M.O.G.E.

MPRL E&P

Environmental Monitoring Report

for Redevelopment and Enhanced Oil Recovery (EOR) Programme

October 2025 ~ March 2026

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Table 1: List of Acronyms

Acronym	Definition
ALARM	Advancing Life and Regenerating Motherland
API	American Petroleum Institute
Bcf	Billion Cubic Feet
BHA	Bottom-Hole Assembly
CSR	Corporate Social Responsibility
DNA	Deoxyribonucleic Acid
DWQS	Drinking Water Quality Standard
ECC	Environmental Compliance Certificate
ECD	Environmental Conservation Department
EIA	Environmental Impact Assessment
EMoR	Environmental Monitoring Report
EMP	Environmental Management Plan
EOR	Enhanced Oil Recovery
ERP	Emergency Response Plan
ETA	Estimated Time Arrival
GOCS	Gas and Oil Collecting Station
HoDs	Head of Departments
HSG	Health and Safety Guidance
HSE	Health, Safety and Environment
ISO	International Organization for Standards
KPIs	Key Performance Indicators
KCL	Potassium Chloride
LPG	Liquefied Petroleum Gas
MEDEVAC	Medical Evacuation
MFO	Mann Field Office
MMbbls	One Million Barrels of Oil
MOGE	Myanma Oil and Gas Enterprise
MONREC	Ministry Of Natural Resources and Environmental Conservation
MYO	MPRL E&P Yangon Office
NEQEG	National Environmental Quality (Emission) Guidelines
NSWQS	National Surface Water Quality Standard
PCC	Performance Compensation Contract
PPE	Planning and Production Engineering
PSD	Process Shut-Down / Pump Setting Depth
PTP	Put to Pump
RO	Reverse Osmosis
RSBV	Replaced Out Pump, Bumped Valve
SLC	Superior Low Clay
SMC	Sludge Management Compound
WMC	Waste Management Compound

1. Executive Summary

Established in 1996, MPRL E&P is a cornerstone of Myanmar's energy industry, distinguished by its technical proficiency in onshore and offshore operations. Our growth is anchored in a culture of integrity, transparency, and rigorous ethical standards. We are deeply committed to social and environmental stewardship, fostering an empowering workplace where our employees can thrive and drive our collective success. For us, honesty and accountability are not just values—they are the foundation of our mission.

Covering the six-month period from October 2025 to March 2026, this twelfth environmental monitoring report provides a comprehensive account of our environmental stewardship. Through collaborative efforts with the Regional ECD (Magway), we have conducted rigorous monitoring of air, noise, soil, and water quality to ensure continued compliance. The report further details the successful execution of the EMP and its eight sub-plans, our waste management progress, and the proactive measures taken to address operational challenges.

Key highlights within the monitoring periods (October 2025 to March 2026)

Environmental Performance

From January 20 to 22, 2026, environmental monitoring activities were carried out in collaboration with the Regional ECD (Magway). This session focused on verifying baseline conditions through air and noise quality assessments at points Z3AQN and Z4AQN, as well as soil quality monitoring across points Z3S1, Z3S2, Z4S1, and Z4S2. These data points serve as critical indicators for our ongoing environmental compliance and impact assessment.

Due to prevailing logistical and security challenges, monitoring activities were adapted to focus on accessible points closest to the project's operational footprint. Consequently, air, noise, and soil quality assessments were localized to stations Z3AQN, Z4AQN, Z3S1, Z3S2, Z4S1, and Z4S2. We remain committed to completing the full monitoring scope and will re-establish data collection at the remaining points once the regional security situation stabilizes.

On November 28, 2025, the deputy director of the Magway regional ECD toured Mann Field to review our 11th EMoR. The visit began with a presentation by our HSE manager and CSR field representative on the company's environmental and social performance. The inspection team then visited several key sites, including the mobile clinic & clean and green school project at Let Pan Ta Pin village, and our facilities at GOCS-1, the Warehouse, the WMC, concrete pad and additional cellar at M-537, and the produced water injection site at MI-169.

From January 20 to 22, 2026, MPRL E&P and the Regional ECD conducted a joint environmental survey to ensure ongoing alignment with EIA and ECC requirements. Data collection was successfully completed at all primary operational points, with three exceptions. Notably, station Z3GW2, which has provided consistent data since 2015, was unable to produce a sample for the first time due to a receding water table. Additionally, the Ko Win Maung well was inaccessible, and station Z4GW1 has been reclassified for disposal purposes, removing it from the groundwater monitoring network.

As part of our scheduled self-monitoring program, MPRL E&P assessed the quality of several water sources. This included our drinking water, discharged water from the Base Camp, domestic water used at the mechanical workshop, hydro-test water from the warehouse, and groundwater near the M-132 injection well.

The laboratory analytical reports for all air, acoustic, water, and soil quality monitoring, as well as internal self-monitoring data, are compiled in the Annex. In instances where specific parameters exceeded established regulatory guidelines, detailed justifications and contextual analyses are provided within the corresponding sections. It should be noted that while a comprehensive suite of tests was requested, a limited number of water quality parameters could not be evaluated due to local laboratory technical constraints.

In accordance with the Environmental Conservation Department's (ECD) recommendations, surface water analytical results have been benchmarked against the National Surface Water Quality Standards (NSWQS). Furthermore, to address prior regulatory feedback, this report includes a comparative analysis of current air, noise, soil, and water quality data against the 2015 baseline datasets. A comprehensive matrix detailing the specific actions taken to address the ECD's comments is provided in Article 7.

In line with our commitment to environmental stewardship, we have included a comprehensive update on our tree plantation program in Article 7. This reporting period focuses on the growth performance of mango trees across Mann Field, substantiated by site-specific imagery. The exact location and distribution of these green zones are verified through topographic layout plans and satellite-based mapping, ensuring transparency in our ongoing efforts to enhance local carbon sinks and biodiversity.

The HSE department regularly conducts monthly training sessions, as outlined in our training plan, to promote greater awareness of HSE practices among our workforce. These sessions leverage both internal and external resources, depending on availability. To foster a culture of safety and environmental responsibility, the training covers a variety of impactful topics, including "Planning for and Dealing with Environmental Emergencies", "Carbon Pricing and Carbon Market Mechanism", etc.

MPRL E&P promotes environmental awareness by incorporating key conservation themes—including biodiversity, water, and energy management—into its training and

safety agenda. By addressing waste segregation and sustainable management practices during employee inductions and safety meetings, we foster a proactive HSE mindset. These initiatives are designed to empower our workforce to actively contribute to our corporate sustainability goals.

All the formation water produced was 100% disposed into shut-in wells. The field operations continue to maintain the achievement of zero discharge of produced water since 24 August 2017.

To ensure stakeholders are well-informed, we disseminate our environmental documentation through multiple transparent channels, ranging from digital platforms and government departments to local community meeting venues. Upholding the integrity of our EIA and ECC mandates remains central to our mission. By maintaining a cycle of continuous monitoring and proactive assessment, we ensure our operations not only meet relevant regulatory requirements but actively advance our goals for ecological stewardship.

Social Performance

From October 2025 to March 2026, MPRL E&P's CSR Program continued to promote inclusive growth, environmental stewardship, and community resilience across Mann Field Communities through a comprehensive range of social investment initiatives. Key focus areas included Community Infrastructure Development, Community Livelihood Development, Educational Partnership Program, Community Capacity Building, Community Healthcare, Community-led Waste Management, Operational Grievance Mechanism (OGM), Stakeholder Engagement, Corporate Philanthropy, and the MOGE Employee-Centered CSR Program.

Community Infrastructure Development: The CSR Program delivered key infrastructure projects across Mann Field Communities, including solar-powered water supply systems in Let Pan Ta Pin and Chin Taung Villages, and improvements to sanitation, drainage, roads, schools, and community facilities. Public toilets, community gardens, and drainage systems were constructed, while school environments were enhanced through ceiling installation and facility upgrades. These initiatives improved access to clean water, strengthened public health, and enhanced safe learning and community spaces, supported by strong community participation and cost-sharing contributions.

Community Livelihood Development: Livelihood resilience was strengthened through the Seed Bank Program, supporting 22 farmers cultivating tomatoes on 6.3 acres. Continuous monitoring, technical support, and coordinated input distribution enabled a cumulative production of 38,700 viss. The Program also supported chickpea and sunflower cultivation, improving agricultural productivity, strengthening local seed systems, and enhancing farmers' capacity and market participation.

Educational Partnership Program: Access to education and employability opportunities was expanded through scholarships and skills training. Up to 24 students

from Mann Field Communities received support across technical, vocational, and higher education institutions, including No.5 Industrial Training Center (ITC – Magway), SALI (Pwint Phyu), University of Medicine (Magway), Yezin Agricultural University, and Myanmar Mercantile Marine College. Successful completion of welding and industrial skills training programs further strengthened workforce readiness.

Community Capacity Building: The Program enhanced local capacity through training, coaching, and community engagement initiatives. Activities included the Outdoor Classroom Day campaign, staff and volunteer training sessions, and the launch of summer programs such as basic and refresher art classes. These initiatives promoted creativity, knowledge-sharing, and strengthened community participation and resilience.

Community Healthcare Program: The Mobile Clinic Program expanded to seven locations, providing free healthcare services to 28,038 patients through 952 sessions. Health education sessions and preventive care initiatives, including hypertension and diabetes awareness, were conducted across communities. The introduction of the eye health program enabled screening for 117 patients, providing treatments, eyeglasses, and referrals for specialized procedures, improving access to essential healthcare services.

Community-led Waste Management Program: Environmental sustainability was strengthened through regular cleanup activities, composting initiatives, and community engagement. The Program supported Trash Hero Minbu cleanup campaigns, expanded community-managed compost stations, and produced 2,520 kg of compost fertilizer in Nan U Village.

Operational Grievance Mechanism (OGM): The OGM remained an effective platform for addressing community concerns. Three cases were received and successfully resolved during the reporting period, contributing to a total of 196 cases resolved since 2014. The mechanism continues to demonstrate transparency, accountability, and responsiveness, reinforcing trust with local communities.

Stakeholder Engagement and Information Disclosure: The CSR Program maintained strong engagement with stakeholders through regular consultations, community needs assessments, and coordination with government authorities. Monthly meetings, site visits, and distribution of newsletters, reports, and grievance mechanism updates ensured transparency, strengthened partnerships, and supported effective CSR implementation.

Corporate Philanthropy: MPRL E&P contributed to cultural and community well-being through philanthropic initiatives, including Kahtain donations to 27 monasteries across Mann Field Communities, reinforcing cultural values and strengthening community relationships.

MOGE Employee-Centered CSR Program: The Program continued to support MOGE employees and their families through targeted contributions in food security, education, healthcare, and skills development. Support included rice and cooking oil distribution, vocational training, school maintenance, medical supplies, and scholarships, contributing to improved well-being and long-term development for MOGE families.

Through these initiatives, we reaffirmed our commitment to sustainable development, responsible operations, and creating meaningful, long-term impact for Mann Field Communities and all stakeholders.

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2. Project Description and Production Information

The Mann Field, discovered in 1970 by MOGE, currently comprises 674 wells under the Mann PCC, of which 283 were producing as of March 2026, while the remaining wells were shut-in. Cumulative production from the Production Enhancement Project has reached 16.6 MMbbls of oil, including 10.6 MMbbls above the normal decline curve, along with 18.9 Bcf of associated gas as of March 2026. Since 2024, MOGE has drilled an additional exploration well, M-671, under its direct management. As such, this well falls outside the scope of the Mann Field Redevelopment and Enhanced Oil Recovery (EOR) Program according to the MOGE's guide line. Nevertheless, MPRL E&P remains committed to monitoring the relevant parameters in line with the Environmental Monitoring Plan, as stipulated in the ESIA Report.

2.1 Mann Field Operation Status

Under the PCC, MPRL E&P is undertaking a re-development operations activity of the Mann Field to improve the environmental performance of the operations.

The operation activity includes:

Infill well drillings – due to the current decline of the field, MOGE and MPRL E&P have been drilling infill wells in main Mann Field areas close to currently producing wells and outside of surrounding communities, however no infill well activity during the last six months.

Deepening Wells – to deepen tens to hundreds of feet from existing wellbore by drilling, no activity of deepening well during six months.

Chemical Treatment –to ensure that oil is maximized from the reservoir by using small amount of chemicals such as paraffin dispersant, paraffin inhibitor, and non-chemical GreenZyme. GreenZyme is a biological liquid enzyme that is not only harmless to any individual's health but also an environmentally friendly product.

Remedial and workover operations – maintain oil production by servicing such as swabbing, scraping and bailing of producing wells.

Improvement of Pumping Unit – pumping units will be / have been repaired to reduce the likelihood of spills in the surrounding areas.

Refurbishments of the Gas and Oil Collecting Stations (GOCS), Flow Pipes and Drain Pits – to ensure the health and safety to surrounding communities and reduce the risk of spills.

Rehabilitation of Shut-in Wells – sealing off shut-in wells to avoid contamination of surrounding and restoring surrounding areas to resemble their original state.

Re-perforations will be undertaken for better control of the well.

Development of Produced Water Management System – produced water will be injected into the shut-in wells.

2.2 Current Operations Summary

2.2.1 Remedial and Work Over Operations within 6 months

The following table shows the monitoring and tracking of the remedial and work-over operations activities within six months.

Table 2: Remedial and Work Over Operation Activities

No.	Service	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
		Frequency of Activities						
1	Bailing & Change Tubing	2	2	5	11	5	17	42
2	Bailing Inside Liner		1				1	2
3	Bump Valve & Replaced out Pump, Bumped Valve		1	1		3	3	8
4	Change all Tubing & Sucker Rod	1	2	2	1	1	1	8
5	Change 5-1/2" Casing Swedge & Casing Nipple						1	1
6	Casing Leakage Repair					1		1
7	Chemical Injection	1						1
8	Change Wellhead							0
9	Check Bottom Hole Assembly (BHA) and Change all Tubing	2		3		1		6
10	Check BHA, Bailing and Change Tubing			1	4	1	3	9
11	Clean out Bottom	4	8	1	7	10	15	45
12	Drill out Bridge Plug (BP)				1			1
13	Fishing	1	3	2	1	1		8
14	Injectivity Test	2						2
15	Lower down Pump Setting Depth (PSD) & Pump Service	1			2			3
16	Pump Service	9	11	19	19	11	18	87

No.	Service	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
		Frequency of Activities						
17	Reopen, Pumping Test & Repumping			1	1	1		3
18	Raise Up PSD and Pump Service			1	1	1		3
19	Recover Sucker Rod & BHA		1		1	2	3	7
20	Replace Polished Rod Liner & Rotator					1		1
21	Reset Packer							0
22	Run in Sucker Rod String & Put to Pump (PTP)							0
23	Scrapping, Bailing & Change Tubing	1		2		5		8
24	Swabbing, Bailing & Change Tubing	4	3	7	3	3		20
25	Zone Isolation							0
Total Serviced Wells (Monthly)		**28**	**32**	**45**	**52**	**47**	**62**	**266**

2.2.2 Mobile Power Generator Register Lists in Mann Field

The following Plant/ Equipment are being used in Mann Field.

Table 3: Mobile Power Generator List

No	Unit Name	Engine Type	Horse Power	Units
1	P-100	CAT-3408	365HP	1
2	P-82	CAT-3306	270HP	1
3	P-75	Cummins N855-P-236	235HP	1
4	P-70	Cummins N855-P-250	250HP	1
5	P-69	Cummins N855-P-250	250HP	1
6	P-65	Detroit 6V71	260HP	1
7	Tractors	KaSaLa	50HP	3

No	Unit Name	Engine Type	Horse Power	Units
8	35Tons Tadano Crane	Nissan-RF8	340HP	1
9	416 Backhoe	CAT-4.236	85HP	1
10	950 Forklift	CAT-3304	160HP	1
11	966 Wheel Loader	CAT-3306	200HP	1
12	L-39 Forklift	Nissan – PE6	275HP	1
13	Grader	CAT-3306	200HP	1
14	D8K Dozer	CAT-D342	275HP	1
15	GD Mud Pump	CAT-3306	350HP	1
16	OPI Mud Pump	Detroit-8V92	365HP	1
17	JWS Mud Pump	Detroit-12V71	469HP	1
18	15PS King Power Swivel	CAT-3034(C6.6)	173HP	1
19	Power Pack	Deutz-F6L912	63HP	2
20	Welding Machine	Deutz-F3L912	25HP	2
21	Sullair Compressor	CAT-3054	85HP	1
22	55 Tons Kato Crane	MITSUBISHI-8DC9 engine	320HP	1
23	Ford Ranger (2Q/6064)	Ford (TDCi engine)	2.2CC (150 HP)	1
24	Wire Line Unit	YAMAHA	10HP	1
25	Blue Truck	Cummins NTC-350	350HP	1
26	White Truck	Cummins NTC-350	350HP	1
27	Vehicle			24
28	Weed Cutting Machine	Honda	1.3 HP	3
29	Weed Cutting Machine	VHV	7.5 HP	1
30	Diesel Engine Water Pump	KEMAGE	4 HP	2
31	Denyo, Genset: DCA-400SPK-II	Komatsu Eng: SA6D140-A	480	1

3. Environmental Management Organization

MPRL E&P is dedicated to allocating necessary resources for the execution and management of the EMP, which includes skilled human resources. The organizational structure responsible for environmental management and implementation of the EMP can be found in Table 4.

Table 4: Environmental Management Organization Roles and Responsibilities

Position	Responsibility
MPRL E&P	
Deputy Chief Executive Officer and Executive Director	Oversee and coordinate all activities on the Project; ultimately responsible for environmental issues. Ensure delivery by the asset of its environmental, and operational targets. Ensure effective communication with all stakeholders.
Field Operations Manager	Technical aspects of the Project include contractor supervision during operations. Responsible for the execution of the Emergency Response Plan including the Oil Spill Contingency Plan. The Field Operations Manager has control over strategic project aspects and interaction with subcontractor staff where project activities take place.
Construction Manager	Technical aspects of the Project including subcontractor supervision during Project implementation.
Assistant HSE Manager / HSE Officer	Ensuring in cooperation with the Environmental Officer, that the Project and subcontractors operate following applicable regulatory environmental requirements and plans. Monitor implementation of environmental protection measures, (on-behalf of Environmental Officer), and assist with technical input into oil spill requirements. The HSE Officer is monitoring the implementation of Health, Safety, and Environmental protection measures, including tracking, inspection, reporting, and assisting with technical input into emergency response procedures and implementation as per the EMP.
Community Liaison Officer	Liaise with local communities, farmers and government regulators on the Project's behalf. Implement environmental awareness and education programmes with communities.
Contractor	
Project Manager	Responsible for subcontractor technical performance and compliance
HSE Manager	Ensure that environmental regulatory requirements are met and that EMP requirements are properly implemented.

