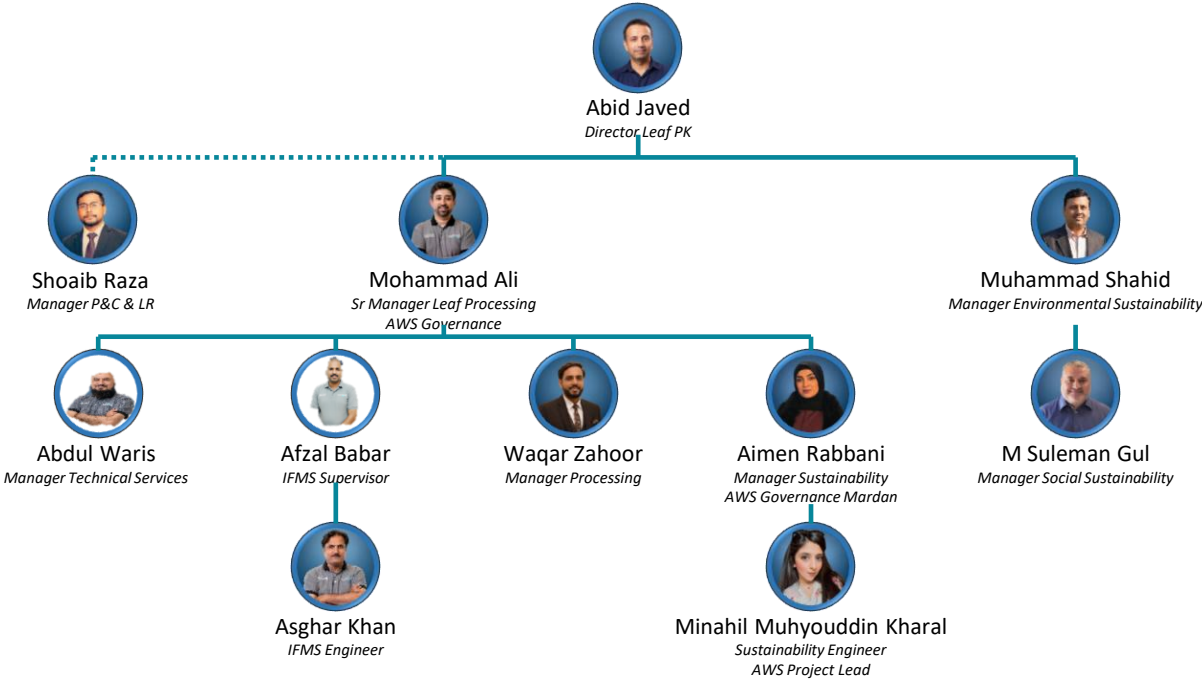
Abid Javed
Director Leaf PK

In Philip Morris Pakistan Limited (Mardan plant), the **internal governance** for **water management** involves several key positions **responsible** and **accountable** for water management activities as well as compliance obligations with **water-related laws** and **regulations** within our premises.

Our water-related internal governance team is committed to ensuring responsible and sustainable use of our water resources, compliance with relevant standards, laws and regulations, as well as mitigation and prevention of potential water-related risks within our premises.

The **organizational chart** of the water-related internal governance team well as their **roles** and **responsibilities** are illustrated below:

PMPKL GLT Mardan



With Special Support From

Kulsum Khan
Legal Counsel

Chiara Rizzi
Manager Global AWS
Certification & Env.

Pinto Irene
Global Sustainability

WE CARE

WE ARE BETTER TOGETHER

WE ARE GAME CHANGERS

Water-related internal governance and stewardship

Roles and responsibilities



<i>Director Leaf, Pakistan</i>	• Ensures implementation of AWS procedure and prompt response to complaints • Ensures that AWS Commitment is in place • Sponsor of the project
<i>Manager Sustainability</i>	• Ensures Environment, Health and Safety compliance and governance within the organization • Main sponsor of sustainability projects • Promotion of sustainability best practices within the organization • Share water challenges with site leadership team
<i>Sustainability Engineer / AWS Project Lead</i>	• Leads Alliance for Water Stewardship Team • Consolidation of gathered evidence and preparation for Audit • Development, review and evaluation of WSP • Ensures compliance with legal, PMI requirements and AWS Standard Requirements • Ensures that water balance, KPIs are in place • Liaises with regulators, internal and external stakeholders • Reports disclosure • Identifies opportunities for improvement and initiatives targeting 5 main outcomes • Identifies and ensures that water related improvements and initiatives are done as per WSP • Ensures investigation of water-related incidents and action to mitigate and prevent recurrence • Coordinates the preparation of water related meetings and workshops • Engages with institutional stakeholders for water related project in the catchment area
<i>IFMS Engineer</i>	• Executes site water balance and identifies WEI/KPIs • Ensures legal compliance (work permit, drinking water sampling, etc.) • Ensures that the wastewater treatment plant and /or other water related infrastructures are running effectively and efficiently • Leads investigation of water and wastewater related non-conformities • Works with all departments to identify water-related improvement actions • Cooperates with the Sustainability Department in the water glidepath preparation