4. Highlights on HSE Key Performance Indicators

The Field Management team and HSE team have agreed to set up KPIs for the field operations team. These KPIs are essential to ensure they are realistic, shared, and effectively balance safety with operational goals. Integrating Health, Safety, and Environment (HSE) practices as a vital part of the field operation is a key aspect of sustaining continual improvement.

Achievement vs. Failure based on Set KPIs

In this context, the KPIs of field operation team are systematically monitored and reviewed during the reporting year to identify both the performance attainment and opportunities for enhancement by the end of the specified timeframe. Even under highly challenging conditions, the review indicates successful achievement of the following KPIs.

For Fiscal Year 2025 – 2026

The Mann Field Production Enhancement Project has achieved the total of 5,452,472 man-hours in our Mann Field operations as of 31 March 2026, without a lost-time accident. On 07 October 2025, the MPRL E&P proudly celebrated an impressive milestone of 5 million man-hours without a lost-time accident. The accomplishment reflects the hard work of the field team, together with the support of the MOGE team.

In terms of reactive performance, as previously mentioned, there were no lost-time accidents during the fiscal year, and the total number of recordable cases also met the established KPI for the period.

As part of our proactive performance efforts, the field team received 7,984 CARE Cards in FY 2025-2026, exceeding the annual target of 7,200 cards that reflects the organization’s steady progress and continued focus on safety and improvement. We analyzed the trends in unsafe actions and conditions by utilizing data from the submitted CARE cards and have the opportunity to apply this analysis for further improvements. These achievements are made possible by the dedication of CARE Card submitters and the continued support from all Heads of Departments (HoDs) and the MOGE Team.

With the ongoing increase in operational activities, we are prioritizing training to strengthen HSE knowledge and staff competency. The implementation of mandatory HSE training and awareness programs has been completed as per the planned schedule. (Refer to section 9.4 HSE Training).

To prevent accidents, protect workers, and ensure that operations are conducted in accordance with industry standards and regulations, as well as to maintain a high level of safety and compliance, Permit to Work audits were performed using a checklist. These audits were carried out 100% in accordance with the plan.

To ensure the safety of staff and assets, multiple inspections were carried out for Lifting Gear, Eye Wash Station, and Wheeled Spill Kits. These inspections successfully met of the set target.

As part of MPRL E&P's commitment to foster a positive HSE culture within the organization, several award programs have been established. The "Outstanding HSE Best Performance" award program aims to bolster the HSE culture, while the "Contribution Award in HSE Activity" recognizes nominated personnel to encourage participation and effectiveness. Additionally, the "Best Quality CARE Card Award" promotes ownership and helps reduce property damage and loss.

To enhance safety performance, mitigate risks, ensure compliance, and foster a safety culture within the organization, individual field workers have HSE Key Performance Indicators (KPIs) established and regularly reviewed as part of their performance monitoring process.

As part of the environmental action plan's implementation, the field team maintained a 100% reinjecting record of disposal of produced water back into the shut-in well. Achieving such a record requires tremendous effort, including proper monitoring and maintenance of injection facilities, control and monitoring of critical data such as injection pressure, volume, and rates, as well as the proper maintenance and servicing of injection wells.

To mitigate environmental impact, to conserve biodiversity, to have positive impact on community health and wellbeing and for the purpose of social cohesion and engagement, Tree Plantation Campaign is conducted in Mann Field. To practice and evaluate emergency team’s response to a man-down situation, ensuring effective communication, timely medical intervention, and efficient evacuation, Man Down & Stretcher Drill Exercises were conducted at the Mann Field.

To encourage the team's emergency response capabilities and assess their readiness, the Field Management team successfully conducted "Fire Drill” and “Chemical Spill Drill" at the Mann Field.

During the six-month reporting period, MPRL E&P recorded two near-miss cases and one road traffic accident (RTA) case, the incidents were promptly addressed with no property damage or personal injury reported. In line with the company’s strong commitment to safety and environmental stewardship, comprehensive investigations were conducted to identify the underlying root causes and contributing factors. Based on the findings, appropriate corrective and preventive actions were developed and implemented to prevent recurrence of similar incidents in the future. These efforts demonstrate MPRL E&P’s proactive and professional approach to incident management, reinforcing its culture of continuous improvement, accountability, and operational excellence.

5. Environmental Management Plan

The Environmental Management Plan (EMP) aims to enforce compliance with the project's policies and fulfill the mitigation, monitoring, and other commitments outlined in the EIA Report. While the EMP serves as a broad framework document, it is intricately linked to various comprehensive management plans detailed below, each designed to set criteria for meeting specific environmental requirements.

The management plans, which were developed to ensure compliance with specific environmental elements, are described in detail in the EIA report. These plans outline the management and mitigation measures that must be implemented, the responsible parties and timeframe for implementation, and reporting requirements. MPRL E&P is currently implementing and monitoring these plans according to the schedule outlined in the EIA report.

- Waste Management Plan
- Emergency Response Plan (including Fire Risk Management Plan)
- Spill Response Plan
- Health and Hygiene Management Plan
- MEDEVAC Procedures
- Transportation Management Procedures
- Contractor's Environmental Management Plan(s)
- Environmental Monitoring Plan

5.1 Environmental Management System Framework

MPRL E&P's approach to environmental management is based on the ISO 14001 framework and incorporates internal policies, national regulations, and best practices from international sources. The company conducts regular environmental analysis and monitoring to ensure that its business activities have minimal negative impacts on the environment and the communities affected by its operations.

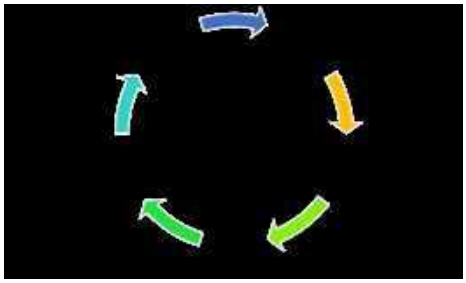


Figure 1: MPRL E&P Environmental Management System Framework

5.2 Waste Management Plan

The Waste Management Plan aims to effectively manage any surplus materials from the construction and operational activities in the Mann Field, ensuring proper handling and disposal of waste.

The waste management plan aims to achieve the following objectives:

- Managing waste in a controlled and environmentally sound manner,
- Complying with all statutory and contractual requirements related to waste management,
- Recovering resources whenever possible and safe for re-use and recycling,
- Recording and tracking all generated waste appropriately.

The waste management plan has been implemented during the operation phases, dividing waste streams into four categories:

1. Hazardous recyclable,
2. Hazardous non-recyclable,
3. Non-hazardous recyclable, and
4. Non-hazardous non-recyclable.

The key steps in the waste management process are:

- Segregating waste into hazardous, general and recyclable categories using suitably labeled bins,
- Transporting bins/drums to approved disposal locations with the waste type clearly labeled on each one,
- Including each waste bin/drum sent on the backload manifest,
- Recording waste transportation in the waste database.

Figure 2: Waste Management Process

5.2.1 Monitoring on Waste Management Status

During the monitoring period of October 2025 to March 2026, the waste management compound facilities remain unchanged from previous monitoring periods.

Existing Solid Waste Management System

The solid waste management framework implemented by MPRL E&P primarily encompasses waste collection, segregation, and recycling, with a limited emphasis on the principles of the 3Rs (Reduce, Reuse, Recycle) that have been introduced.

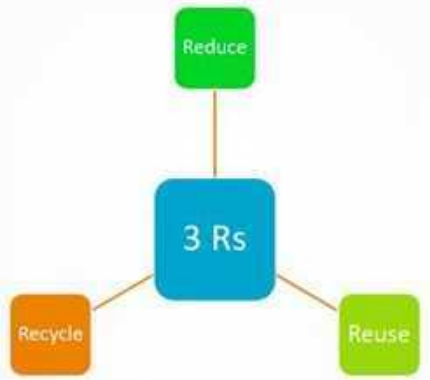


Figure 3: 3Rs

At Mann Field, waste segregation has been implemented, which involves sorting and separating waste based on its characteristics. The waste materials are segregated at the source by providing bins that are marked with universal symbols and labelled in both English and Burmese, and are coloured for storing waste as follows:

- **Green** – General Wastes,
- **Yellow** – Recycle Wastes,
- **Red** – Hazardous Wastes,
- **Black** – Non-Hazardous Wastes,
- **Blue** – Paper

Bins were placed in all locations, including GOCSs, offices, warehouses, workshops, construction sites, base camps, and clinics, for waste collection. The waste collection bins will not be allowed to overflow before they are emptied, and damaged waste storage receptacles will be promptly replaced. A sufficient number of bins were placed at each waste collection point for each type of waste, based on the expected variety and quantity of waste from that location.

Waste of any kind will not be stored permanently or for prolonged periods at the Waste Management Compound. The following procedure has been implemented for the temporary storage of all waste:

- The waste is properly stored in the designated area that is separated from storage areas for other materials/substances,
- The facilities are identified for each designated area, such as Recycle Area, Hazardous Area, etc.

5.2.2 Solid Waste Management in MPRL E&P

The management of waste is a crucial aspect of business operations, and all waste produced is recorded. MPRL E&P is monitoring and ensuring compliance with the National Environmental Quality (Emission) Guidelines and adhering to industry best practices.

Composting

Based on our self-monitoring records spanning six months from October 2025 to March 2026, the composting process has yielded approximately 1,380 kg of compost.

Figure 4: Vegetation Field with Composting of Food Waste at WMC

Recycling

At our facility, we collect and sell recyclable materials such as glass, paper, cardboard, plastic bottles, and materials to third-party vendors. To ensure proper recycling, these materials are separated from general waste during the collection process.

General Waste is collected from all areas within the Mann Field Operations and temporarily stored at the Waste Management Compound. Waste collection is carried out periodically every week using Jumbo big bags to reduce plastic bag usage, which

can be reused multiple times. Additionally, the plastic bags used in the waste bins are also reused, except for the organic waste bin.

Figure 5: Segregated Recycle Waste at WMC

General Waste Storage in WMC

Figure 6: Waste Management Compound

After being re-sorted, packed and stored in the recycle waste storage area, the recycle materials are disposed of by an authorized third party.

The details of the type and quantity of recycle wastes have been registered using the 'Waste Register' form.

Recycle waste intended for disposal with an approved third-party vendor must be monitored using the "Waste Disposal Contractor Approval Form", which has been approved by the Field Operations Manager and/or the HSE Officer/ Environmental Officer.

Figure 7: E-Waste Stored at WMC

From October 2025 to March 2026, a total of 5 kg of hazardous waste is collected from all work-related areas and is properly stored at the Waste Management Compound. The dry sludge/ produced sand is temporarily stored at the Waste Management Compound, while the wet sludge is stored at the Sludge Management Compound.

5.2.3 Monitoring Data and Statistics

The Waste Statistics during the monitoring period from October 2025 to March 2026 are as follows:

Table 5: Monthly Waste Monitoring Record

Month	Hazardous Waste (kg.)	Non-hazardous Waste (kg.)	Composting (kg.)
October 2025	0	625	330
November 2025	0	550	270
December 2025	5	600	230
January 2026	0	603	260
February 2026	0	405	160
March 2026	0	440	130
Total	**5**	**3223**	**1380**

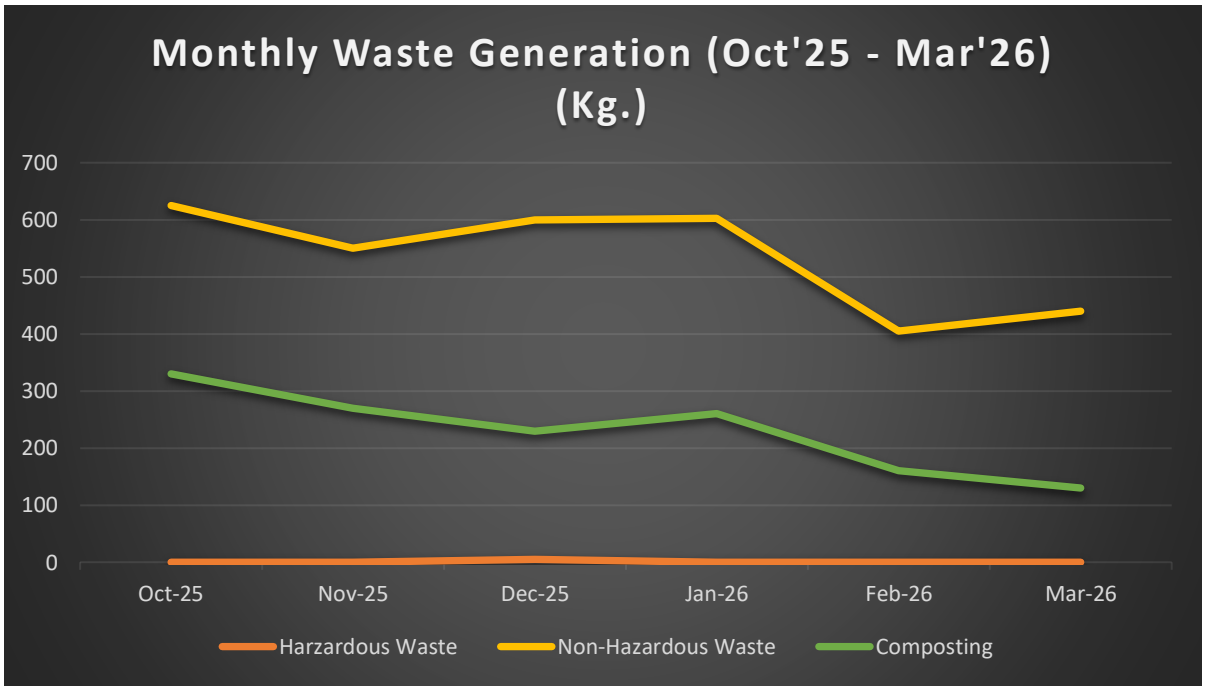


Figure 8: Monthly Waste Monitoring Records from Oct 2025 - Mar 2026

Table 6: Yearly Waste Monitoring Record

Year	Hazardous Waste (kg.)	Non-hazardous Waste (kg.)	Composting (kg.)
2020	1,470	16,267	1,204
2021	96	5,369	1,901
2022	48,113	9,000	2,880
2023	23,718	13,324	2,560
2024	32,800	18,081	2,635
2025	36,005	11,151	2,855
2026 (Jan – Mar)	0	1,448	550

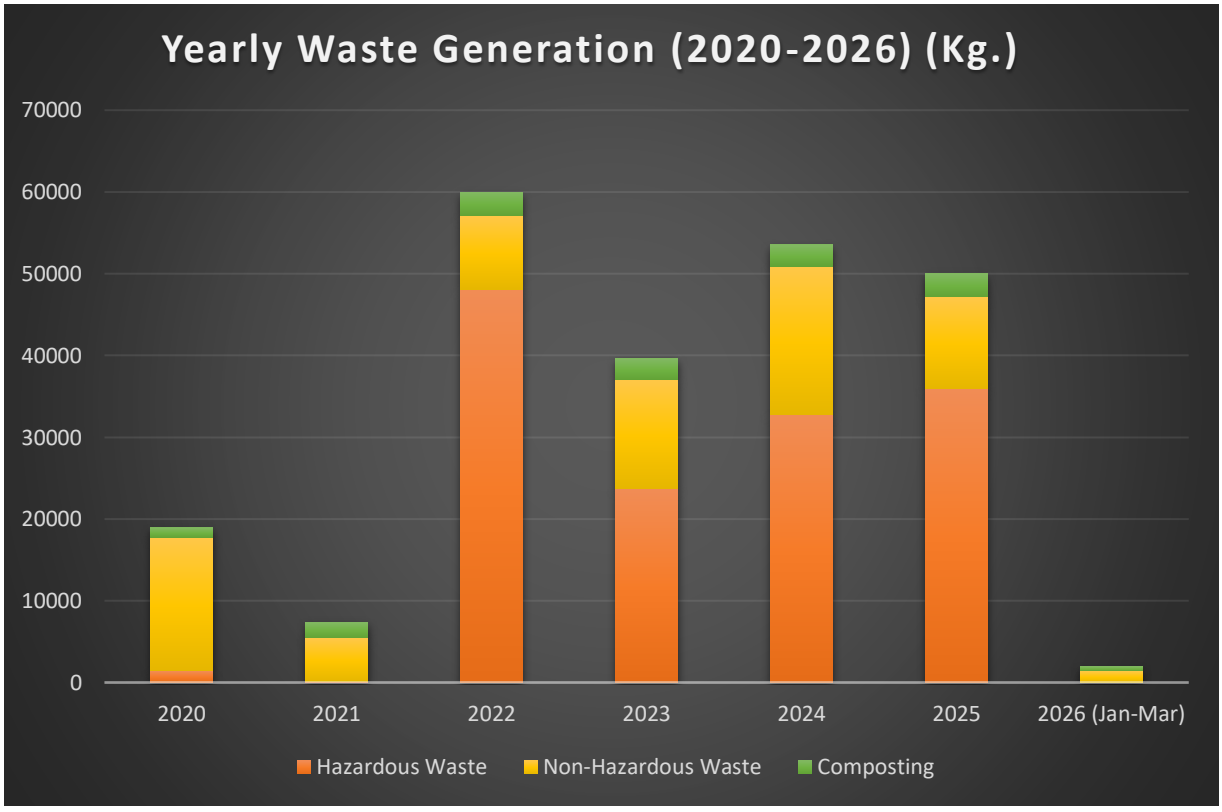


Figure 9: Yearly Waste Monitoring Record (2020 - 2026)

5.3 Emergency Response Plan

MPRL E&P will develop plans and procedures to identify potential environmental accidents, health and safety emergencies, and adverse environmental and social impacts that may arise. These plans will include, but not be limited to, the following measures:

- Notification procedures,
- An emergency response organization with personnel trained to fulfill their roles and responsibilities,
- Adequate and appropriate emergency response equipment readily available to respond to minor incidents,
- Capability to quickly request additional assistance.

MPRL E&P is responsible for managing and responding to emergencies arising from the Project activities in Mann Field. The emergency response plan (ERP) which also covers fire risk management, includes:

- Hierarchy of protection,
- Preparedness and planning for emergencies,
- Employee responsibilities,
- Emergency response procedures,
- Medical emergencies including medevac procedures,
- Natural Disasters (e.g. floods, cyclones, earthquakes) related emergencies,
- Fire and electrical related emergencies, and
- Any other emergency response plan is required by the Republic of the Union of Myanmar Authorities.

5.3.1 Emergency Response Plan Implementation and Progress

MPRL E&P has developed emergency response plans for potential scenarios during field operations. These plans ensure clear communication with staff at all levels and assign responsibilities according to their roles.

MPRL E&P reviews and updates its emergency response plans within predefined timeframes. In the event of an incident, the relevant plan is promptly reassessed and revised as necessary.

Furthermore, regular training sessions are organized to ensure all personnel remain fully informed about emergency protocols, fostering a culture of safety and preparedness across the operation.

Muster Drill Exercise was conducted at the MPRL E&P Warehouse on 04 March 2026.

The exercise aimed to ensure preparedness, assess response time, and verify the effectiveness of muster procedures in an emergency. All personnel participated, and the muster point assembly was completed successfully.

Figure 10: Muster Drill at Warehouse

Figure 11: Fire Drill at GOCS-1

5.4 Spill Response Plan

MPRL E&P has developed spill response plans and procedures to identify and respond to potential spills and prevent or mitigate any adverse environmental and social impacts that may arise. The plans include but are not limited to:

- Spill control hierarchy,
- Control measures to prevent spills such as proper engineering design, handling, storage and transportation guidelines on hazardous materials,
- Spill response training,
- Spill response organization and procedures as well as spill response PPE and drill requirements.

5.4.1 Spill Response Plan Implementation and Progress

MPRL E&P has developed a comprehensive spill response plan, incorporating key risk control measures such as impermeable bases for facilities, segregated drainage systems, and oil sumps with interceptors. A zero-discharge wastewater recycling system reduces spill risks, while secondary containments are added to well sites, and the sludge compound is equipped to handle spill responses effectively.

Spill response drills are scheduled to enhance understanding of spill procedures and emergency protocols. These drills aim to clarify team responsibilities, improve practices, and raise awareness, ensuring a more efficient response to real spill incidents.

A chemical spill drill exercise was conducted at Warehouse on 04 March 2026. The objective of the exercise was to test emergency preparedness, evaluate the effectiveness of the oil spill response plan, and ensure personnel readiness in the event of an actual spill incident. The drill involved the mobilization of response teams, deployment of spill containment equipment, and implementation of safety procedures.

Figure 12: Spill Drill (Chemical) at Warehouse

5.5 Health & Hygiene Management Plan

MPRL E&P has established a system to evaluate and manage risks associated with personal health and hygiene, and regularly assesses preventive measures that should be implemented.

MPRL E&P identified hazards as well as developed preventive and mitigation measures related to the health and hygiene of personnel working at Mann Field. The plan includes but is not limited to:

- Responsibility for implementation of the Health and Hygiene Management Plan,
- Identification, prevention, and responses to illnesses such as health-related illnesses and diseases such as those transmitted by insects and parasites,
- Pre-assignment immunization and health screening requirements,
- Preventive measures to avoid snake bites as well as sickness arising from general hygiene issues and travel to and from the Mann Field

5.5.1 Health & Hygiene Management Plan Implementation and Progress

MPRL E&P has established a comprehensive plan to evaluate and manage risks related to personal health and hygiene. The plan includes advice and resources provided by an on-site MPRL E&P site doctor, as well as control measures to mitigate risks associated with diseases prevalent in the operational area. Daily and weekly inspections and reporting are conducted to monitor these measures. The plan is regularly assessed and updated to ensure its ongoing effectiveness.

Figure 13: Food Safety and Hygiene Inspection at Base Camp

Figure 14: Health & Hygiene Inspection at MYO

The Heat Stroke Awareness Campaign will be conducted in April 2026 at Mann Field to educate outdoor workers on prevention measures and first aid techniques for managing potential heat hazards in the workplace.

Figure 15: Heat Stroke Awareness Campaign

5.6 MEDEVAC Procedures

To address the challenges posed by the remote location of the Mann Field and the time required for medical evacuations, MPRL E&P has developed specific procedures that must be followed in the event of a medical evacuation (MEDEVAC). To ensure the health and safety of all personnel, anyone rotating to work at the Mann Field undergoes a thorough medical examination before being engaged, and these examinations are repeated at two-year intervals.

MPRL E&P will continue to provide information about the Mann Field's conditions and remoteness to the medical examiner. The medical examiner will assess whether individuals are suitable for working at the Mann Field, taking into account the potential health and safety risks. Any information obtained during the medical examination will be kept confidential between the employee and the medical examiner, unless the employee provides express written permission to share the information with MPRL E&P. MPRL E&P is committed to providing medical evacuation (MEDEVAC) facilities to all personnel working on the MPRL E&P project in Mann Field, including sub-contracted personnel. This includes a field clinic located at the worker base camp, where emergency medical treatment can be provided by MPRL E&P's medical staff.

In the event that additional medical support is required, MEDEVAC services are available to transport patients to appropriate medical facilities for further treatment.

5.6.1 MEDEVAC Procedure Implementation and Progress

To reinforced the importance of preparedness to practice and evaluate the team's response to a man-down situation, ensuring effective communication, timely medical intervention, and efficient evacuation, MEDEVAC drills are planned and conducted.

A Stretcher handling exercise was conducted on 02 Oct 2025 to refresh correct handling method and reinforce the importance of preparedness. The exercise evaluated the team's response to a man-down situation, focusing on effective communication, timely medical intervention, and efficient evacuation.

Figure 16: Stretcher Handling Exercise at Base Camp

5.7 Transportation Management Procedures

The Transportation Management Procedures aim to establish strict controls over traffic routes, speed limits, road safety requirements, vehicle loading and maintenance measures, as well as response procedures to traffic-related emergencies. These measures are implemented to ensure the safe and efficient transportation of personnel and equipment. The following management actions are covered under Transportation Management Procedures:

- Good practices on rest regime, timing routes and speed of driving,
- Safety rules related to MPRL E&P vehicles usage,
- Procedures for road risk assessment, and

- Procedures to rescue the driver and passenger(s) who fail to get to their check calls or destination by the ETA designated on the Journey Management Plan

5.7.1 Transportation Management Procedures Implementation and Progress

MPRL E&P has established a transport management procedure to control traffic routes, speed limits, road safety requirements, vehicle loading, and maintenance measures. The procedure also includes protocols for responding to traffic emergencies. To maintain high safety standards, MPRL E&P has outsourced transportation to its sister company, M&AS. M&AS follows the same safety rules and regulations as MPRL E&P regarding vehicle usage and practices good measures such as road risk assessments, rest regime, timing routes, speed of driving, and alcohol testing.

Figure 17: Safe Crew Change Inspection Activities

5.8 Contractor Environmental Management Plan(s)

The Project will sometimes require engaging contractors to carry out Project activities. The contractors are responsible for performing all work:

- In compliance with relevant national and international HSE legislation and regulations and with other requirements to which the project subscribes,
- In conformance with the Project's EMP, and
- By contractual technical and quality specifications

The Project will also provide a specification for environmental compliance and performance (through approved EIA and EMP and the associated plans) and, as a contractual requirement, the contractor will develop and provide to the Project its specific management plans demonstrating how they intend to comply with the stipulated requirements.

Contractors must also provide documentation detailing their plans for:

- Implementing the measures required in the EIA and this EMP,

- Local content,
- Logistics,
- Community relations

The contractor management plans must conform to the requirements of the Project's overarching plans. Contractor plans will be reviewed and approved by MPRL E&P and incorporated into, and form part of, the Project's overall EMP.

Contractors will be required to self-monitor against their plan and the contractor's compliance with the plan will be routinely monitored by MPRL E&P directly or by third parties. Contractors will be required to submit regular reports of monitoring activities and the Project will review these regularly. An external assurance process will be conducted on an annual basis the results of which will be disclosed after the process.

As a contractual requirement, the subcontractors are required to provide sufficient resources to manage HSE aspects of the work to be performed. This includes providing resources to ensure compliance of next-tier subcontractors and a process for emergency stop-work orders in response to monitoring triggers.

5.8.1 Contractor Environmental Management Plan(s) Implementation

At Mann Field, there may be contractors engaged in activities such as providing MPRL E&P with manpower services, logistic services, catering services, machinery maintenance and repairing of machines and instruments for the field operations. M&AS is one of the companies involved in the MPRL E&P camp rules and fulfilled the environmental-related management plans, including waste management procedures. If there are any contractors or third-party monitoring teams working in the Mann Field, also required to respect and obey MPRL E&P HSE rules and policies.

Figure 18: Contractors Inspections & Transportation

6. Environmental Monitoring Plan

The project conducted monitoring activities to assess compliance with regulatory requirements and to evaluate the effectiveness of operational controls and other measures aimed at mitigating potential impacts.

Physical Environmental Monitoring:

- Ambient Air Quality,
- Noise,
- Groundwater Quality,
- Surface water Quality,
- Soil Quality

In accordance with the EIA commitments, MPRL E&P has been regularly conducting environmental monitoring activities and submitting monitoring reports to the ECD bi-annually. This is the twelfth monitoring report, and it follows the committed monitoring plan from the EIA Report, as stated in Table 8 of the Environmental and Social Monitoring Program (as shown in Table 8.3 of the EIA Report).

Ambient air quality and noise quality monitoring were conducted at Z3AQN and Z4AQN, surface water and groundwater samples were collected at six locations, and soil quality monitoring was carried out at Z3S1, Z3S2, Z4S1 and Z4S2. In addition to this, self-monitoring activities for water analysis were conducted and tested at ALARM lab and ISO Tech lab, and their results were covered in this report.

In addition, self-monitoring activities are involved depending on the management plans and operational control. Based on the activities, the following are stated in Table 7 as MPRL E&P's self-monitoring activities scheduled from Mann Field:

- Vent gas monitoring,
- Drinking water quality monitoring,
- Monitoring of discharged water from sewage treatment system,
- Hydro-test water quality monitoring,
- Monitoring on wastes

Table 7: MPRL E&P's Self-Monitoring Plan and Schedule

No.	Self-Monitoring Activities	Purpose of Monitoring	Locations	Parameters to be monitored	Frequency
1.	Vent Gas Monitoring	Regular monitor the amount of vent gas connection line, measuring with Echo meter.	All Vent Gas Wells	Methane, CH_4	Monthly and Bi-Annual
2.	Hydrogen Sulfide (H_2S) Monitoring	To fulfill the obligation from the ECC and ensure the safety of operations & personnel living nearby.	All Operating Wells	H_2S(ppm), CO (ppm), O_2(%), and LEL%	Monthly and Bi-Annual
3	Drinking-Water Monitoring	Ensuring Safe Drinking Water for the health of personnel	MPRL E&P Base Camp	pH, Turbidity, Apparent Color, Hardness, Arsenic, Chloride, Lead, Total Dissolved Solids, Iron, Electrical Conductivity, Sulphate, Calcium, Magnesium, Nitrate-Nitrogen	Bi-Annual
4.	Discharged of Sewage Treatment System	To mitigate the pollution of soil and ground water, and environment	MPRL E&P Base Camp	pH, Temperature, TSS, BOD_5, COD, Total Phosphorous, Oil & Grease, Total Nitrogen, Turbidity, Electrical Conductivity, Total Coliforms	Bi-Annual
5.	Hydro-test Water Quality	to monitor the quality of water	Warehouse	BOD_5, COD, Chloride, Heavy Metals (Total), pH, Phenols, Sulfides, Total hydrocarbon content, Total suspended solids	Bi-Annual

No.	Self-Monitoring Activities	Purpose of Monitoring	Locations	Parameters to be monitored	Frequency
6.	Domestic water	to monitor the quality of water	Downhole Workshop & Mechanical Workshop	BOD_5, COD, Ammonia, Arsenic, Cadmium, Chlorine (Total residual), Chromium (hexavalent), Chromium (total), Copper, Cyanide (free), Cyanide (total), Fluoride, Heavy Metals (Total), Iron, Lead, Mercury, Nickel, Oil & Grease, pH, Phenols, selenium, Silver, Sulfides, Temperature increase, Total coliforms, Total phosphorous, Total suspended solids, Zinc	Bi-annual
7.	Ground water (Tube-well)	To monitor the quality of groundwater near wells of chemical treatment for EOR	Ko Win Maung & Ma Nyein (near #132)	pH, DO, Turbidity, Apparent Color, Alkalinity, Hardness, BOD_5, COD, total Nitrogen, total Phosphorous, Oil & Grease, TSS, E. coli, Total coliforms, Arsenic, Barium, Boron, Total Chromium, Flouride, Selenium, Uranium, Electrical Conductivity	Bi-annual
8.	Produced Water Monitoring	Zero discharge by injecting 100% to shut-in wells	All Operating Wells	produced volume and disposal volume	Daily
9.	Monitoring on Wastes	Implementing as per Waste Management Procedure	Waste Management Compound and Sludge Management Compound	General, Recyclable, Organic, Hazardous	Weekly

Table 8: Environmental and Social Monitoring Programme (Construction and Operation Phase)

Project Stage	Potential Impact	Parameters to be Monitored	Location	Measurements	Frequency	Responsibility
At least two weeks before the construction activities for baseline data collection. Construction and Operation	Air Quality	NOx, SO_2, $PM_{2.5}$, PM_{10}, CO. Check compliance with Myanmar National Environmental Quality (Emission) Guidelines (2015).	Z1AQN, Z2AQN, Z3AQN and Z4AQN, locations indicated on Table 5.1 and Figure 5.10	Sampling and analysis of ambient air pollutants to be conducted accordingly to the guidelines of Myanmar NEQEG. Haz-Scanner EPAS Wireless Environmental Perimeter Air Station to be used for measurement.	Monthly monitoring for the first three months during both the construction and operation phase. After the three-month period, a review should be conducted to determine whether the collected data indicates an impact has occurred beyond what has been predicted within the EIA. Should no higher impacts be observed, monitoring can be reduced to a six-monthly or yearly programme. Should higher impacts be observed, monitoring should continue and appropriate actions be taken to alleviate the impacts with an aim to prevent any further impacts from occurring.	MPRL E&P HSE Coordinator

Project Stage	Potential Impact	Parameters to be Monitored	Location	Measurements	Frequency	Responsibility
At least two weeks before the construction activities for baseline data collection. Construction and Operation	Noise	Check compliance with Myanmar National Environmental Quality (Emission) Guidelines (2015)	Z1AQN, Z2AQN, Z3AQN and Z4AQN, locations indicated on Table 5.1 and Figure 5.10	24-hour noise monitoring using the portable sound meter (Lutron, SL-0423SD, unit: dB). Noise level (LAeq) measured and recorded at a ten-minute interval and averaged at an hourly and daily (i.e. 24-hour) interval.	As above	MPRL E&P HSE Coordinator
At least two weeks before the construction activities for baseline data collection. Construction and Operation	Groundwater Quality	In-situ measurements for transparency, temperature, pH, DO, turbidity, colour, alkalinity and hardness. Laboratory analysis of BOD_5, COD, Total Nitrogen, Total Phosphorus, Oil and grease, TSS, E. coli, Arsenic, Barium, Boron, Total Chromium, Floride, Selenium, Uranium	Z1GW, Z2GW, Z3GW and Z4GW, locations indicated on Table 5.11and Figure 5.14	In-situ measurements for transparency, temperature, pH DO, turbidity, colour, alkalinity and hardness. Laboratory analysis of BOD_5, COD, Total Nitrogen, Total Phosphorus, Oil and grease, TSS, E. coli, Arsenic, Barium, Boron, Total Chromium, Floride, Selenium, Uranium	As above	MPRL E&P HSE Coordinator

Project Stage	Potential Impact	Parameters to be Monitored	Location	Measurements	Frequency	Responsibility
At least two weeks before the construction activities for baseline data collection. Construction and Operation	Surface Water Quality	In-situ measurements for transparency, temperature, pH DO, turbidity, colour, alkalinity and hardness. Laboratory analysis of BOD_5, COD, Total Nitrogen, Total Phosphorus, Oil and grease, TSS, E. coli, Arsenic, Barium, Boron, Total Chromium, Fluoride, Selenium, Uranium	Z1SW, Z2SW, Z3SW and Z4SW, locations indicated on Table 5.7 and Figure 5.12	In-situ measurements for transparency, temperature, pH DO, turbidity, colour, alkalinity and hardness. Laboratory analysis of BOD_5, COD, Total Nitrogen, Total Phosphorus, Oil and grease, TSS, E. coli, Arsenic, Barium, Boron, Total Chromium, Fluoride, Selenium, Uranium	As above	MPRL E&P HSE Coordinator
At least two weeks before the construction activities for baseline data collection. Construction and Operation	Soil Quality	pH; Arsenic (As); Lead (Pb); Cadmium (Cd); Copper (Cu); Zinc (Zn); Manganese (Mn); and Iron (Fe). Comparison with the Dutch Standard 2000.	Z1S, Z2S, Z3S and Z4S, locations indicated on Table 5.13 and Figure 5.16	Follow sampling procedure, sample preservation and sample analysis recommended in Myanmar NEQEG. Laboratory analysis of pH; Arsenic (As); Lead (Pb); Cadmium (Cd); Copper (Cu); Zinc (Zn); Manganese (Mn); and Iron (Fe).	As above	MPRL E&P HSE Coordinator

Project Stage	Potential Impact	Parameters to be Monitored	Location	Measurements	Frequency	Responsibility
Construction and Operation	Discharge of treated wastewater and runoff	Check compliance with Myanmar National Environmental Quality (Emissions) Guidelines for site runoff and wastewater discharges (for BOD_5, COD, TSS, oil and grease, pH, total coliform bacteria, total nitrogen, total phosphorus) during construction. Check compliance with Myanmar National Environmental Quality (Emissions) Guidelines for Onshore Oil and Gas Development during operation.	Treated wastewater discharge points at discharge points such as worker camps, GOCS, shut in wells.	In-situ measurements for pH, temperature, dissolved oxygen (DO), electrical conductivity (EC), and turbidity. Laboratory analysis of BOD_5, COD, Total Suspended Solids, Total Nitrogen, Total Phosphorous, Oil and Grease	As above	MPRL E&P HSE Coordinator

Project Stage	Potential Impact	Parameters to be Monitored	Location	Measurements	Frequency	Responsibility
Operation	Vented gas	Check compliance with Myanmar National Environmental Quality (Emissions) Guidelines for Onshore Oil and Gas Development during operation (H_2S)	Three vented gas location (randomly selected)	Real-time measurement	Monthly monitoring for the first three months during operation phase. After the three months' period, a review should be conducted to determine whether the collected data indicates an impact has occurred beyond what has been predicted within the EIA. Should no higher impacts be observed, monitoring can be reduced to a six-monthly or yearly programme. Should higher impacts be observed, monitoring should continue and appropriate actions be taken to alleviate the impacts with an aim to prevent any further impacts from occurring	MPRL E&P HSE Coordinator

7. Complying with ECC Commitments and Follow-up Actions

Adherence to the frameworks established in Articles 5 and 6 of our EIA and ECC remains a primary objective for MPRL E&P. We pledge to maintain the continuity of our environmental stewardship by providing detailed monitoring reports at prescribed intervals. These documents serve as a verifiable record of our self-monitoring initiatives and EMP implementation, reflecting our unwavering dedication to regulatory compliance even during periods of operational difficulty.