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Water-related internal governance and stewardship

Roles and responsibilities



<i>Project Engineer / IFMS Engineer / LEAF (IFMS or LEAF are responsible where Project Engineer is not established)</i>	• <i>Prepares project business case</i> • <i>Prioritizes projects and ensures budget approval</i> • <i>Leads project execution to be within the agreed schedule</i> • <i>Coordinates contractor activities</i>
<i>Internal Communications</i>	• <i>Leads internal communications masterplan</i> • <i>Coordinates with Sustainability and Project department in the preparation of water related internal communications, campaigns and events</i>
<i>External Affairs</i>	• <i>Leads External Communication with key stakeholders (industrial & institutional)</i> • <i>Support the preparation of water related webinars and external workshops</i> • <i>Engages institutional stakeholders for water-related project in the catchment area</i> • <i>Liaises with regulators and external stakeholders (industrial and institutional) - EA actively collaborates with EHS (communication to the authorities, charity contribution, social contribution, etc.)</i> • <i>Coordinates external communication activities through socials and corporate website</i>
<i>Manufacturing Representative</i>	• <i>Ensures that Manufacturing process water consumption is under control</i> • <i>Leads water related overconsumptions investigation and prepares dedicated action plan</i> • <i>Identifies water-related improvement actions in Manufacturing processes</i> • <i>Defines and controls manufacturing equipment water settings</i> • <i>Support water related improvement actions in Manufacturing processes</i> • <i>Collaborates with IFMS and Sustainability department regarding water-related topics (consumption, overconsumption, leakages, incidents, etc.)</i>
<i>Corporate Digital Executive (where appointed)</i>	• <i>Coordinates external communication activities through socials and corporate website</i>

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Water-related internal governance and stewardship

Roles and responsibilities



This document must be reviewed annually or in any case of change.

Version	Responsible	Effective date	Reason of revision
1.0	Jovan Piljevic	June 2026	Document creation
1.1	Manahil Tariq	September 2026	Document Application on PMPKL with R&R for site
1.2	Minahil Kharal	October 2026	Change of personnel

WE CARE

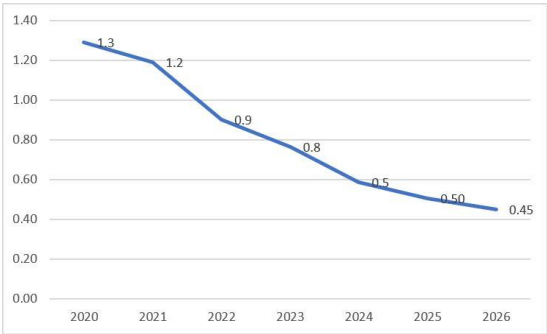
WE ARE BETTER TOGETHER

WE ARE GAME CHANGERS

The progressive and on-going AWS Standard implementation in PMPKL Mardan is leading to the implementation of two types of initiatives:

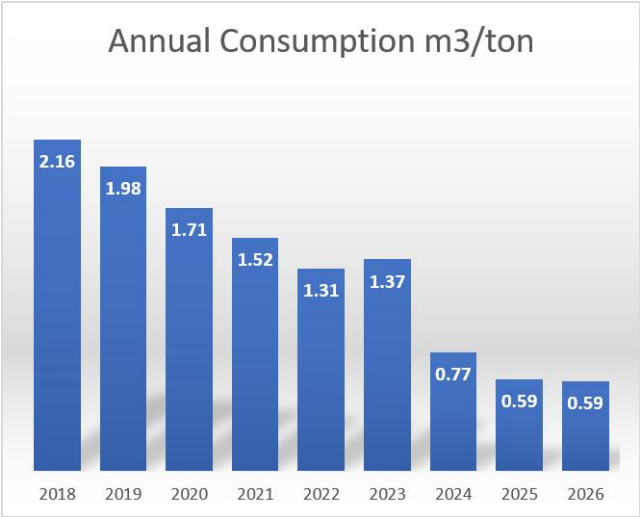
- **Social actions**, which include participation in synergic community-based projects, gathering water-related data to assess water risk hotspots and prioritize mitigation actions, as well as engagement activities with local Stakeholders, such as the execution of awareness workshops, best-practice sharing and feedback requests
- **Technological actions**, which include implementation of water saving technologies, settings and related best practices, which resulted in an immediate benefit due to the reduction of the amount of potable groundwater removed from the catchment territory

Water-use intensity (WEI) measures m³ of water per ton of packed tobacco. The left chart covers the processing season. The right chart covers annual reporting, with 2026 shown through September (YTD).