We sustain a collaborative alliance with regional and district ECD offices, prioritizing the implementation of their guidance. Through consistent dialogue with government stakeholders, MPRL E&P ensures streamlined communication and the ability to provide prompt, effective responses to any situational challenges.

In coordination with the Regional ECD (Magway), a comprehensive environmental assessment was executed across several strategic monitoring stations. The scope of work included the evaluation of air quality and acoustic levels at stations Z3AQN and Z4AQN, alongside soil quality characterization at locations Z3S1, Z3S2, Z4S1, and Z4S2.

Stations Z3AQN and Z4AQN were prioritized for the current air and acoustic monitoring cycle based on critical site selection criteria, including instrument security, availability of a stable power supply, and logistical proximity to active field operations. As regional conditions stabilize, we plan to expand the monitoring scope to include the two remaining designated areas to ensure full network coverage.

This report incorporates specific enhancements requested by the ECD, most notably the comparison of surface water monitoring data with the latest 2024 National Surface Water Quality Standards. Furthermore, our commitment to climate mitigation is substantiated in this document through detailed Google Earth imagery and site layout plans that illustrate the current status and maturation of our plantation projects at Mann Field.

With the submission of this twelfth bi-annual Environmental Monitoring Report (EMoR), MPRL E&P continues its history of consistent regulatory reporting to the Environmental Conservation Department (ECD). Beyond our collaborative efforts with the department, we have maintained a rigorous internal self-monitoring program, highlighted by the comprehensive water quality assessments conducted across seven strategic locations. We remain steadfast in our commitment to fulfilling all environmental obligations and adhering to the established monitoring schedule.

Looking ahead, we plan to conduct monitoring activities for air, noise, surface water, groundwater, and soil quality. The scheduling and implementation of these initiatives will be contingent on current socio-political conditions and security considerations.

Table 9: Implementation and Follow-up Actions on ECD's Comments

ရက်စွဲ	၁၂-၆-၂၀၂၀
စာအမှတ်	အရည်အသွေး-၂/ဆစရ (၂၂၆/၂၀၂၀)
ဌာန	ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးချုပ်ရုံး၊နေပြည်တော်
အကြောင်းအရာ	**MPRL E&P Pte. Ltd မှ မကွေးတိုင်းဒေသကြီး၊ မန်းရေနံမြေတွင် အကောင်အထည်ဖော် ဆောင်ရွက်လျက်ရှိသည့် ကုန်းတွင်းရေနံဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် (Redevelopment and Enhanced Oil Recovery – EOR Programme) ၏ ဒုတိယအကြိမ် ပတ်ဝန်းကျင်ဆိုင်ရာ စောင့်ကြည့်စစ်ဆေးမှုအစီရင်ခံစာ တင်ပြလာခြင်းနှင့်ပတ်သက်၍ အကြောင်းကြားခြင်း**

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှု အခြေအနေ
(က)	လေထုအရည်အသွေးဆိုင်ရာ Parameter ဖြစ်သည့် SO_2 ၏ ရလဒ်အား အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ် လွှတ်မှု) လမ်းညွှန်ချက်များ (NEQEGs) ၏ သတ်မှတ်ချက်အတွင်းရှိရေး စောင့်ကြပ်ကြည့်ရှု သွားရန်၊	- သတ်မှတ်ချက်အတွင်းရှိရေး စောင့်ကြပ် ကြည့်ရှုလျက်ရှိပါသည်။ - COVID-19 pandemic & Security Concern ကြောင့် စတုတ္ထနှင့် ပဉ္စမအကြိမ် အစီရင်ခံစာတွင် Third party monitoring survey မပြုလုပ်နိုင်ခဲ့ပါ။ ဆဋ္ဌမ အကြိမ် အစီရင်ခံစာ မှစ၍ ထည့်သွင်း တိုင်းတာ စောင့်ကြပ်ကြည့်ရှုလျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှု အခြေအနေ
(ခ)	ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ်တွင် တိုင်းတာမည်ဟု ဖော်ပြပါရှိသော ရေထု အရည်အသွေး (မြေပေါ်ရေ၊ မြေအောက်ရေ) ဆိုင်ရာ Parameter များကို ပြည့်စုံစွာ တိုင်းတာရန်၊	- COVID-19 pandemic & Security Concern ကြောင့် စတုတ္ထနှင့် ပဉ္စမအကြိမ် အစီရင်ခံစာတွင် Third party monitoring survey မပြုလုပ် နိုင်ခဲ့ပါ။ တိုင်းတာသည့် အဖွဲ့အစည်း၊ ရရှိနိုင်သည့် စက်ပစ္စည်းအမျိုးအစား နှင့် ဓါတ်ခွဲခန်းအခြေအနေ တို့ပေါ်မူတည်၍ ပြည့်စုံစွာ တိုင်းတာနိုင်ရေး ကြိုးစား ဆောင်ရွက်လျက်ရှိပါသည်။ - နိုင်ငံအတွင်းရှိ ဓါတ်ခွဲခန်း များ၌ စစ်ဆေးနိုင်သည့် Parameter များအား စစ်ဆေး တိုင်းတာလျက် ရှိပါသည်။
(ဂ)	မြေပေါ်ရေအရည်အသွေးကို စောင့်ကြည့် စစ်ဆေးမှု အစီရင်ခံစာတွင် NEQEGs နှင့် နှိုင်းယှဉ်ထားပါသဖြင့် အိမ်နီးချင်းနိုင်ငံများ၏ မြေပေါ်ရေအရည်အသွေး သတ်မှတ်စံချိန် စံညွှန်းများနှင့် နှိုင်းယှဉ်ဖော်ပြရန်၊	- ဒုတိယအကြိမ် ပတ်ဝန်းကျင် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ မှစတင်၍ နှိုင်းယှဉ် ဖော်ပြခဲ့ ပါသည်။ - COVID-19 pandemic & Security Concern ကြောင့် စတုတ္ထနှင့် ပဉ္စမအကြိမ် အစီရင်ခံစာတွင် Third party monitoring survey မပြုလုပ်နိုင်ခဲ့ပါ။ သတ္တမအကြိမ်မှစ၍ မြေပေါ်ရေ အရည်အသွေး စောင့်ကြည့်တိုင်းတာစစ်ဆေးမှု ကို အခြေအနေ ပေးသည့်နေရာ (၄) ခု၌ မကွေးတိုင်းဒေသကြီး ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဦးစီးဌာန နှင့် ပြန်လည် ပြုလုပ်နိုင်ခဲ့ပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှု အခြေအနေ
(ဃ)	ဆူညံသံ သက်ရောက်မှုကို အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ် မှု) လမ်းညွှန်ချက်များ၏ သတ်မှတ်ချက် အတွင်းရှိစေရေး ဆောင်ရွက်သွားရန်၊	- အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည် အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက် များ၏ သတ်မှတ်ချက် အတွင်း ရှိစေရေး ဆောင်ရွက် ထားရှိပါသည်။ - COVID-19 pandemic & Security Concern ကြောင့် စတုတ္ထနှင့် ပဉ္စမအကြိမ် အစီရင်ခံစာတွင် Third party monitoring survey မပြုလုပ်နိုင်ခဲ့ပါ။ သတ္တမအကြိမ် စောင့်ကြည့်စစ်ဆေးမှု အစီရင်ခံစာ မှစ၍ မကွေးတိုင်းဒေသကြီး ပတ်ဝန်းကျင် ထိန်းသိမ်းရေး ဦးစီးဌာနနှင့်အတူ နေရာ (၂) ခု၌ စောင့်ကြည့်တိုင်းတာ စစ်ဆေးမှု ပြုလုပ်နိုင် ခဲ့ပါသည်။
(င)	အတည်ပြုပြီး ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်း အစီရင်ခံစာတွင် ဖော်ပြပါရှိသည့် ထိခိုက်မှု လျော့ချမည့်နည်းလမ်းများအား လိုက်နာ ဆောင်ရွက်သွားရန်နှင့် စောင့်ကြည့် စစ်ဆေးမှု အစီရင်ခံစာတွင် ထည့်သွင်း ဖော်ပြ သွားရန်။	- လိုက်နာဆောင်ရွက်လျက်ရှိပါသည်။ စောင့်ကြည့် စစ်ဆေးမှု အစီရင်ခံစာတွင် ထည့်သွင်း ဖော်ပြ ထားပါသည်။

ရက်စွဲ	၇-၃-၂၀၂၃
စာအမှတ်	၅/ ထိန်းချုပ်/ စကရ (၀၁) (၄၂၂/၂၀၂၃)
ဌာန	ညွှန်ကြားရေးမှူးရုံး၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ မကွေးတိုင်းဒေသကြီး၊ မကွေးမြို့
အကြောင်းအရာ	**မင်းဘူးခရိုင်၊ မင်းဘူးမြို့နယ်၊ မန်းရေနံမြေအတွင်းရှိ Environmental Impact Assessment (EIA) အတည်ပြုပြီး MPRL E&P Pte. Ltd ၏ ရေနံပြန်လည်ဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် (Redevelopment and Enhanced Oil Recovery – EOR Programme) အတွက် (၂၀၂၀ ခုနှစ် ဧပြီလမှ စက်တင်ဘာလအထိ) ၊ (၂၀၂၁ အောက်တိုဘာလမှ ၂၀၂၂ မတ်လအထိ) နှင့် (၂၀၂၂ ဧပြီလမှ စက်တင်ဘာလအထိ) စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာ များနှင့် ပတ်သက်၍ အကြောင်းကြားခြင်း**

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(က)	ကုမ္ပဏီမှ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာ ဆောင်ရွက်မှု သက်သေခံလက်မှတ်၏ အပိုဒ် (B1) အရ အတည်ပြုအစီရင်ခံစာ ဇယား (၈.၃) တွင် ဖော်ပြထားသော ကတိကဝတ်များအား အကောင်အထည်ဖော် ဆောင်ရွက်သွားရန်၊	- သတ်မှတ်ချက်အတွင်းရှိရေး စောင့်ကြပ် ကြည့်ရှုလျက်ရှိပါသည်။
(ခ)	ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေးများ တိုင်းတာစစ်ဆေးရာတွင် တိုင်းတာစစ်ဆေးမှု ရလဒ်များအပေါ်မူတည်၍ အကျိုးအကြောင်း ခိုင်လုံစွာ ဖော်ပြရန်၊	- (၆) လပတ် ပတ်ဝန်းကျင် စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံစာများတွင် ထည့်သွင်း တင်ပြလျက်ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ဂ)	ကုမ္ပဏီမှ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာ ဆောင်ရွက်မှု သက်သေခံလက်မှတ်၏ အပိုဒ် (C3) အရ စီမံကိန်း၏ လုပ်ဆောင်မှုများ၊ Sites (သို့) ဆိုးရွားသော ထိခိုက်မှုများ ပြောင်းလဲမှုရှိပါက ပြန်လည်ပြင်ဆင်ထားသည့် EMP အား စိစစ်နိုင်ရန် နှင့် အတည်ပြုနိုင်ရန် အတွက် ECD သို့တင်ပြသွားရန်၊	- စီမံကိန်း၏ လုပ်ဆောင်မှုများ/ ဆိုးရွားသော ထိခိုက်မှုများ ပြောင်းလဲမှုရှိပါက တင်ပြသွားပါမည်။
(ဃ)	ထပ်မံတင်ပြမည့် စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် အတည်ပြုပြီး EIA အစီရင်ခံစာပါ အပိုဒ် (၈.၃) ပတ်ဝန်းကျင် စောင့်ကြပ်ကြည့်ရှုခြင်း အစီအစဉ်တွင် ဖော်ပြထားသည့်အတိုင်း လေထုအရည်အသွေး၊ ဆူညံသံ၊ မြေအောက်ရေအရည်အသွေး၊ မြေပေါ်ရေအရည်အသွေး နှင့် မြေဆီလွှာအရည်အသွေးတို့အား တိုင်းတာစစ်ဆေးသွားရန်၊ တိုင်းတာ စစ်ဆေးမှုရလဒ်များအား Baseline data များနှင့် နှိုင်းယှဉ်ဖော်ပြရန်နှင့် တိုင်းတာစစ်ဆေးမှု ရလဒ်များအား သတ်မှတ်စံချိန်စံညွှန်းအတွင်း ရှိစေရေး စီမံဆောင်ရွက်သွားရန်၊	- ပတ်ဝန်းကျင် စောင့်ကြပ်ကြည့်ရှုခြင်း အစီအစဉ်တွင် ဖော်ပြထားသည့် အတိုင်း တိုင်းတာစစ်ဆေးလျက် ရှိပါသည်။ - တိုင်းတာစစ်ဆေးသည့် အဖွဲ့အစည်း နှင့် တိုင်းတာသည့် စက်ပစ္စည်း၊ ခါတ်ခွဲခန်းမှ တိုင်းတာနိုင်သည့် အခြေအနေ စသည်တို့ပေါ်မူတည်၍ ကျန်ရှိ parameter များကို တိုင်းတာ စစ်ဆေးနိုင်ရေး ဆောင်ရွက်သွားမည် ဖြစ်ပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ငြ)	လေထု၊ ရေထု၊ မြေထု၊ ဆူညံသံ အရည်အသွေးများအား အတည်ပြုပြီး EIA အစီရင်ခံစာတွင် ပါရှိသည့် သတ်မှတ် Parameter များ၊ သတ်မှတ်နေရာများအတိုင်း တိုင်းတာသွားရန် နှင့် လုပ်ကွက်အတွင်း တိုင်းတာသည့်နေရာ၊ location point များနှင့် နမူနာ ကောက်ယူသည့်နေရာများအား Google Map ဖြင့်လည်းကောင်း၊ Layout plan ဖြင့်လည်းကောင်း ထည့်သွင်းဖော်ပြရန်နှင့် တိုင်းတာသည့် ရလဒ်များကို အချိန် ပါသည့် မှတ်တမ်းဓါတ်ပုံများနှင့်တကွ ဖော်ပြရန်၊	- ကိုဗစ်-၁၉ ရောဂါဖြစ်ပွားမှု၊ လုံခြုံရေးအခြေအနေ၊ ခရီးသွားလာ နိုင်မှုအခြေအနေ၊ တိုင်းတာ စစ်ဆေးသည့် အဖွဲ့အစည်း နှင့် တိုင်းတာသည့် စက်ပစ္စည်း၊ ဓါတ်ခွဲခန်းမှ တိုင်းတာနိုင်သည့် အခြေအနေ စသည်တို့ပေါ်မူတည်၍ ပတ်ဝန်းကျင် စောင့်ကြပ်ကြည့်ရှုခြင်း အစီအစဉ်ကို အကောင်အထည်ဖော်ဆောင်ရွက် လျက်ရှိပါသည်။ - လက်ရှိ ဒေသတွင်းအခြေအနေအရ တိုင်းတာနိုင်သည့် နေရာ အကန့် အသတ်ရှိသောကြောင့် နေရာအချို့တွင် သွားရောက် တိုင်းတာ စစ်ဆေးနိုင်မှု မရှိသေးပါ။
(စ)	လေထုအရည်အသွေးတိုင်းတာသည့် Data Result များအား Data Analysis ပြုလုပ်ရန်အတွက် အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များပါ သတ်မှတ်ထားသည့် အချိန်ကာလအတိုင်း တိုင်းတာထားသည့် ရလဒ်များအား Excel Form ဖြင့် ပြည့်စုံစွာ ထည့်သွင်းဖော်ပြရန်၊	- (၆) လပတ် ပတ်ဝန်းကျင်စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံစာများတွင် သတ်မှတ်ထားသည့် အချိန်ကာလ အတိုင်း ထည့်သွင်း တင်ပြလျက်ရှိပါသည်။
(ဆ)	ဂေဟစနစ်ထိန်းသိမ်းရေးအနေဖြင့် ပတ်ဝန်းကျင်စိမ်းလန်း စိုပြေရေး အတွက် ထိန်းသိမ်းကာကွယ်ထားသော သဘာဝ ပေါက်ပင်များအား ကောင်းမွန်စွာ ရှင်သန်နိုင်ရေး၊ ပျက်စီးဆုံးရှုံးမှုများ မဖြစ်ပေါ်စေရေး ဂရုပြုဆောင်ရွက်သွားရန်၊	- ကောင်းမွန်စွာ ရှင်သန်နိုင်ရေး နှင့် ပျက်စီးဆုံးရှုံးမှုများ မဖြစ်ပေါ်စေရေး ဂရုပြု လိုက်နာ ဆောင်ရွက်လျက်ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(၈)	လုပ်ငန်းတွင် မီးဘေးအန္တရာယ်ကာကွယ်ရေးအတွက် မီးသတ်ဦးစီးဌာန၏ လမ်းညွှန်ချက်များအတိုင်း အထူးအလေးထားလိုက်နာဆောင်ရွက်ရန်၊	- မီးသတ်ဦးစီးဌာန၏ လမ်းညွှန်ချက်များအတိုင်း အထူးအလေးထား လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။
(၈၂)	အတည်ပြုပြီး EIA အစီရင်ခံစာအား အများပြည်သူများ သိရှိနိုင်ရေး ကုမ္ပဏီ Website ကဲ့သို့သော အများပြည်သူများ သိရှိနိုင်မည့် နည်းလမ်းများအသုံးပြု၍ လွှင့်တင်ထားရှိရန်၊	- လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။
(၈၃)	အတည်ပြုပြီး အစီရင်ခံစာပါ ကတိကဝတ်များနှင့် ECC ပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များအား အလေးထား လိုက်နာဆောင်ရွက်သွားရန်၊	- အလေးထား လိုက်နာ ဆောင်ရွက် လျက် ရှိပါသည်။
(၈၄)	ကုမ္ပဏီအနေဖြင့် ဒေသခံပြည်သူတို့၏ ဆန္ဒနှင့် သဘောထားများကို အလေးထား လိုက်နာဆောင်ရွက်ရန်နှင့် စောင့်ကြပ်ကြည့်ရှုမှု လုပ်ငန်းစဉ်များကို ပတ်ဝန်းကျင် ထိန်းသိမ်းရေး ဥပဒေ၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး နည်းဥပဒေများ၊ ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်း ဆိုင်ရာ လုပ်ထုံးလုပ်နည်း၊ အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များနှင့်အညီ ဆက်လက် အကောင်အထည်ဖော် ဆောင်ရွက်သွားရန်၊	- လိုက်နာ အကောင်အထည်ဖော် ဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(၄)	စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာအား ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၉) နှင့်အညီ ရေးဆွဲပြုစု၍ အပိုဒ် (၁၀၈) နှင့်အညီ (၆) လလျှင် (၁) ကြိမ် ပုံမှန်အစီရင်ခံတင်ပြရန်။	- (၆) လ လျှင် တစ်ကြိမ် ပုံမှန် အစီရင်ခံတင်ပြလျက်ရှိပါသည်။