Processing-season WEI decreased from 1.30 m³/ton in 2020 to 0.45 m³/ton in 2026.

Using the displayed values, intensity fell by 0.30 m³/ton from 2023 to 2024 and by 0.05 m³/ton from 2024 to 2026. These are intensity reductions, not total water volumes.



Annual water-use intensity fell from 0.77 m³/ton in 2024 to 0.59 in 2025. The 2026 YTD value is also 0.59, unchanged at the displayed precision.

Measures include condensate recovery, leak repairs, closure of redundant water points, sub-metering, tap controls and rainwater harvesting.

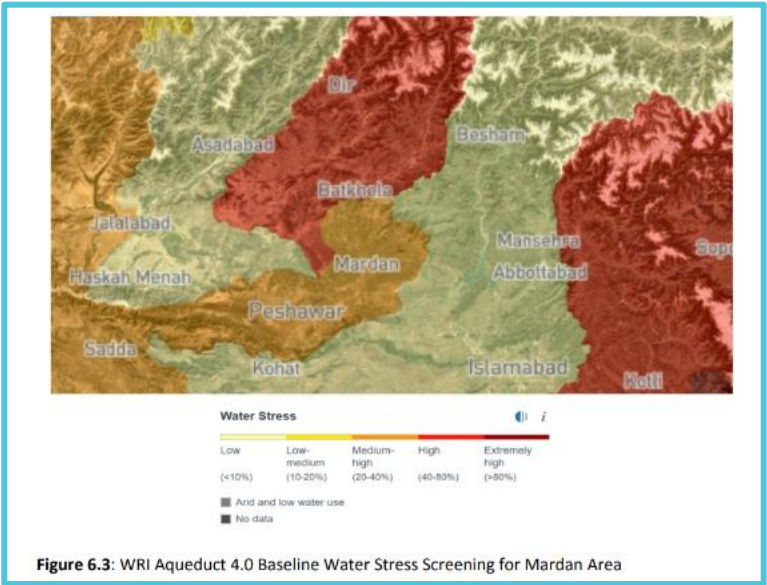
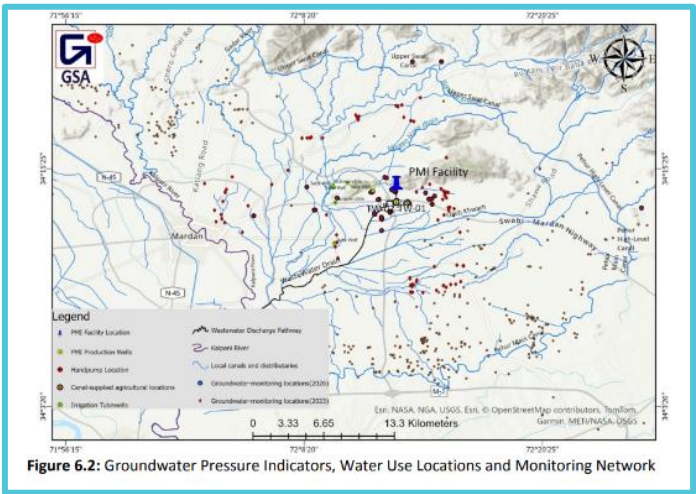
Water Risk Assessment



The assessment for water challenges and risk at PMPKL Mardan site and catchment identified **three key water-risk areas: water availability and groundwater pressure, water quality and pollution, and climate- and infrastructure-related risks**. These risks reflect both the site's dependence on groundwater and its connection with the wider catchment and shared water infrastructure.

Water Availability and Groundwater Pressure

The Mardan site is dependent on the **Peshawar Valley aquifer system**, which is also used by surrounding communities and agricultural users. The WRI Aqueduct 4.0 screening classifies the Mardan area as having **medium-high baseline water stress**. Groundwater monitoring also provides localized indications of pressure on the aquifer, although the available observations are not sufficient to establish a long-term groundwater trend.



Water Quality and Pollution Risk



Water-quality monitoring highlights localized groundwater concerns around the site.

Total dissolved solids (TDS): TW-8 has the highest bars, decreasing from 2024 to 2026. TW-15 remains broadly stable between 2025 and 2026.

Coliforms: The 2025 bars show detections at TW-10, TW-13, TW-14 and TW-15. Blank 2024/2026 series do not distinguish zero results, non-detects or missing data. Laboratory records must confirm their meaning.

The charts omit numerical scales and sampling dates, so exact readings and comparison limits require confirmation. Drainage pathways indicate a potential link to the Kalpani River, supporting continued monitoring and source protection.

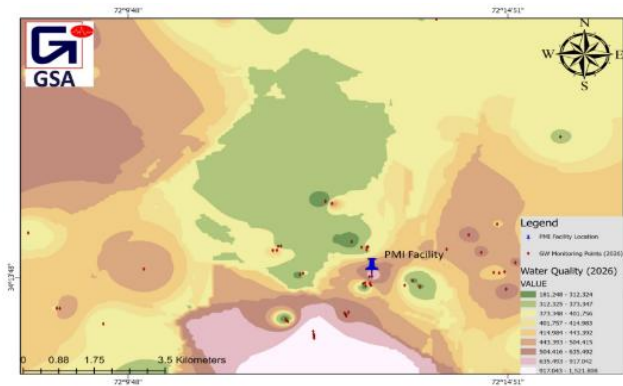
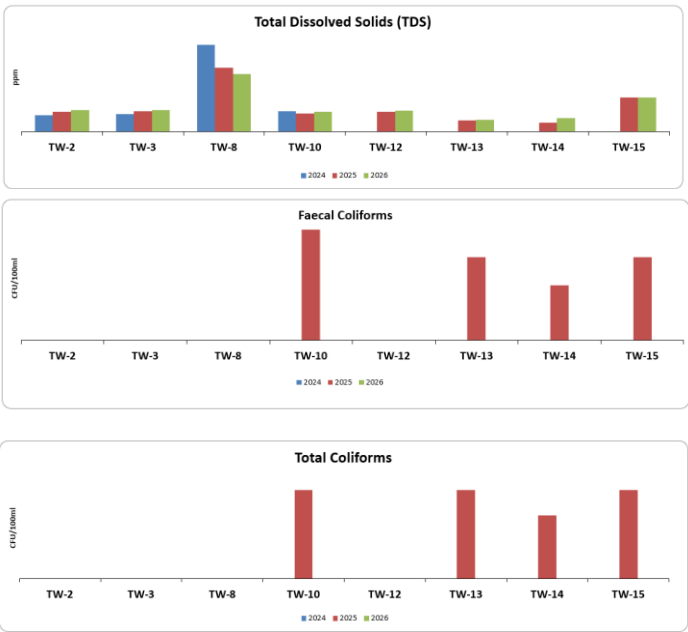


Figure 7.3: Water Quality Monitoring Points (2026)

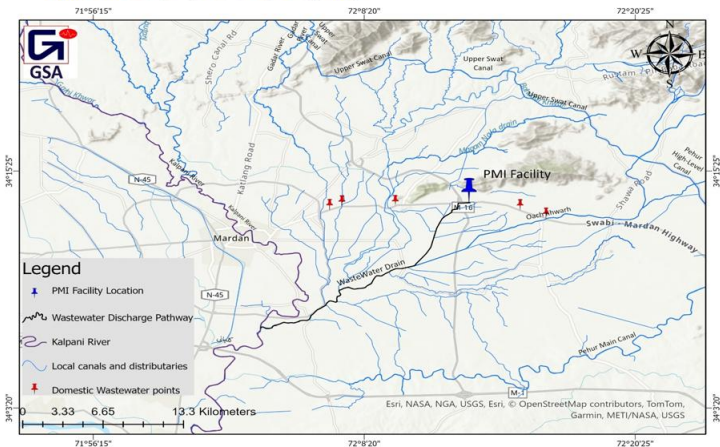


Figure 4.4: Domestic Wastewater Points and Drainage Connectivity to Kalpani River

Climate and Shared Infrastructure Risk



The water system is exposed to **strong seasonal variability, intense monsoon rainfall, flooding, drought/weak monsoon conditions and extreme heat**. The post-monsoon period of October-November has the tightest climatic balance, while intense rainfall can increase runoff, drain surcharge, contamination transport and wellhead-flooding risk. Shared infrastructure such as canals, drains, community tubewells and wastewater pathways can therefore increase exposure beyond the site boundary.