ရက်စွဲ	၇-၉-၂၀၂၃
စာအမှတ်	၅/ ထိန်းချုပ်/ စကရ (၀၁) (၁၈၆၀/၂၀၂၃)
ဌာန	ညွှန်ကြားရေးမှူးရုံး၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ မကွေးတိုင်းဒေသကြီး၊ မကွေးမြို့
အကြောင်းအရာ	**မကွေးတိုင်းဒေသကြီး၊ မင်းဘူးမြို့နယ်၊ မန်းရေနံမြေအတွင်းရှိ Environmental Impact Assessment (EIA) အတည်ပြုပြီး MPRL E&P Pte. Ltd ၏ ရေနံပြန်လည်ဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် (Re-development and Enhanced Oil Recovery – EOR Programme) အတွက် (၂၀၂၂ ခုနှစ်၊ အောက်တိုဘာလ မှ ၂၀၂၃ ခုနှစ်၊ မတ်လအထိ) တင်ပြလာသော (၆)လပတ် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာနှင့်ပတ်သက်၍ အကြောင်းကြားခြင်း**

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(က)	လေထုအရည်အသွေး တိုင်းတာထားသည့်ရလဒ်များအား အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ (National Environmental Quality Emission Guideline – NEQEG) ပါ သတ်မှတ် Unit ဖြင့် ဖော်ပြရန်၊	- လေထုအရည်အသွေး တိုင်းတာထားသည့် ရလဒ်များအား NEQEG ပါ သတ်မှတ် Unit ဖြင့် ဖော်ပြလျက် ရှိပါသည်။
(ခ)	လုပ်ကွက်အတွင်းရှိ မြေအောက်ရေနှင့် တိုင်းတာ ဖော်ပြထားသော မြေပေါ်ရေအား ဝန်ထမ်းများ သောက်သုံးရေအဖြစ် အသုံးပြုပါက World Health Organization (WHO) ၏ Drinking Water Quality Guideline (2011) (သို့မဟုတ်) ကျန်းမာရေးဝန်ကြီးဌာနမှ ထုတ်ပြန်ထားသော National Drinking Water Quality Standard ဖြင့် နှိုင်းယှဉ်ဖော်ပြရန်၊	- လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ဂ)	စွန့်ပစ်ရေ အရည်အသွေးတိုင်းတာမှုတွင် Total Coliform bacteria၊ Biochemical Oxygen Demand (BOD)၊ Total Suspended Solid တန်ဖိုးတို့သည် သတ်မှတ်စံချိန် စံညွှန်းထက် ကျော်လွန်နေသည်ကို တွေ့ရှိရသဖြင့် ကျော်လွန်ရသည့် အကြောင်းရင်းအား ဖော်ပြရန်နှင့် သတ်မှတ်စံချိန်စံညွှန်းအတွင်းရှိစေရေး စီမံဆောင်ရွက် သွားရန်၊	- သတ်မှတ်စံချိန်စံညွှန်းထက် ကျော်လွန်ရသည့် အကြောင်းရင်းအား ပတ်ဝန်းကျင် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ ၏ သက်ဆိုင်ရာ ခေါင်းစဉ်အခန်းများတွင် ထည့်သွင်း ရှင်းလင်းတင်ပြ ထားရှိပါသည်။ သတ်မှတ်စံချိန်စံညွှန်းအတွင်း ရှိစေရေး စီမံဆောင်ရွက်လျက်ရှိပါသည်။
(ဃ)	မြေထုအရည်အသွေးတိုင်းတာမှုတွင် အတည်ပြုပြီး EIA အစီရင်ခံစာပါ သတ်မှတ် Parameter များအား ပြည့်စုံစွာ တိုင်းတာဖော်ပြရန်၊ လိုက်နာဆောင်ရွက်မည့် သတ်မှတ် Guideline ဖြင့် နှိုင်းယှဉ်ဖော်ပြရန်နှင့် Guideline အမည်အား ဖော်ပြရန်၊	- လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။
(င)	ပတ်ဝန်းကျင်အရည်အသွေးများ တိုင်းတာစစ်ဆေးရာတွင် တိုင်းတာစစ်ဆေးမှု ရလဒ်များအပေါ် မူတည်၍ အကျိုး အကြောင်းခိုင်လုံစွာ ဖော်ပြရန်နှင့် ပတ်ဝန်းကျင် အရည်အသွေး တိုင်းတာစစ်ဆေးမှု ရလဒ်များအား ဖော်ပြရာတွင် Unit များ မှန်ကန်စေရေး အလေးထား ဆောင်ရွက်ရန်၊	- အလေးထားလိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(စ)	ဂေဟစနစ်ထိန်းသိမ်းရေးအနေဖြင့် ပတ်ဝန်းကျင်စိမ်းလန်း စိုပြည်ရေးအတွက် ထိန်းသိမ်းကာကွယ်ထားသော သဘာဝ ပေါက်ပင်များအား ကောင်းမွန်စွာ ရှင်သန်နိုင်ရေး၊ ပျက်စီး ဆုံးရှုံးမှုများ မဖြစ်ပေါ်စေရေး ဂရုပြုဆောင်ရွက်သွားရန်၊	- ဂေဟစနစ် ထိန်းသိမ်းရေး အနေဖြင့် သဘာဝ ပေါက်ပင်များအပေါ် ကောင်းမွန်စွာ ရှင်သန်နိုင်ရေးနှင့် ပျက်စီးဆုံးရှုံးမှု မဖြစ်ပေါ်စေရေး ဂရုပြုဆောင်ရွက်လျက် ရှိပါသည်။
(ဆ)	လုပ်ငန်းတွင် မီးဘေးအန္တရာယ်ကာကွယ်ရေးအတွက် မီးသတ် ဦးစီးဌာန၏ လမ်းညွှန်ချက်များအတိုင်း အထူးအလေးထား လိုက်နာဆောင်ရွက်ရန်၊	- မီးသတ် ဦးစီးဌာန၏ လမ်းညွှန်ချက်များအတိုင်း အထူးအလေးထား လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။
(ဇ)	တင်ပြလာသော စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာများနှင့် ပတ်သက်၍ လေထု၊ ရေထု၊ မြေထုအရည်အသွေးအပါအဝင် ပတ်ဝန်းကျင်အရည်အသွေး စောင့်ကြည့်တိုင်းတာမှု ရလဒ်များအရ သတ်မှတ်စံချိန်စံညွှန်းများထက် ကျော်လွန်မှု ရှိနေပါက အတည်ပြုပြီး EIA ပါ Mitigation Measure များ၊ ဆောင်ရွက်မည့် လုပ်ငန်းအစီအစဉ်များနှင့် စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံစာတွင် ဖော်ပြပါရှိသော တိုင်းတာစောင့်ကြည့်မည့် လုပ်ငန်းစဉ်များအတိုင်း ဆက်လက် ဆောင်ရွက်သွားရန်နှင့် ထပ်မံတင်ပြမည့် စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာများတွင် ဆောင်ရွက်မည့် အစီအစဉ် များကို ထည့်သွင်းဖော်ပြရန်၊	- မှတ်သား လိုက်နာ ဆောင်ရွက် လျက်ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ဈ)	ကုမ္ပဏီမှ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာ ဆောင်ရွက်မှု သက်သေခံလက်မှတ် Environmental Compliance Certificate (ECC) ၏ အပိုဒ် (B1) အရ အတည်ပြုပြီး EIA အစီရင်ခံစာ၏ ဇယား (၈.၃) တွင် ဖော်ပြထားသော ကတိကဝတ်များအား အကောင် အထည်ဖော် ဆောင်ရွက်သွားရန်၊	- ဖော်ပြထားသော ကတိကဝတ်များအား လိုက်နာ အကောင်အထည်ဖော် ဆောင်ရွက်လျက် ရှိပါသည်။
(ည)	ကုမ္ပဏီမှ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာ ဆောင်ရွက်မှု သက်သေခံလက်မှတ် Environmental Compliance Certificate (ECC) ၏ အပိုဒ် (C3) အရ စီမံကိန်း၏လုပ်ဆောင်မှုများ၊ Sites (သို့) ဆိုးရွားသော ထိခိုက်မှုများ ပြောင်းလဲမှုရှိပါက ပြန်လည်ပြင်ဆင်ထားသည့် EMP အား စိစစ်နိုင်ရန်နှင့် အတည်ပြုနိုင်ရန်အတွက် ECD သို့ တင်ပြသွားရန်၊	- စီမံကိန်း၏ လုပ်ဆောင်မှုများ၊ ဆိုးရွားသော ထိခိုက်မှုများ ပြောင်းလဲမှုရှိပါက တင်ပြသွားမည် ဖြစ်ပါသည်။
(ဋ)	ကုမ္ပဏီအနေဖြင့် စာချုပ်သက်တမ်းပြီးဆုံးပါက MOGE ထံ ပြန်လည် အပ်နှံသည့်အချိန်တွင် EIA Procedure အပိုဒ် (၁၀၂) နှင့် အပိုဒ် (၁၀၆) တို့အား အလေးထား လိုက်နာ ဆောင်ရွက်သွားရန်၊	- လိုက်နာ ဆောင်ရွက်သွားမည် ဖြစ်ပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(၄)	ရေနုံပြန်လည်ဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် (Re-development and Enhanced Oil Recovery – EOR Programme) အတွက် ခွင့်ပြုမိန့်တွင် လိုက်နာရမည့် စည်းကမ်းချက်များအတိုင်း အကောင်အထည်ဖော် ဆောင်ရွက်သွားရန်၊	- ခွင့်ပြုမိန့်ပါ လိုက်နာရမည့် စည်းကမ်းချက်များအတိုင်း အကောင်အထည်ဖော် လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(၅)	EIA Procedure အပိုဒ်(၁၀၆)အရ စီမံကိန်းအဆင့်အားလုံးတွင် ဆိုးကျိုးသက်ရောက်မှုအားလုံးအတွက် စီမံကိန်းနှင့် ဆက်စပ်ဆောင်ရွက်မှုများအား မိမိကိုယ်မိမိ ဘက်စုံ စောင့်ကြပ် ကြည့်ရှုစစ်ဆေးခြင်းကို စဉ်ဆက်မပြတ် လက်တွေ့ဆောင်ရွက်ရမည့်အပြင် သက်ဆိုင်ရာ ဥပဒေများ၊ နည်းဥပဒေများ၊ ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း နှင့် စံချိန်စံညွှန်းများ၊ ပတ်ဝန်းကျင် ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာဆောင်ရွက်မှုသက်သေခံလက်မှတ်ပါ စည်းကမ်းချက်များနှင့် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှု အစီအစဉ်ပါ အချက်များကို အလေးထား လိုက်နာဆောင်ရွက်သွားရန်၊	- အလေးထား လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။
(၆)	EIA Procedure အပိုဒ် (၁၀၇) အရ လုပ်ငန်းစီမံကိန်း၏ ပျက်ကွက်မှုတစ်ခုခုကြောင့် အန္တရာယ်ဖြစ်စေနိုင်သော ပတ်ဝန်းကျင်အပေါ် သက်ရောက်မှုဖြစ်နိုင်သည့်ကိစ္စ (သို့မဟုတ်) သယံဇာတ နှင့် သဘာဝပတ်ဝန်းကျင်	- သိရှိလိုက်နာ ဆောင်ရွက် သွားပါမည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	ထိန်းသိမ်းရေးဝန်ကြီးဌာနက အမြန်သိရှိရန် လိုအပ်သည့် ကိစ္စကို (၂၄) နာရီအတွင်းလည်းကောင်း၊ အခြားကိစ္စများ အားလုံးတွင် ယင်းဖြစ်စဉ် ဖြစ်ရပ်ကို စတင်သိရှိသည့်အချိန်မှ (၇) ရက်အတွင်းတွင်လည်းကောင်း၊ စီမံကိန်းလုပ်ငန်းပိုင်ရှင်မှ ဝန်ကြီးဌာနသို့ အသိပေးတင်ပြသွားရန်၊	
(ဏ)	အတည်ပြုပြီး EIA အစီရင်ခံစာပါအတိုင်း လိုက်နာ ဆောင်ရွက်မှုနှင့် ပတ်သက်၍ ဆောင်ရွက်တိုးတက်မှု အခြေအနေအား (၆) လလျှင် (၁) ကြိမ် တင်ပြမည့် စောင့်ကြပ် ကြည့်ရှုမှုအစီရင်ခံစာများတွင် ပြည့်စုံစွာ ထည့်သွင်း ဖော်ပြသွားရန်၊	- စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံ စာများတွင် ပြည့်စုံစွာ ထည့်သွင်း တင်ပြလျက် ရှိပါသည်။
(တ)	EIA Procedure အပိုဒ် (၁၁၀) အရ စောင့်ကြပ် ကြည့်ရှုမှုအစီရင်ခံစာအား ဝန်ကြီးဌာနသို့ တင်ပြမည့် နေ့ရက်မှ (၁၀) ရက်အတွင်း အများပြည်သူ သိရှိနိုင်ရန် စီမံကိန်း၏ Website သို့မဟုတ် သင့်တော်သော နည်းလမ်းတစ်ရပ်ရပ်အသုံးပြု၍ အသိပေးထုတ်ပြန် ကြေညာရန် နှင့် ထုတ်ဖော်မည့် Website သို့မဟုတ် နေရာတို့ကို ထပ်မံတင်ပြမည့် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ၌ ထည့်သွင်းဖော်ပြရန်၊	- တင်ပြပြီးစီးခဲ့သော စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံစာများကို အများပြည်သူ သိရှိနိုင်ရန် ကုမ္ပဏီ Website ၌ အသိပေးထုတ်ပြန် ထားပြီး ဖြစ်ပါသည်။ ထပ်မံတင်ပြမည့် စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံ စာများ၌လည်း ထုတ်ဖော်မည့် Website သို့မဟုတ် နေရာတို့ကို ထည့်သွင်းဖော်ပြ သွားပါမည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ထ)	(၂၀၂၂ ခုနှစ်၊ အောက်တိုဘာလမှ ၂၀၂၃ ခုနှစ်၊ မတ်လအထိ) တင်ပြလာသော စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာအား စိစစ် အကြောင်းကြားမည့် အချက်များအပြင် ယခင် စောင့်ကြပ် ကြည့်ရှုမှုအစီရင်ခံစာများအပေါ် စိစစ်ပြန်ကြားချက်များအား ဆက်လက်လိုက်နာ ဆောင်ရွက်သွားရန်နှင့် ထပ်မံတင်ပြမည့် စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံစာတွင် ဆောင်ရွက်ထားရှိမှုများအား ထည့်သွင်း ဖော်ပြရန်၊	- စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ များတွင် ပတ်ဝန်းကျင် ထိန်းသိမ်းရေး ဦးစီးဌာန၏ စိစစ်ပြန်ကြားချက်များအား လိုက်နာ ဆောင်ရွက်ထားရှိမှု အခြေအနေများကို ထည့်သွင်းတင်ပြလျက် ရှိပါသည်။
(ဒ)	အတည်ပြုပြီး အစီရင်ခံစာပါ ကတိကဝတ်များနှင့် ECC ပါ လိုက်နာဆောင်ရွက်ရမည့်အချက်များအား အလေးထား လိုက်နာ ဆောင်ရွက်သွားရန်၊	- အတည်ပြုပြီး အစီရင်ခံစာပါ ကတိကဝတ်များနှင့် ECC ပါ လိုက်နာဆောင်ရွက်ရမည့်အချက်များအား အလေးထား လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။
(ဓ)	ကုမ္ပဏီအနေဖြင့် ဒေသခံပြည်သူတို့၏ ဆန္ဒနှင့် သဘောထားများကို အလေးထားလိုက်နာ ဆောင်ရွက်သွားရန်နှင့် စောင့်ကြပ်ကြည့်ရှုမှု လုပ်ငန်းစဉ်များကို ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း၊ အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ နှင့်အညီ ဆက်လက် အကောင်အထည်ဖော် ဆောင်ရွက်သွားရန်၊	- ဒေသခံပြည်သူတို့၏ ဆန္ဒနှင့် သဘောထားများကို အလေးထား လိုက်နာ ဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(နှ)	စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာအား ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်း ဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၉) နှင့်အညီ ရေးဆွဲပြုစု၍ အပိုဒ် (၁၀၈) နှင့်အညီ (ဖ) လလျှင် (၁) ကြိမ် ပုံမှန် အစီရင်ခံတင်ပြရန်၊	- ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဦးစီးဌာန သို့ စောင့်ကြပ် ကြည့်ရှုမှု အစီရင်ခံစာ ကို (ဖ) လလျှင် တစ်ကြိမ် ပုံမှန် အစီရင်ခံ တင်ပြလျက် ရှိပါသည်။

ရက်စွဲ	၃၁-၁၀-၂၀၂၄
စာအမှတ်	၅/ ထိန်းချုပ်/ စကရ (၀၁) (၂၆၉၀/၂၀၂၄)
ဌာန	ညွှန်ကြားရေးမှူးရုံး၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ မကွေးတိုင်းဒေသကြီး၊ မကွေးမြို့
အကြောင်းအရာ	**ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်း (Environmental Impact Assessment - EIA) အတည်ပြုပြီး MPRL E&P Pte. Ltd ၏ ရေနံပြန်လည်ဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် (Re-development and Enhanced Oil Recovery – EOR Programme) အတွက် သတ္တမအကြိမ် တင်ပြလာသော စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ (၂၀၂၃ ခုနှစ်၊ ဧပြီလ မှ ၂၀၂၃ ခုနှစ်၊ စက်တင်ဘာလအထိ) နှင့်ပတ်သက်၍ အကြောင်းကြားခြင်း**
ရည်ညွှန်းချက်	**(၁) သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန၊ ပြည်ထောင်စုဝန်ကြီးရုံး၏ ၇-၂-၂၀၁၉ ရက်စွဲပါ စာအမှတ် (သစ်တော) ၃(၂)/၁၆(ဃ) (၅၃၆/၂၀၁၉)** **(၂) မကွေးတိုင်းဒေသကြီး ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးရုံး၏ ၈-၃-၂၀၂၄ ရက်စွဲပါ စာအမှတ် ၅/ထိန်းချုပ်/စကရ (၀၁) (၅၆၈/၂၀၂၄)** **(၃) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးချုပ်ရုံး၏ ၂-၁၀-၂၀၂၄ ရက်စွဲပါ စာအမှတ်၊ အရည်အသွေး-၂/ဆစရ(၁၇၅၆/၂၀၂၄)**