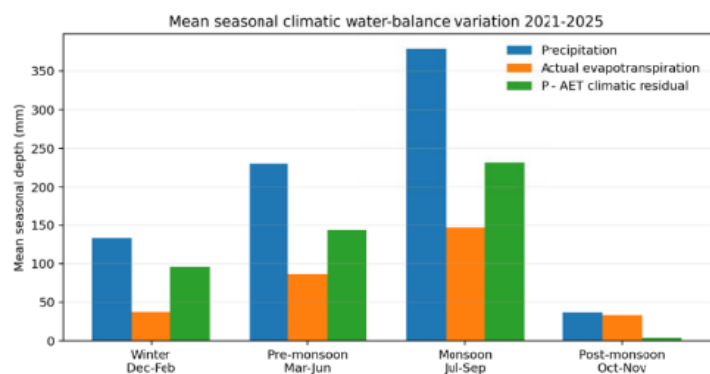


Figure 6.4: Mean Seasonal Climatic Water Balance Variation 2021 - 2025

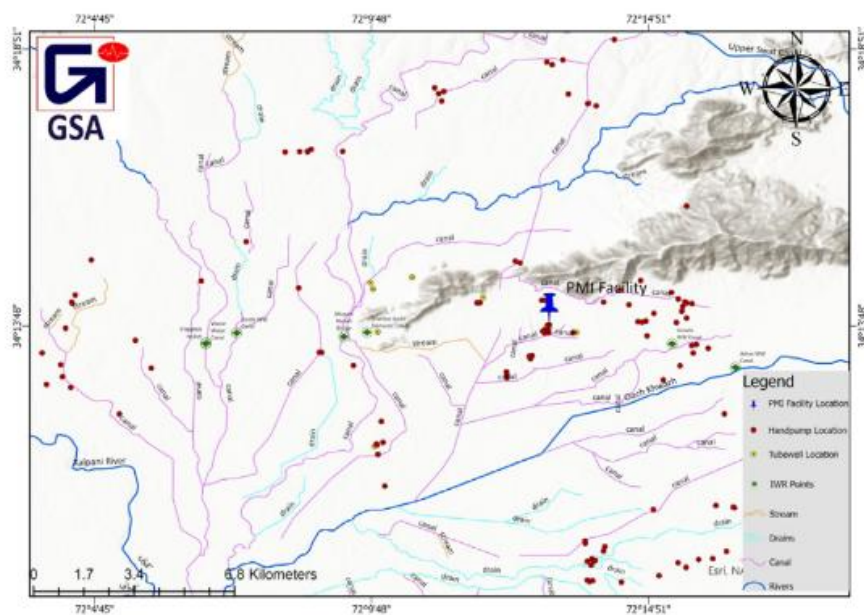


Figure 10:Infrastructure of Tubewell canals and Drains

Proposed follow-up: IFMS to monitor groundwater and inspect wellheads and drains. The AWS team to coordinate repeat water-quality testing and catchment engagement. Link wastewater risks to the proposed 2027 WWTP and reuse projects. Confirm owners and review dates at the next Water Stewardship Plan review.

AWS Performance Update – Social Collaboration

Water-related actions are focused on the 5 AWS outcomes of the AWS Standard:



GOOD WATER GOVERNANCE



SUSTAINABLE WATER BALANCE



GOOD WATER QUALITY STATUS



IMPORTANT WATER-RELATED AREAS



SAFE WATER, SANITATION AND HYGIENE FOR ALL (WASH)



Water Quality Tests – Catchment:

1. Drinking water at Local Hospital (Al-Khidmat)
2. Discharge sites (Kalpani Nulla & Stepa Canal)

Monitoring of critical parameters such as pH and microbial count – year on year analysis.

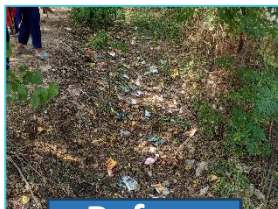


Clean up activity at important IWRAs

Ensuring safeguarding, maintaining and cleaning of important water resources through collaborating with stakeholders such as Al-Khidmat Hospital, WSSCM, Rescue 1122 and local community.

An awareness session was held with local population near Stepa Canal. Fixed waste bins and an awareness board were installed to spread awareness on waste disposal and cleanliness.

1. Stepa cleanup: 8–9 October 2026
2. Kabul River cleanup: 9 October 2026
3. Kalpani cleanup: 8 October 2026
4. Post-flood assessment: Stepa and Kabul River, 9 October 2026



Before



After

AWS Performance Update - Social



Engagements with Farmer Community

Land Leveler – Combating Water Scarcity: 1244.6 hec land covered (618 Farmers)

Total Water saved: 1466930 m³

Laser Land Levelers were provided to tobacco growers in Swabi region in Mardan TGA to level their lands and better distribute soil moisture leading to more efficient irrigation, more water saving and increase in crop production.



Sapling provision to woodlot farmers: 364 Farmers (50k Saplings in Feb and March)

Planting indigenous tree species at farmer premises to prevent flooding, ensure sustainable water balance and increase self sufficiency considering forest cuttings for fuel wood.



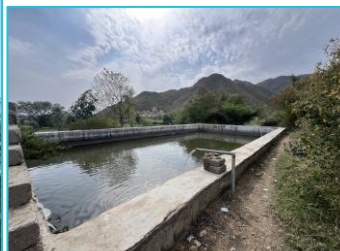
Groundwater Recharge Perennial Spring Water Harvesting

Study on Ground water recharge using rainwater/perineal spring water harvesting

- Site: Charbagh Farmers premises
- Construction of retaining wall
- Installation of PVC pipe – 750 ft
- Renovation of already constructed ponds
- Diversion of spring water to water ponds for storage
- Utilization of store water for the purpose of irrigation and drinking to community

BENEFITS

- 09 farmers benefited from the initiative and practicing irrigation from saved spring water.
- Around 60-70 irrigation done so far for tobacco and other crops.
- Total number of hectares covered for irrigation is 8 hectares in which 02 hectares are for tobacco crop and remaining 6 is for other crops.
- Moreover, 02 families are getting continues benefit of clean drinking water.