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(က)	မြေအောက်ရေ အရည်အသွေး စောင့်ကြည့်တိုင်းတာခြင်းနှင့် ပတ်သက်၍ Biological Oxygen Demand (BOD), Total Dissolved Solids (TDS), Total Coliforms, Total Fecal Coliforms, Manganese (Mn),	သောက်သုံးရေအဖြစ် အသုံးပြုပါက စနစ်တကျ သန့်စင်ခြင်း၊ ကျိုချက်ခြင်းများ ပြုလုပ်ရန်

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	Sulphate (SO_4) စသည့် parameter များနှင့် မြေပေါ်ရေအရည်အသွေး စောင့်ကြည့်တိုင်းတာခြင်းနှင့်ပတ်သက်၍ Z4SW1 နှင့် Z4SW2 တည်နေရာများ၏ Total Suspended Solid (TDS), Biological Oxygen Demand (BOD) စသည့် parameter များ၏ တိုင်းတာရလဒ်များသည် နှိုင်းယှဉ်ဖော်ပြထားသည့် စံချိန်စံညွှန်းများထက် ကျော်လွန်နေသောကြောင့် သောက်သုံးရေအဖြစ် အသုံးပြုပါက စနစ်တကျ စီမံဆောင်ရွက်ပြီး အသုံးပြုပါရန်၊	ရပ်ရွာလူထုနှင့် တွေ့ဆုံသည့် အခမ်းအနားများတွင် ထည့်သွင်း အသိပေး ပြောကြားလျက် ရှိပါသည်။
(ခ)	စွန့်ပစ်ရေအရည်အသွေး စောင့်ကြည့်တိုင်းတာမှုနှင့် ပတ်သက်၍ Biological Oxygen Demand (BOD) နှင့် Total Coliform bacteria စသည့် parameter များ၏ တိုင်းတာရလဒ်များသည် နှိုင်းယှဉ်ဖော်ပြထားသည့် စံချိန်စံညွှန်းများထက် ကျော်လွန်နေသောကြောင့် အတည်ပြုပြီး EIA အစီရင်ခံစာပါ လျှော့ချမည့် အစီအစဉ်များ နှင့်အညီ ဆောင်ရွက်ပြီး ပတ်ဝန်းကျင်စည်းမျဉ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်ပါရန်၊	ပတ်ဝန်းကျင်စည်းမျဉ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက် လျက်ရှိပါသည်။
(ဂ)	လုပ်ငန်းဆောင်ရွက်ခြင်းမှ ထွက်ရှိသော စွန့်ပစ်ရေများအား ပြင်ပသို့ တိုက်ရိုက် စွန့်ပစ်ခြင်းမပြုရန်၊ စွန့်ထုတ်မည်ဆိုပါက အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ (National Environmental Quality Emission Guidelines – NEQEGs) ပါ စွန့်ထုတ်အရည်အဆင့် သတ်မှတ်ချက်များနှင့်အညီ သန့်စင်ပြီးမှ	စွန့်ပစ်ရေများအား ပြင်ပသို့ တိုက်ရိုက် စွန့်ပစ်ခြင်း မပြုလုပ်ပါ။ သန့်စင်ပြီးမှ စွန့်ထုတ်လျက်ရှိပြီး စွန့်ပစ်ရေကြောင့် ပတ်ဝန်းကျင်စည်းမျဉ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်လျက်ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	စွန့်ထုတ်ရန်နှင့် စွန့်ပစ်ရေကြောင့် ပတ်ဝန်းကျင်ညစ်ညမ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်ပါရန်၊	
(ဃ)	လုပ်ငန်းတွင် မီးဘေးအန္တရာယ်ကာကွယ်ရေးအတွက် မီးသတ်ဦးစီးဌာန၏ လမ်းညွှန်ချက်များအတိုင်း အထူးအလေးထား လိုက်နာဆောင်ရွက်ရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(င)	လေထု၊ ရေထု၊ မြေထု အရည်အသွေးအပါအဝင် ပတ်ဝန်းကျင်အရည်အသွေး စောင့်ကြည့်တိုင်းတာမှု ရလဒ်များအရ သတ်မှတ်စံချိန်စံညွှန်းများထက် ကျော်လွန်မှု ရှိနေပါက အတည်ပြုပြီး EIA အစီရင်ခံစာပါ Mitigation Measure များ၊ ဆောင်ရွက်မည့် လုပ်ငန်းအစီအစဉ်များနှင့် စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် ဖော်ပြပါရှိသော တိုင်းတာစောင့်ကြည့်မည့် လုပ်ငန်းစဉ်များအတိုင်း ဆက်လက် ဆောင်ရွက်သွားပါရန်နှင့် နောက်တစ်ကြိမ်တင်ပြမည့် စောင့်ကြပ်ကြည့်ရှုမှုအစီအရင်ခံစာများတွင် ဆောင်ရွက်မည့် အစီအစဉ်များကို ထည့်သွင်းဖော်ပြပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(စ)	စီမံကိန်းမှထွက်ရှိလာသည့် စွန့်ပစ်ပစ္စည်းများနှင့် ဘေးအန္တရာယ်ရှိ စွန့်ပစ်ပစ္စည်းများကြောင့် ပတ်ဝန်းကျင်ညစ်ညမ်းမှု မရှိစေရေးအတွက် အတည်ပြုပြီး EIA အစီရင်ခံစာပါ ဆောင်ရွက်မည့် အစီအစဉ်များနှင့်အညီ စနစ်တကျ စီမံဆောင်ရွက်သွားပါရန်နှင့် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာတွင် ဆောင်ရွက်ထားရှိမှု အခြေအနေများအား မှတ်တမ်းဓါတ်ပုံများဖြင့် ထည့်သွင်းဖော်ပြပါရန်၊	စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် ဆောင်ရွက်ထားရှိမှု အခြေအနေများအား မှတ်တမ်းဓါတ်ပုံများဖြင့် ထည့်သွင်းဖော်ပြလျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ဆ)	လူမှုရေးဆိုင်ရာ တာဝန်သိလုပ်ငန်းများ (Corporate Social Responsibility - CSR) အား အကောင်အထည်ဖော် ဆောင်ရွက်ရန်၊ စီမံကိန်းအနီးဝန်းကျင်ရှိ ဒေသခံပြည်သူများ၊ ဆက်စပ်ပတ်သက်သူများနှင့် စဉ်ဆက်မပြတ် တွေ့ဆုံ ဆွေးနွေးပြီး ၎င်းတို့၏ အကြံပြုချက်နှင့် လိုအပ်ချက်များအား အလေးထား ပေါင်းစပ် ဆောင်ရွက်သွားပါရန်နှင့် ဆောင်ရွက် ထားရှိမှုများအား နောက်တစ်ကြိမ်တင်ပြမည့် စောင့်ကြပ် ကြည့်ရှုမှုအစီရင်ခံစာတွင် မှတ်တမ်း ဓါတ်ပုံများ ပြည့်စုံစွာ ထည့်သွင်းဖော်ပြရန်၊	ဆောင်ရွက် ထားရှိမှုများအား စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာများတွင် မှတ်တမ်းဓါတ်ပုံများ ပြည့်စုံစွာ ဖြင့် ပုံမှန် ထည့်သွင်းဖော်ပြလျက် ရှိပါသည်။
(ဇ)	စီမံကိန်းနှင့်ပတ်သက်သည့် ပိုင်ရှင်ပြောင်းလဲခြင်း၊ အစီရင်ခံစာတွင် ဖော်ပြပါရှိသည့် လုပ်ငန်းထုတ်လုပ်မှု ပမာဏထက် ပိုမိုထုတ်လုပ်ခြင်း၊ လုပ်ငန်းလည်ပတ်မှု ဒီဇိုင်းများ ပြောင်းလဲခြင်း၊ လုပ်ငန်းတည်နေရာ ပြောင်းလဲခြင်း၊ လုပ်ငန်းရပ်ဆိုင်းခြင်း (သို့) ပိတ်သိမ်းခြင်း ပြုလုပ်မည်ဆိုပါက အဆိုပါလုပ်ငန်းများ ဆောင်ရွက်ခြင်းမပြုမီ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာနသို့ ကြိုတင်၍ တင်ပြပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဈ)	အဆိုပါလုပ်ငန်းများအတွက် အတည်ပြုထားသော EIA အစီရင်ခံစာနှင့် အတည်ပြုအကြောင်းကြားစာပါ ကတိကဝတ်များနှင့် ECC ပါ လိုက်နာဆောင်ရွက်ရန် စည်းကမ်းချက်များအား သတ်မှတ်ကာလအတွင်း အချိန်မီပြီးစီးအောင် အကောင်အထည်ဖော် ဆောင်ရွက်ပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ည)	အဆိုပါလုပ်ငန်းအတွက် သက်ဆိုင်ရာ ဌာနမှ ထုတ်ပေးထားသည့် ခွင့်ပြုမိန့်တွင် လိုက်နာရမည့် စည်းကမ်းများအတိုင်း အကောင်အထည်ဖော် ဆောင်ရွက်ပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဋ္ဌ)	ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၆) အရ စီမံကိန်း အဆင့်အားလုံးတွင် ဆိုးကျိုးသက်ရောက်မှု အားလုံးအတွက် စီမံကိန်းနှင့် ဆက်စပ်ဆောင်ရွက်မှုများအား မိမိကိုယ်မိမိ ဘက်စုံ စောင့်ကြပ်ကြည့်ရှု စစ်ဆေးခြင်းကို စဉ်ဆက်မပြတ် လက်တွေ့ဆောင်ရွက်ရမည့်အပြင် သက်ဆိုင်ရာ ဥပဒေများ၊ နည်းဥပဒေများ၊ ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် စံချိန်စံညွှန်းများ၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဆိုင်ရာ လိုက်နာဆောင်ရွက်မှု သက်သေခံ လက်မှတ်ပါ စည်းကမ်းချက်များနှင့် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်ပါ အချက်များကို အလေးထား လိုက်နာဆောင်ရွက်ပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဍ)	ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၇) အရ လုပ်ငန်းစီမံကိန်း၏ ပျက်ကွက်မှုတစ်ခုခု ကြောင့် အန္တရာယ်ဖြစ်စေနိုင်သော ပတ်ဝန်းကျင်အပေါ် သက်ရောက်မှု ဖြစ်လာနိုင်သည့်ကိစ္စ (သို့မဟုတ်) သယံဇာတနှင့် သဘာဝ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဝန်ကြီးဌာနက အမြန်သိရှိရန် လိုအပ်သည့်ကိစ္စကို (၂၄) နာရီအတွင်းလည်းကောင်း၊ အခြားကိစ္စများ	သိရှိ လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	အားလုံးတွင် ယင်းဖြစ်စဉ်ဖြစ်ရပ်ကို စတင်သိရှိသည့်အချိန်မှ (၇) ရက်အတွင်း လည်းကောင်း စီမံကိန်းလုပ်ငန်းပိုင်ရှင်မှ ဝန်ကြီးဌာနသို့ အသိပေးတင်ပြသွားပါရန်၊	
(ဍ)	ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၁၀) အရ စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာအား ဝန်ကြီးဌာနသို့ တင်ပြသည့်နေ့ရက်မှ (၁၀) ရက်အတွင်း အများပြည်သူသိရှိနိုင်ရန် စီမံကိန်း၏ Website (သို့) သင့်တော်သော နည်းလမ်း တစ်ရပ်ရပ် အသုံးပြု၍ အသိပေးထုတ်ဖော် ကြေငြာပါရန်၊	ပုံမှန် အသိပေး ထုတ်ပြန် ကြေငြာ လျက်ရှိပါသည်။
(ဎ)	ECC ရရှိပြီးသော လုပ်ငန်းစီမံကိန်းများအနေဖြင့် ECC အား သက်တမ်းတိုးဆောင်ရွက်ရာတွင် လွယ်ကူချောမွေ့စွာ ဆောင်ရွက်နိုင်ရေး အတွက် စောင့်ကြပ်ကြည့်ရှုမှု ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း (၁၀၈) နှင့်အညီ (၆) လလျှင် (၁) ကြိမ် ရေးဆွဲပြုစု၍ သတ်မှတ်ကာလအတွင်း သတ်မှတ်အရေအတွက် ပြည့်မီအောင် ပုံမှန်အစီရင်ခံစာ တင်ပြပါရန်။	လုပ်ထုံးလုပ်နည်းနှင့်အညီ သတ်မှတ်အရေအတွက် ပြည့်မီအောင် ပုံမှန် အစီရင်ခံ တင်ပြလျက်ရှိပါသည်။

ရက်စွဲ	၃၁-၁၀-၂၀၂၄
စာအမှတ်	၅/ ထိန်းချုပ်/ စကရ (၀၁) (၂၆၈၉/၂၀၂၄)
ဌာန	ညွှန်ကြားရေးမှူးရုံး၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ မကွေးတိုင်းဒေသကြီး၊ မကွေးမြို့
အကြောင်းအရာ	**ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်း (Environmental Impact Assessment - EIA) အတည်ပြုပြီး MPRL E&P Pte. Ltd ၏ ရေနံပြန်လည်ဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် (Re-development and Enhanced Oil Recovery – EOR Programme) အတွက် အဋ္ဌမအကြိမ် တင်ပြလာသော စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ (၂၀၂၃ ခုနှစ်၊ အောက်တိုဘာလ မှ ၂၀၂၄ ခုနှစ်၊ မတ်လအထိ) နှင့်ပတ်သက်၍ အကြောင်းကြားခြင်း**
ရည်ညွှန်းချက်	**(၁) သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန၊ ပြည်ထောင်စုဝန်ကြီးရုံး၏ ၇-၂-၂၀၁၉ ရက်စွဲပါ စာအမှတ် (သစ်တော) ၃(၂)/၁၆(ဃ) (၅၃၆/၂၀၁၉)** **(၂) မကွေးတိုင်းဒေသကြီး ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးရုံး၏ ၁၆-၅-၂၀၂၄ ရက်စွဲပါ စာအမှတ် ၅/ထိန်းချုပ်/စကရ (၀၁) (၁၁၂၃/၂၀၂၄)** **(၃) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးချုပ်ရုံး၏ ၃-၁၀-၂၀၂၄ ရက်စွဲပါ စာအမှတ်၊ အရည်အသွေး-၂/ဆစရ(၁၇၉၄/၂၀၂၄)**

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(က)	မြေအောက်ရေ အရည်အသွေး စောင့်ကြည့်တိုင်းတာခြင်းနှင့် ပတ်သက်၍ Biological Oxygen Demand (BOD), Total Dissolved Solids (TDS), Total Coliforms, Total Fecal Coliforms, Manganese (Mn), Sulphate	သောက်သုံးရေအဖြစ် အသုံးပြုပါက စနစ်တကျ သန့်စင်ခြင်း၊ ကျိုချက်ခြင်းများ ပြုလုပ်ရန်