AWS Performance Update - Social

Waste collection & disposal:

Collection and safe disposal of hazardous (empty pesticide/CPA containers) and non-hazardous (plastic-based) waste from 100% of farmers.

Waste collection bags installed at 100% of farmer premises. Awareness sessions: 100% of farmers.

Total waste collected: 695 kg. Hazardous: 332 kg. Non-hazardous: 363 kg.



WASH at farmer premises:

WASH facilities (Wash basins, Water bores, Water Filtration units, Washroom accessories, Wash tanks installed at farmer premises to improve hygiene and sanitation, good water governance in coordination with local community, Al Khidmat, WSSCM, irrigation and AWS team.



Access to farmer families – Health Hygiene and Water Governance:

Targets women household members of the contracted farmers and their workers, with the aim to raise awareness among them on key sustainability topics including *safe use of water* and water conservation, health and hygiene, child labor, workers rights and other ALP principles. Targets 100% contracted farmers. Program run from Feb 2026 to August 2026.



AWS Performance Update - Social

Women's Skill center:

Engagement with local women and adolescents in farmer families in Swabi, Mardan, Charsadda, Layyah and DAC areas to equip them with skills other than tobacco farming to improve their livelihoods. 450 women targeted in 32 centers.



Hygiene Day: October 2026

To improve safe water, sanitation and hygiene for all (WASH) and equip 30 local girls and women with the necessary sanitary products as hygiene kits to prevent the spread of contagious diseases. An awareness session was held. Water conservation stickers handed out.



Engagements with Farmers – Water Saving campaign:

As part of raising awareness on Agriculture Labor Practices ("ALP") of PMPKL contracted tobacco farmers were also made part of several water related campaigns particularly targeting reduction.



Awareness session at Shergarh



Sensitization and Mobilization Activity for water saving at Shergarh



Sensitization and Mobilization Activity for water saving at Jamal Garhi



Sensitization and Mobilization Activity for water saving at Sarderi

AWS Performance Update - Social



Awareness sessions & engagements with farmers - Waste collection campaign for plastic reduction:

NTRM (plastics and other waste) is a major pollutant in water bodies and tobacco. Several awareness sessions, community engagements and waste collection campaigns were carried out with farmers.



NTRM removal from tobacco fields



NTRM Collection at Turlandi Charbagh



Community walk Charbagh



NTRM removal from Tobacco Barn inside homes



Session on NTRM Removal at Shahmansor Ambar



Session Waste Collection and disposal



Water Governance and Challenges Connect - Stakeholders:

Stakeholder exercise and engagement carried out in October at PMI factory to promote good water governance as a vital step toward sustainable water balance.



Meet & Greet

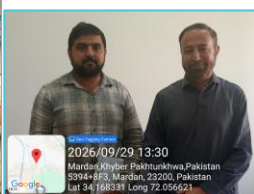
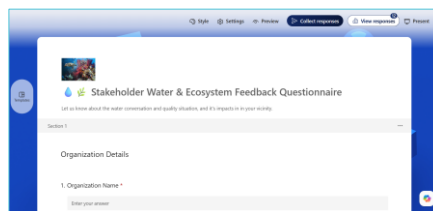
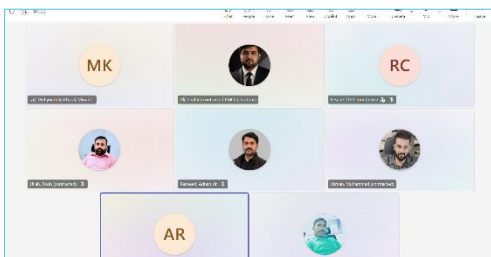
Introduction & Awareness Session on AWS, its 5 outcomes

Risks & shared Challenges, collaboration on initiatives

Feedback Survey & Performance feedback

Discussion on the Government Projects done or planned

Sessions conducted on 7th & 9th of October 2026

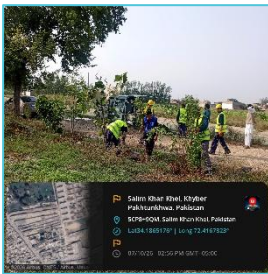


AWS Performance Update - Social



Tree Plantation at IWRAs – Stepa Canal: May 2026

Engagement with local farmer community, village organizations, WSSCM, AI-Khidmat, irrigation department and AWS team to curb the effects of deforestation and improve soil water content.



Rainwater harvesting for gardening:

Operational in 2026. The system collects warehouse-roof runoff in intermediate tanks, then transfers it to the main tank. Current storage capacity is 87,000 litres (87 m³). Stored rainwater supplies gardening and reduces reliance on groundwater.