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	(SO_4) စသည့် parameter များနှင့် မြေပေါ်ရေအရည်အသွေး စောင့်ကြည့်တိုင်းတာခြင်းနှင့်ပတ်သက်၍ Z4SW1 နှင့် Z4SW2 တည်နေရာများ၏ Total Suspended Solid (TDS), Biological Oxygen Demand (BOD) စသည့် parameter များ၏ တိုင်းတာရလဒ်များသည် နှိုင်းယှဉ်ဖော်ပြထားသည့် စံချိန်စံညွှန်းများထက် ကျော်လွန်နေသောကြောင့် သောက်သုံးရေအဖြစ် အသုံးပြုပါက စနစ်တကျ စီမံဆောင်ရွက်ပြီး အသုံးပြုပါရန်၊	ရပ်ရွာလူထုနှင့် တွေ့ဆုံသည့် အခမ်းအနားများတွင် ထည့်သွင်း အသိပေး ပြောကြားလျက် ရှိပါသည်။
(ခ)	စွန့်ပစ်ရေအရည်အသွေး စောင့်ကြည့်တိုင်းတာမှုနှင့် ပတ်သက်၍ Lead (Pb) နှင့် Total Coliform bacteria စသည့် parameter များ၏ တိုင်းတာရလဒ်များသည် နှိုင်းယှဉ်ဖော်ပြထားသည့် စံချိန်စံညွှန်းများထက် ကျော်လွန်နေသောကြောင့် အတည်ပြုပြီး EIA အစီရင်ခံစာပါ လျှော့ချမည့် အစီအစဉ်များ နှင့်အညီ ဆောင်ရွက်ပြီး ပတ်ဝန်းကျင်ညစ်ညမ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်ပါရန်၊	ပတ်ဝန်းကျင်ညစ်ညမ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်လျက်ရှိပါသည်။
(ဂ)	လုပ်ငန်းဆောင်ရွက်ခြင်းမှ ထွက်ရှိသော စွန့်ပစ်ရေများအား ပြင်ပသို့ တိုက်ရိုက် စွန့်ပစ်ခြင်းမပြုရန်၊ စွန့်ထုတ်မည်ဆိုပါက အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ (National Environmental Quality Emission Guidelines – NEQEGs) ပါ စွန့်ထုတ်အရည်အဆင့် သတ်မှတ်ချက်များ နှင့်အညီ သန့်စင်ပြီးမှ စွန့်ထုတ်ရန်နှင့် စွန့်ပစ်ရေကြောင့်	စွန့်ပစ်ရေများအား ပြင်ပသို့ တိုက်ရိုက် စွန့်ပစ်ခြင်း မပြုလုပ်ပါ။ သန့်စင်ပြီးမှ စွန့်ထုတ်လျက်ရှိပြီး စွန့်ပစ်ရေကြောင့် ပတ်ဝန်းကျင်ညစ်ညမ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	ပတ်ဝန်းကျင်ညစ်ညမ်းမှုများ မဖြစ်ပေါ်စေရေး စနစ်တကျ စီမံဆောင်ရွက်ပါရန်၊	
(ဃ)	လုပ်ငန်းတွင် မီးဘေးအန္တရာယ်ကာကွယ်ရေးအတွက် မီးသတ်ဦးစီးဌာန၏ လမ်းညွှန်ချက်များအတိုင်း အထူးအလေးထား လိုက်နာဆောင်ရွက်ရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(င)	လေထု၊ ရေထု၊ မြေထု အရည်အသွေးအပါအဝင် ပတ်ဝန်းကျင်အရည်အသွေး စောင့်ကြည့်တိုင်းတာမှု ရလဒ်များအရ သတ်မှတ်စံချိန်စံညွှန်းများထက် ကျော်လွန်မှု ရှိနေပါက အတည်ပြုပြီး EIA အစီရင်ခံစာပါ Mitigation Measure များ၊ ဆောင်ရွက်မည့် လုပ်ငန်းအစီအစဉ်များနှင့် စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် ဖော်ပြပါရှိသော တိုင်းတာစောင့်ကြည့်မည့် လုပ်ငန်းစဉ်များအတိုင်း ဆက်လက် ဆောင်ရွက်သွားပါရန်နှင့် နောက်တစ်ကြိမ်တင်ပြမည့် စောင့်ကြပ်ကြည့်ရှုမှုအစီအရင်ခံစာများတွင် ဆောင်ရွက်မည့် အစီအစဉ်များကို ထည့်သွင်းဖော်ပြပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(စ)	စီမံကိန်းမှထွက်ရှိလာသည့် စွန့်ပစ်ပစ္စည်းများနှင့် ဘေးအန္တရာယ်ရှိ စွန့်ပစ်ပစ္စည်းများကြောင့် ပတ်ဝန်းကျင်ညစ်ညမ်းမှု မရှိစေရေးအတွက် အတည်ပြုပြီး EIA အစီရင်ခံစာပါ ဆောင်ရွက်မည့် အစီအစဉ်များနှင့်အညီ စနစ်တကျ စီမံဆောင်ရွက်သွားပါရန်နှင့် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာတွင် ဆောင်ရွက်ထားရှိမှု အခြေအနေများအား မှတ်တမ်းဓါတ်ပုံများဖြင့် ထည့်သွင်းဖော်ပြပါရန်၊	စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် ဆောင်ရွက်ထားရှိမှု အခြေအနေများအား မှတ်တမ်းဓါတ်ပုံများဖြင့် ထည့်သွင်းဖော်ပြလျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ဆ)	လူမှုရေးဆိုင်ရာ တာဝန်သိလုပ်ငန်းများ (Corporate Social Responsibility - CSR) အား အကောင်အထည်ဖော် ဆောင်ရွက်ရန်၊ စီမံကိန်းအနီးဝန်းကျင်ရှိ ဒေသခံပြည်သူများ၊ ဆက်စပ်ပတ်သက်သူများနှင့် စဉ်ဆက်မပြတ် တွေ့ဆုံ ဆွေးနွေးပြီး ၎င်းတို့၏ အကြံပြုချက်နှင့် လိုအပ်ချက်များအား အလေးထား ပေါင်းစပ်ဆောင်ရွက်သွားပါရန်နှင့် ဆောင်ရွက် ထားရှိမှုများအား နောက်တစ်ကြိမ်တင်ပြမည့် စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် မှတ်တမ်းဓါတ်ပုံများ ပြည့်စုံစွာ ထည့်သွင်းဖော်ပြရန်၊	ဆောင်ရွက် ထားရှိမှုများအား စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာများတွင် မှတ်တမ်းဓါတ်ပုံများ ပြည့်စုံစွာဖြင့် ပုံမှန် ထည့်သွင်းဖော်ပြလျက်ရှိပါသည်။
(ဇ)	စီမံကိန်းနှင့်ပတ်သက်သည့် ပိုင်ရှင်ပြောင်းလဲခြင်း၊ အစီရင်ခံစာတွင် ဖော်ပြပါရှိသည့် လုပ်ငန်းထုတ်လုပ်မှု ပမာဏထက် ပိုမိုထုတ်လုပ်ခြင်း၊ လုပ်ငန်းလည်ပတ်မှု ဒီဇိုင်းများ ပြောင်းလဲခြင်း၊ လုပ်ငန်းတည်နေရာ ပြောင်းလဲခြင်း၊ လုပ်ငန်းရပ်ဆိုင်းခြင်း (သို့) ပိတ်သိမ်းခြင်း ပြုလုပ်မည်ဆိုပါက အဆိုပါလုပ်ငန်းများ ဆောင်ရွက်ခြင်းမပြုမီ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာနသို့ ကြိုတင်၍ တင်ပြပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဈ)	အဆိုပါလုပ်ငန်းများအတွက် အတည်ပြုထားသော EIA အစီရင်ခံစာနှင့် အတည်ပြုအကြောင်းကြားစာပါ ကတိကဝတ်များနှင့် ECC ပါ လိုက်နာဆောင်ရွက်ရန် စည်းကမ်းချက်များအား သတ်မှတ်ကာလအတွင်း အချိန်မီပြီးစီးအောင် အကောင်အထည်ဖော် ဆောင်ရွက်ပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ည)	အဆိုပါလုပ်ငန်းအတွက် သက်ဆိုင်ရာဌာနမှ ထုတ်ပေးထားသည့် ခွင့်ပြုမိန့်တွင် လိုက်နာရမည့် စည်းကမ်းများအတိုင်း အကောင်အထည်ဖော် ဆောင်ရွက်ပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဋ္ဌ)	ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၆) အရ စီမံကိန်း အဆင့်အားလုံးတွင် ဆိုးကျိုးသက်ရောက်မှု အားလုံးအတွက် စီမံကိန်းနှင့် ဆက်စပ်ဆောင်ရွက်မှုများအား မိမိကိုယ်မိမိ ဘက်စုံ စောင့်ကြပ်ကြည့်ရှု စစ်ဆေးခြင်းကို စဉ်ဆက်မပြတ် လက်တွေ့ဆောင်ရွက်ရမည့်အပြင် သက်ဆိုင်ရာ ဥပဒေများ၊ နည်းဥပဒေများ၊ ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် စံချိန်စံညွှန်းများ၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာဆောင်ရွက်မှု သက်သေခံ လက်မှတ်ပါ စည်းကမ်းချက်များနှင့် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်ပါ အချက်များကို အလေးထား လိုက်နာဆောင်ရွက်ပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဍ)	ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၇) အရ လုပ်ငန်းစီမံကိန်း၏ ပျက်ကွက်မှုတစ်ခုခု ကြောင့် အန္တရာယ်ဖြစ်စေနိုင်သော ပတ်ဝန်းကျင်အပေါ် သက်ရောက်မှု ဖြစ်လာနိုင်သည့်ကိစ္စ (သို့မဟုတ်) သယံဇာတနှင့် သဘာဝ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဝန်ကြီးဌာနက အမြန်သိရှိရန် လိုအပ်သည့်ကိစ္စကို (၂၄) နာရီအတွင်းလည်းကောင်း၊ အခြားကိစ္စ	သိရှိ လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	များအားလုံးတွင် ယင်းဖြစ်စဉ်ဖြစ်ရပ်ကို စတင်သိရှိသည့်အချိန်မှ (၇) ရက်အတွင်း လည်းကောင်း စီမံကိန်းလုပ်ငန်းပိုင်ရှင်မှ ဝန်ကြီးဌာနသို့ အသိပေးတင်ပြသွားပါရန်၊	
(ဍ)	ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၁၀) အရ စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာအား ဝန်ကြီးဌာနသို့ တင်ပြသည့်နေ့ရက်မှ (၁၀) ရက်အတွင်း အများပြည်သူသိရှိနိုင်ရန် စီမံကိန်း၏ Website (သို့) သင့်တော်သော နည်းလမ်း တစ်ရပ်ရပ် အသုံးပြု၍ အသိပေးထုတ်ဖော် ကြေငြာပါရန်၊	ပုံမှန် အသိပေး ထုတ်ပြန် ကြေငြာလျက်ရှိပါသည်။
(ဎ)	ECC ရရှိပြီးသော လုပ်ငန်းစီမံကိန်းများအနေဖြင့် ECC အား သက်တမ်းတိုးဆောင်ရွက်ရာတွင် လွယ်ကူချောမွေ့စွာ ဆောင်ရွက်နိုင်ရေးအတွက် စောင့်ကြပ်ကြည့်ရှုမှု ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း (၁၀၈) နှင့်အညီ (၆) လလျှင် (၁) ကြိမ် ရေးဆွဲပြုစု၍ သတ်မှတ်ကာလအတွင်း သတ်မှတ်အရေအတွက် ပြည့်မီအောင် ပုံမှန်အစီရင်ခံစာ တင်ပြပါရန်။	လုပ်ထုံးလုပ်နည်းနှင့်အညီ သတ်မှတ်အရေအတွက် ပြည့်မီအောင် ပုံမှန် အစီရင်ခံ တင်ပြလျက်ရှိပါသည်။

ရက်စွဲ	၁၄-၁-၂၀၂၆
စာအမှတ်	၅/ အရည်အသွေး-၂/ စဆရ (၁၆၄/၂၀၂၆)
ဌာန	ညွှန်ကြားရေးမှူးရုံး၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ မကွေးတိုင်းဒေသကြီး၊ မကွေးမြို့
အကြောင်းအရာ	**ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်း (Environmental Impact Assessment - EIA) အတည်ပြုပြီး MPRL E&P Pte. Ltd ၏ ရေနံပြန်လည်ဖွံ့ဖြိုးတိုးတက်ရေးအစီအစဉ် အတွက် နဝမအကြိမ်မြောက် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာ (၂၀၂၄ ခုနှစ်၊ ဧပြီလ မှ ၂၀၂၄ ခုနှစ်၊ စက်တင်ဘာလအထိ) နှင့်ပတ်သက်၍ အကြောင်းကြားခြင်း**
ရည်ညွှန်းချက်	(၁) သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန၊ ပြည်ထောင်စုဝန်ကြီးရုံး၏ ၇-၂-၂၀၁၉ ရက်စွဲပါ စာအမှတ် (သစ်တော) ၃(၂)/၁၆(ဃ) (၅၃၆/၂၀၁၉) (၂) မကွေးတိုင်းဒေသကြီး ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးရုံး၏ ၂၇-၁၂-၂၀၂၄ ရက်စွဲပါ စာအမှတ် ၅/အရည်အသွေး-၂/စဆရ (၃၁၂၀/၂၀၂၄) (၃) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန၊ ညွှန်ကြားရေးမှူးချုပ်ရုံး၏ ၃၁-၁၂-၂၀၂၅ ရက်စွဲပါ စာအမှတ်၊ အရည်အသွေး-၂/ဆစရ (၆၁၂/၂၀၂၅)

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(က)	လေထု၊ ရေထု၊ မြေထု အရည်အသွေးအပါအဝင် ပတ်ဝန်းကျင်အရည်အသွေး စောင့်ကြည့်တိုင်းတာမှုများအား အတည်ပြုပြီး EIA	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

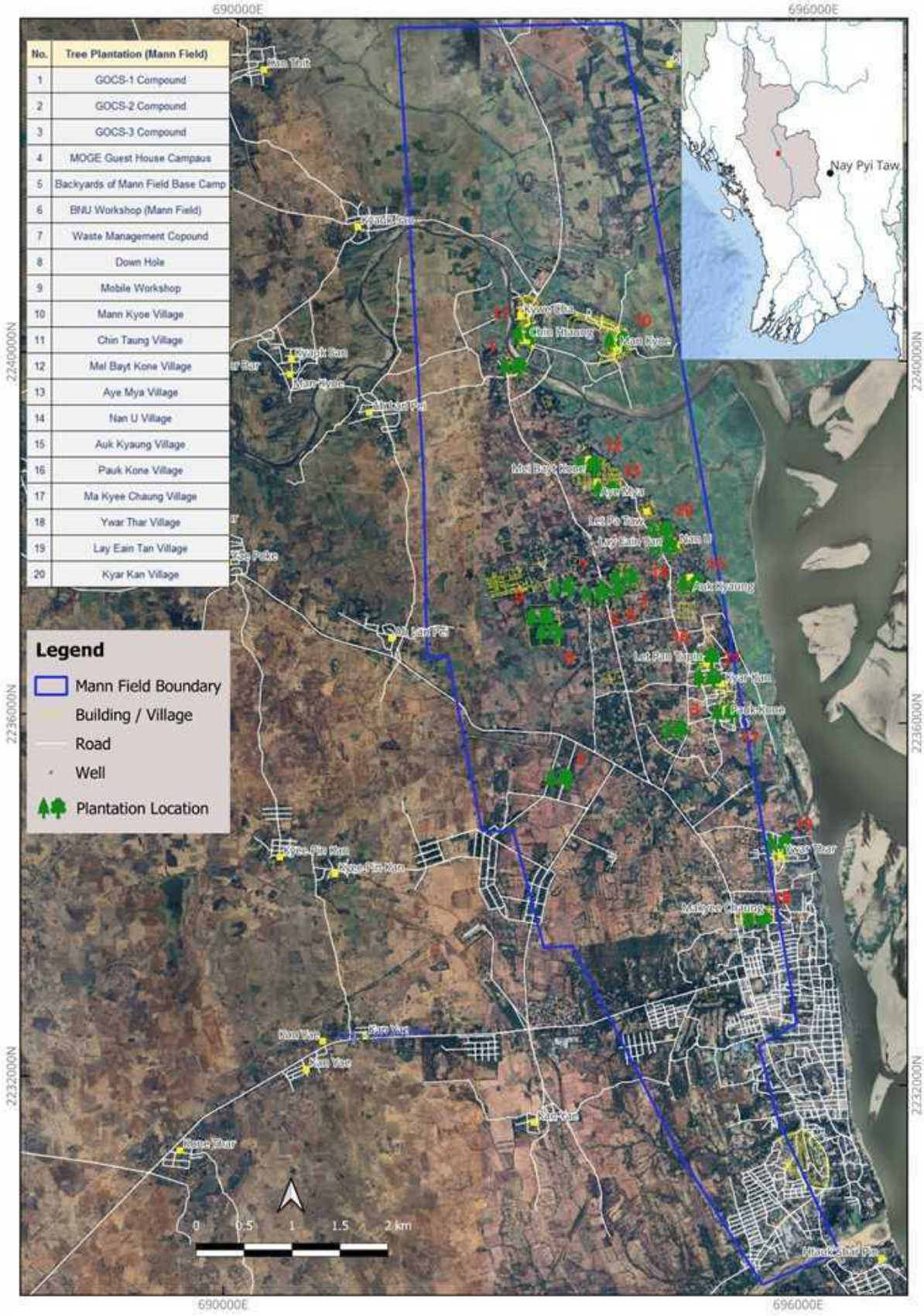
စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	အစီရင်ခံစာပါ သတ်မှတ် Points၊ Parameters၊ အကြိမ်အရေအတွက်များအတိုင်း တိုင်းတာဆောင်ရွက်ပါရန်၊	
(ခ)	မြေပေါ်အရည်အသွေးအား တိုင်းတာစစ်ဆေးပြီး နှိုင်းယှဉ်ဖော်ပြရာတွင် အမျိုးသား မြေပေါ်ရေ အရည်အသွေး စံချိန်စံညွှန်း (National Surface Water Quality Standards - NSWQS) ဖြင့် နှိုင်းယှဉ်ဖော်ပြသွားရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဂ)	လေထု၊ ရေထု၊ မြေထု အရည်အသွေးအပါအဝင် ပတ်ဝန်းကျင်အရည်အသွေး စောင့်ကြည့်တိုင်းတာမှု ရလဒ်များအရ သတ်မှတ်စံချိန်စံညွှန်းများထက် ကျော်လွန်မှု ရှိနေပါက အတည်ပြုပြီး EIA အစီရင်ခံစာပါ Mitigation Measure များ၊ ဆောင်ရွက်မည့် လုပ်ငန်းအစီအစဉ်များနှင့် စောင့်ကြပ်ကြည့်ရှုမှုအစီရင်ခံစာတွင် ဖော်ပြပါရှိသော တိုင်းတာစောင့်ကြည့်မည့် လုပ်ငန်းစဉ်များအတိုင်း ဆက်လက် ဆောင်ရွက်သွားပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဃ)	စွန့်ပစ်ပစ္စည်းစီမံခန့်ခွဲမှု နှင့် စပ်လျဉ်း၍ အတည်ပြုပြီး EIA အစီရင်ခံစာပါ အစီအစဉ်များအတိုင်း လိုက်နာဆောင်ရွက်ခြင်းဖြင့် စီမံကိန်းမှ ထွက်ရှိလာသည့် စွန့်ပစ်ပစ္စည်းများနှင့် ဘေးအန္တရာယ်ရှိ စွန့်ပစ်ပစ္စည်းများအား ပတ်ဝန်းကျင်ညစ်ညမ်းမှု မရှိစေရေး စနစ်တကျ စီမံဆောင်ရွက်သွားပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(ငြ)	စီမံကိန်း အနီးဝန်းကျင်ရှိ ဒေသခံပြည်သူများ၊ ဆက်စပ်ပတ်သက်သူများနှင့် စဉ်ဆက်မပြတ် တွေ့ဆုံဆွေးနွေးပြီး ၎င်းတို့၏ အကြံပြုချက်နှင့် လိုအပ်ချက်များအား ဆက်လက်၍ အလေးထား ပေါင်းစပ် ဆောင်ရွက်သွားပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(စ)	ဂေဟစနစ် ထိန်းသိမ်းမှုအနေဖြင့် ဇီဝမျိုးစုံမျိုးကွဲများအား ထိန်းသိမ်းစောင့်ရှောက်မှု၊ သဘာဝပေါက်ပင်များအား ထိန်းသိမ်းစောင့်ရှောက်မှု၊ အစားထိုးသစ်ပင်များအား စိုက်ပျိုးထားရှိမှု အခြေအနေများအား မှတ်တမ်းဓါတ်ပုံများ၊ Google Map နှင့် Layout Plan တို့ဖြင့် ပြည့်စုံစွာ ထည့်သွင်းဖော်ပြပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဆ)	အဆိုပါလုပ်ငန်းအတွက် တင်ပြလာသော စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာအပေါ် စိစစ်ပြန်ကြားသည့်အချက်များအပြင် ယခင် စိစစ်အကြောင်းပြန်ကြားခဲ့သည့် အချက်များအပေါ် လိုက်နာဆောင်ရွက်သွားပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဇ)	စီမံကိန်းနှင့်ပတ်သက်သည့် အစီရင်ခံစာတွင် ဖော်ပြပါရှိသည့် ထုတ်လုပ်မှုပမာဏထက် ပိုမိုထုတ်လုပ်ခြင်း၊ လုပ်ငန်းလည်ပတ်မှု ဒီဇိုင်းများ ပြောင်းလဲခြင်း၊ လုပ်ငန်းတည်နေရာ ပြောင်းလဲခြင်း၊ လုပ်ငန်းရပ်ဆိုင်းခြင်း (သို့) ပိတ်သိမ်းခြင်း ပြုလုပ်မည်ဆိုပါက အဆိုပါလုပ်ငန်းများ ဆောင်ရွက်ခြင်းမပြုမီ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဦးစီးဌာနသို့ ကြိုတင်၍ တင်ပြပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
(စျ)	ကုမ္ပဏီမှ လုပ်ငန်းစီမံကိန်း ဆောင်ရွက်နေစဉ်ကာလအတွင်း ထပ်မံပြောင်းလဲမှုရှိပါက ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာဆောင်ရွက်မှု သက်သေခံလက်မှတ်၏ အပိုဒ် (C3) အရ ပြန်လည်ပြင်ဆင်ထားသည့် EMP အား စိစစ်နိုင်ရန်နှင့် အတည်ပြုနိုင်ရန် အတွက် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဦးစီးဌာနသို့ တင်ပြသွားပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ည)	အဆိုပါလုပ်ငန်းအတွက် အတည်ပြုထားသော EIA အစီရင်ခံစာနှင့် အတည်ပြုအကြောင်းကြားစာပါ ကတိကဝတ်များနှင့် ECC ပါ လိုက်နာဆောင်ရွက်ရန် စည်းကမ်းချက်များအား ဆက်လက်၍ အလေးထားလိုက်နာ ဆောင်ရွက်သွားပါရန်၊	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(ဋ္ဌ)	ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၆) အရ စီမံကိန်း အဆင့်အားလုံးတွင် ဆိုးကျိုးသက်ရောက်မှုအားလုံးအတွက် စီမံကိန်းနှင့် ဆက်စပ်ဆောင်ရွက်မှုများအား မိမိကိုယ်မိမိ ဘက်စုံ စောင့်ကြပ်ကြည့်ရှု စစ်ဆေးခြင်းကို စဉ်ဆက်မပြတ် လက်တွေ့ဆောင်ရွက်ရမည့်အပြင် သက်ဆိုင်ရာ ဥပဒေများ၊ နည်းဥပဒေများ၊ ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် စံချိန်စံညွှန်းများ၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာဆောင်ရွက်မှု သက်သေခံ လက်မှတ်ပါ စည်းကမ်းချက်များနှင့်	လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။