Intermediate tanks



Old furnace oil tank – Rainwater storage

AWS Performance Update - Social

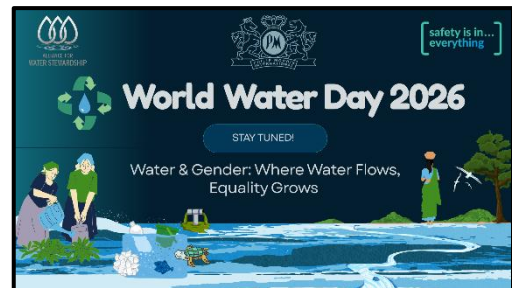
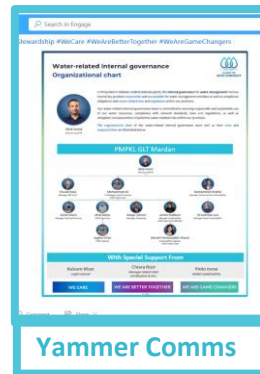


Water Related Campaigns with Employees

PMPKL Mardan conducted several internal awareness campaigns on water-related themes in relation to their water stewardship Commitment and AWS Certification journey. Employees were engaged in numerous activities:

- Water-related information sharing via email, posters and dedicated posts on internal communication channels
- Collection of water-saving best practices and amelioration proposals.
- **World Water Day – March 2026**
- Dedicated workshops/meetings and water-related information request to outsource service providers, infrastructural agencies
- Water conservation art contest for employee children
- **World Earth Day – April 2026**
- Focus on Plastic Pollution, Water Pollution, Afforestation and Sanitation
- Sessions with Stakeholders on Indirect water usage.

The scope was to disclose water-related challenges and increase employee sensibilization and responsibility regarding water-related themes, both at home and in their workplace.



AWS Performance Update - Social



Water Related Campaigns with Employees

Earth Warriors Day– 1st Oct 2026:

- AWS and water conservation session conducted with GLT team.
- A quiz was held on AWS training, winners were distributed with gifts containing sustainable products (water bottles to eliminate single use plastics)
- Cycling Competition
- Risk Hunting Scavenger Hunt
- Escape Room for Hazard Hunt
- reusable tote bags
- First Aid Kits Distributed
- Health Bands Distributed



Earth Warriors Day '26



Training & Quiz



Goody Bags



Cycling Competition



Water Saving Campaign:

Carried out in June-July – peak water consumption months.

Site visualization improved, better WASH for all.

Improvement in water saving and addressing leakages on site.



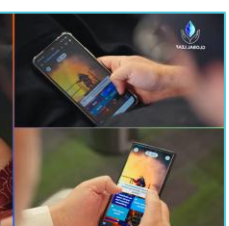
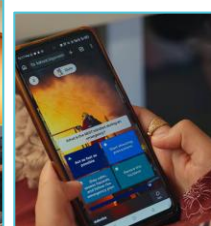
AWS Performance Update - Social



Flood, Storm and Rain Management with Infrastructure agency – 1122 drills and training – September 2026

PMPKL collaborated with infrastructure agencies (1122) to arrange an On-Site Training for Flood, Storm and Heavy Rain Management. 1122 is a key stakeholder that address challenges related to public and community.

1122 also provided trainings on First Aid, Fire fighting. Site shared its water stewardship plan and disclosed the progress on water performance, taking valuable feedback from a key stakeholder.



Training & Kahoot



Awareness sessions with 3P workers, seasonal staff, service providers, suppliers and vendors

Session covered:

- AWS and its 5 outcomes
- AWS policy and commitment
- WASH
- Anti littering, keeping environment & water areas clean
- Importance of safe and clean water for a healthy life
- Good practices to save water
- Water usage by service providers, Water KPIs & mitigation measures



AWS Performance Update – Social/Technical



WASH improvements at site

- Upgradation of worker washroom
- Upgradation of office washrooms
- Upgradation of ablution area
- New ladies common room and attached washroom for ladies

Canteen – Wash basin revamp



Male washroom revamp



Water cooler with greater capacity



Ladies washroom in common room



Upgradation of ablution area



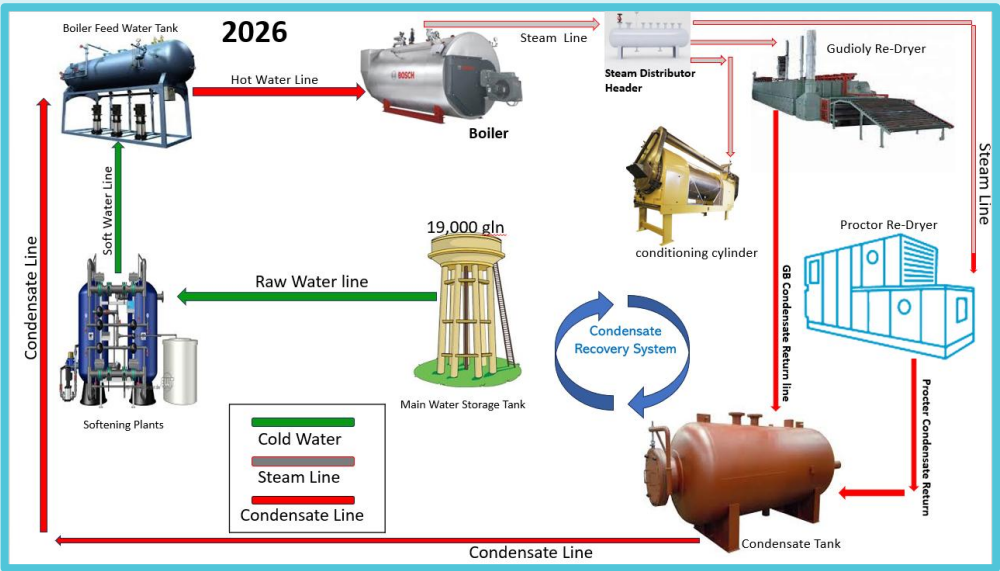
Upgradation of worker washroom



AWS Performance Update - Technical

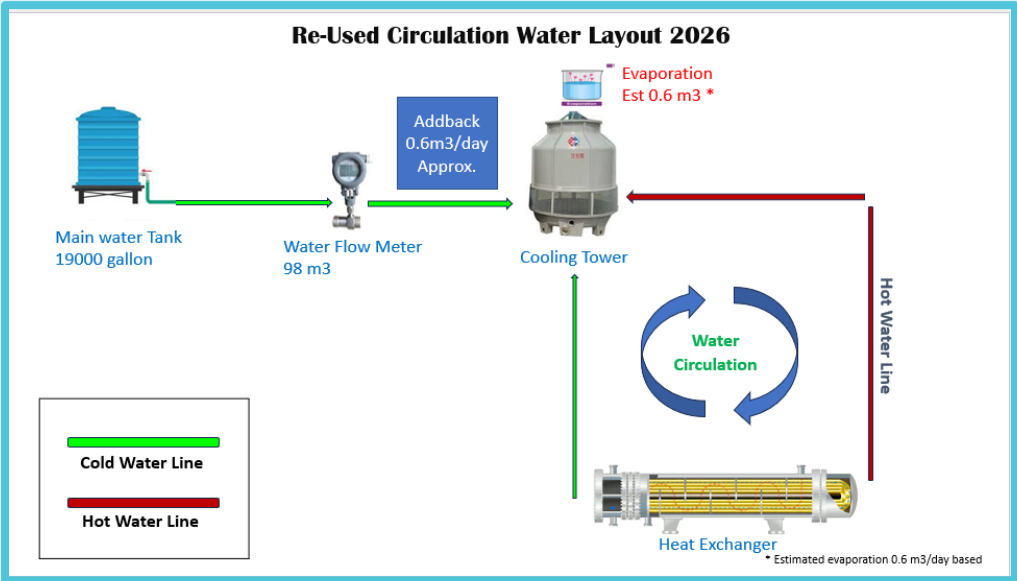


Steam Condensate Return Layout for GB & Proctor Re-Dryer:
40% water recycled as recovered condensate.



Closed Circuit Water Circulation: Hydraulic Press Heat Exchanger to Cooling tower

Addition of cooling water to circuit leads to less water wastage as water can be recycled back to heat exchanger after cooling.



AWS Performance Update - Technical



Installation of new water flow meters:

Improvement in addressing water balance inconsistencies.



Old meters



New meters



Main meter

Tubewell 1 meter

Further technological solutions to reduce water consumption:

- Promptly identified and rectified water leakage points in washrooms (office blocks, staff toilets) canteen wash basin, ablution area
- Close redundant/extra water consumption points
- Locking System of Water Taps
- Extra water lines removed from main header and lawn 1 lines
- Washroom flush tanks water storage capacity reduced
- Reduction in Canteen tap water pressure

Wastewater project planning
Current treatment and disposal arrangements, the link between treatment and reuse, and expected benefits require confirmation.

New Projects Proposed for 2027:

- Increase rainwater storage from 87 m³ to a proposed total of 170 m³
- Install another water filtration plant at a park in catchment for local community
- Proposed wastewater reuse system for irrigation and flushing
- Proposed on-site wastewater treatment plant (WWTP)
- Execute a menstrual hygiene awareness campaign within the local community, focusing on hygiene education, awareness, and access to essential menstrual hygiene products.
- Implement a biodiversity awareness and conservation campaign targeting threatened and endangered species identified as relevant to the Mardan catchment through the WWF Risk Filter Suite.

We hope you enjoyed a piece of our water stewardship
journey towards a more sustainable future in Mardan,
Pakistan