စဉ်	အကြောင်းကြားစာပါ လိုက်နာဆောင်ရွက်ရမည့် အချက်များ	လိုက်နာဆောင်ရွက်ထားရှိမှုအခြေအနေ
	ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်ပါ အချက်များကို အလေးထား လိုက်နာဆောင်ရွက်ပါရန်၊	
(၄)	ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း အပိုဒ် (၁၀၇) အရ လုပ်ငန်းစီမံကိန်း၏ ပျက်ကွက်မှုတစ်ခုခု ကြောင့် အန္တရာယ်ဖြစ်စေနိုင်သော ပတ်ဝန်းကျင်အပေါ် သက်ရောက်မှုဖြစ်လာနိုင်သည့်ကိစ္စ (သို့မဟုတ်) သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဝန်ကြီးဌာနက အမြန်သိရှိရန် လိုအပ်သည့်ကိစ္စကို (၂၄) နာရီအတွင်းလည်းကောင်း၊ အခြားကိစ္စများအားလုံးတွင် ယင်းဖြစ်စဉ်ဖြစ်ရပ်ကို စတင်သိရှိသည့်အချိန်မှ (၇) ရက်အတွင်း လည်းကောင်း စီမံကိန်းလုပ်ငန်းပိုင်ရှင်မှ ဝန်ကြီးဌာနသို့ အသိပေးတင်ပြသွားပါရန်၊	သိရှိ လိုက်နာဆောင်ရွက်လျက် ရှိပါသည်။
(၅)	ECC ရရှိပြီးသော လုပ်ငန်းစီမံကိန်းများအနေဖြင့် ECC အား သက်တမ်းတိုးဆောင်ရွက်ရာတွင် လွယ်ကူချောမွေ့စွာ ဆောင်ရွက်နိုင်ရေးအတွက် စောင့်ကြပ်ကြည့်ရှုမှု ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း (၁၀၈) နှင့်အညီ (၆) လလျှင် (၁) ကြိမ် ရေးဆွဲပြုစု၍ သတ်မှတ်ကာလအတွင်း သတ်မှတ်အရေအတွက် ပြည့်မီအောင် ပုံမှန်အစီရင်ခံစာ တင်ပြပါရန်။	လုပ်ထုံးလုပ်နည်းနှင့်အညီ သတ်မှတ်အရေအတွက် ပြည့်မီအောင် ပုံမှန် အစီရင်ခံ တင်ပြလျက်ရှိပါသည်။

Figure 19: Field Inspection of the Regional ECD (Magway) Team



No.	Tree Plantation (Mann Field)
1	GOCS-1 Compound
2	GOCS-2 Compound
3	GOCS-3 Compound
4	MOGE Guest House Campaus
5	Backyards of Mann Field Base Camp
6	BNU Workshop (Mann Field)
7	Waste Management Copound
8	Down Hole
9	Mobile Workshop
10	Mann Kyoe Village
11	Chin Taung Village
12	Mel Bayt Kone Village
13	Aye Mya Village
14	Nan U Village
15	Auk Kyaung Village
16	Pauk Kone Village
17	Ma Kyee Chaung Village
18	Ywar Thar Village
19	Lay Eain Tan Village
20	Kyar Kan Village

Figure 20: Tree Plantation Sites Map of Mann Field Area

Figure 21: Plantation Layout at GOCS-3 Compound, and Kywe Cha, Chin Taung, and Mann Kyoe Villages

Figure 22: Mango Tree Plantation Sites at BNU Workshop Compound, GOCS-3 Compound, near MOGE Guest House, and backyard of MPRL E&P Base Camp

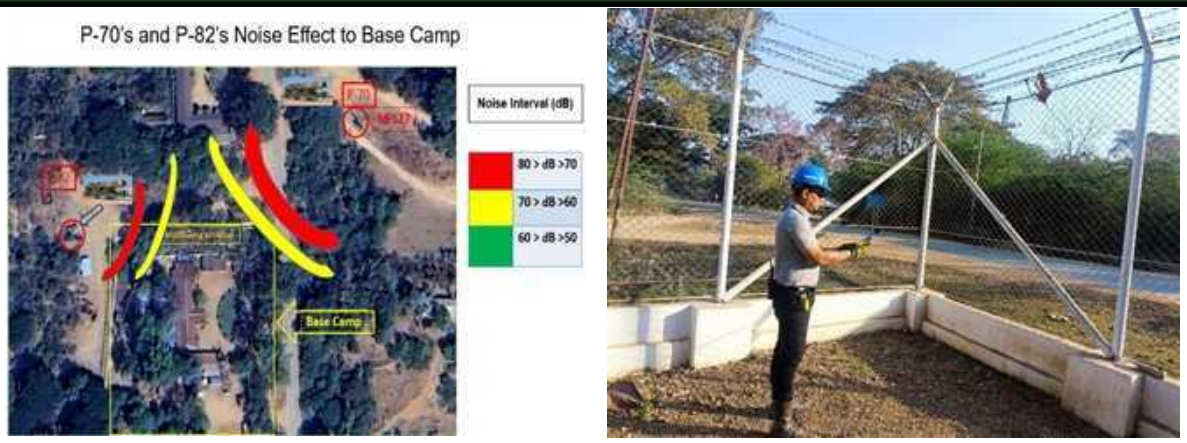


Figure 23: Noise Metering near MPRL E&P's Mann Field Base Camp

Figure 24: Unavailable for Water Sample Collection at Z3GW2 and Interviewing with the Landlord

Figure 25: Unavailable for Water Sample Collection at Ko Win Maung's Tube-well

Figure 26: HSE Notice Board at Waste Management Compound

Figure 27: Waste Bins at MPRL E&P's Base Camp

8. Monitoring Survey & Activities

Throughout the monitoring period spanning from October 2025 to March 2026, each article provides an extensive account of the monitoring surveys and activities carried out. The following is a summary of the monitoring activities conducted:

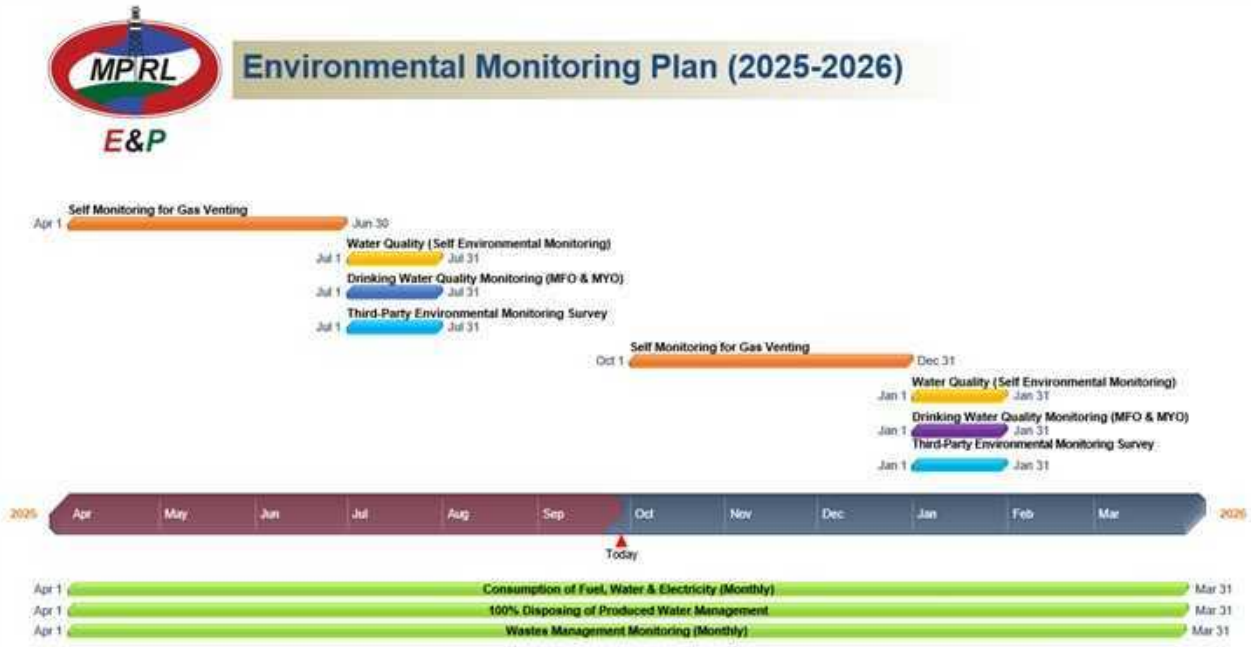


Figure 28: Timeline of Environmental Monitoring Plan (2025-26)

With the regional ECD (Magway) team, we conducted air and noise quality monitoring at Z3AQN and Z4AQN, soil quality monitoring at Z3S1, Z3S2, Z4S1, and Z4S2.

Monitoring activities are conducted as much as possible during these situations, and MPRL E&P remains highly committed to monitoring as an obligation and commitment from the ECC and EIA if the situations permit.

8.1 Ambient Air Quality Monitoring

Ambient air pollutants were sampled and analyzed in accordance with NEQEG guidelines, using the Haz-Scanner EPAS Wireless Environmental Perimeter Air Station. This portable meter records real-time data, including ambient air quality measurements and climatological data. Table 10 and table 11 provide the locations and parameters for air and noise quality monitoring.

Table 10: Ambient Air Quality Monitoring Stations

Monitoring Stations	GPS Coordinate	Sampling Date (Baseline)	Sampling Date (Monitoring)
Z1AQN	20° 19' 39.0" N 94° 49' 18.4" E	8 - 9 May 2015	-
Z2AQN	20° 15' 40.6" N 94° 50' 08.0" E	7 - 8 May 2015	-
Z3AQN	20° 13' 21.5" N 94° 51' 19.6" E	6 - 7 May 2015	20 - 21 January 2026
Z4AQN	20° 11' 41.9" N 94° 52' 32.4" E	6 - 7 May 2015	21 - 22 January 2026

Table 11: Air Quality Monitoring Parameters

Parameters	Unit	Method and Duration
Air Quality		In situ reading for 24 hours
Sulphur Dioxide (SO_2)	$\mu g/m^3$	
Carbon Monoxide (CO)	mg/m^3	
Nitric Oxide (NO)	$\mu g/m^3$	
Nitrogen dioxides (NO_2)	$\mu g/m^3$	
Particulate Matter <2.5 µm ($PM_{2.5}$)	$\mu g/m^3$	
Particulate Matter <10 µm (PM_{10})	$\mu g/m^3$	
Meteorological Data		
Relative Humidity (R.H)	%	
Temperature	°C	
Wind Speed	kph	
Wind Direction	-	

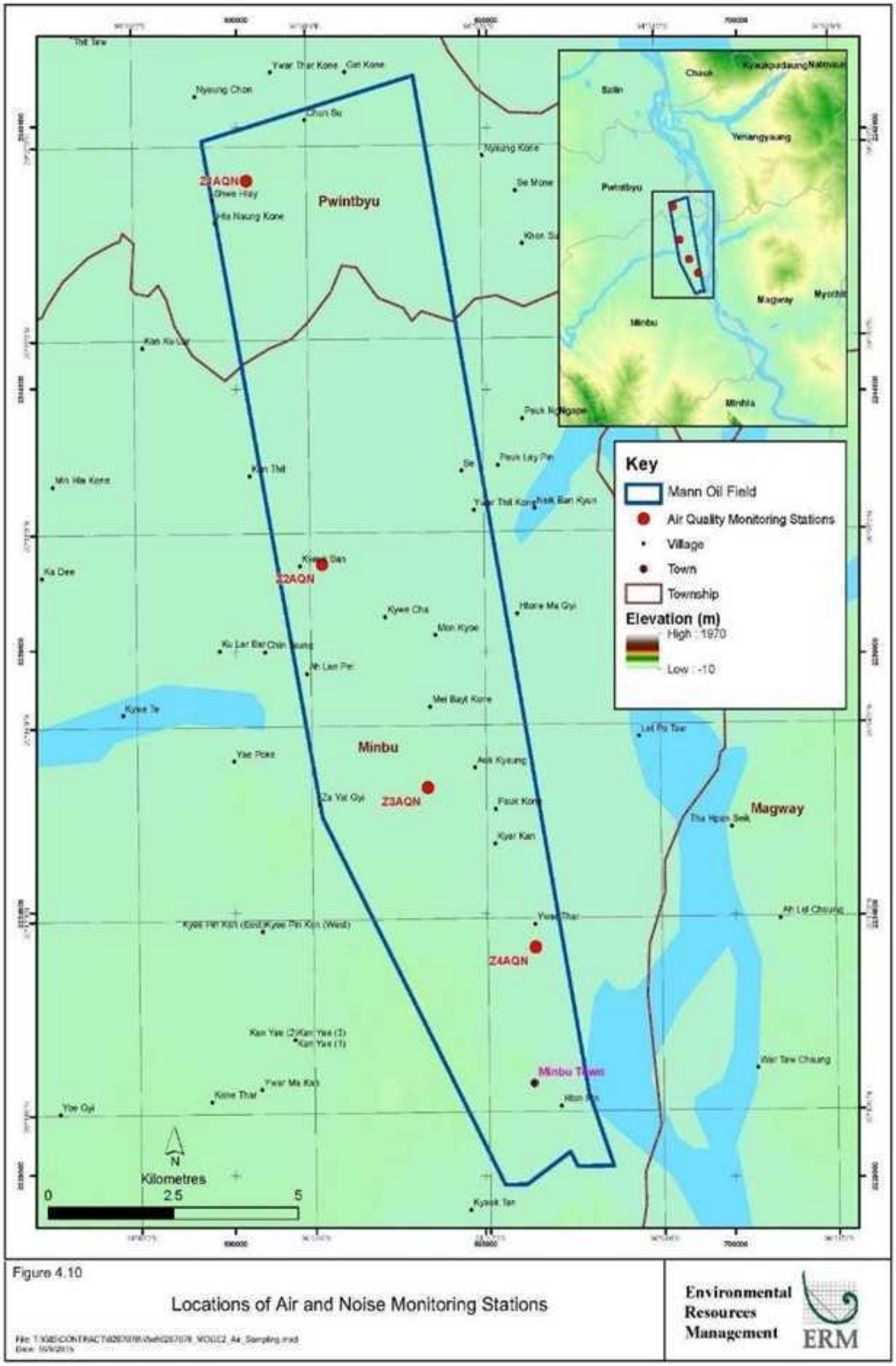


Figure 29: Locations of Air and Noise Monitoring Stations

Figure 30: Air and Noise Quality Monitoring at Z3AQN

Figure 31: Air & Noise Quality Monitoring at Z4AQN

Table 12: Summary of Air Quality Monitoring Results

Parameters	Monitoring Stations (Baseline May 2015)				Monitoring Stations (January 2026)			
	Z1AQN	Z2AQN	Z3AQN	Z4AQN	Z1AQN	Z2AQN	Z3AQN	Z4AQN
CO (24 - hr)	160.38 µg/m^3	126.02 µg/m^3	57.28 µg/m^3	148.93 µg/m^3	-	-	4.706 mg/m^3	3.929 mg/m^3
NO_2 (1 - hr)	188.18 µg/m^3	188.18 µg/m^3	56.45 µg/m^3	169.36 µg/m^3	-	-	3.83 µg/m^3	3.83 µg/m^3
NO	380.49 µg/m^3	85.92 µg/m^3	<12.27 µg/m^3	171.84 µg/m^3	-	-	47.36 µg/m^3	58.455 µg/m^3
PM $_{2.5}$ (24 - hr)	40 µg/m^3	30 µg/m^3	20 µg/m^3	30 µg/m^3	-	-	-	-
PM_{10} (24 - hr)	50 µg/m^3	40 µg/m^3	40 µg/m^3	40 µg/m^3	-	-	59.564 µg/m^3	58.2629 µg/m^3
SO_2 (10 min)	52.36 µg/m^3	78.54 µg/m^3	<26.18 µg/m^3	26.18 µg/m^3	-	-	0.0 µg/m^3	2.211 µg/m^3
Hydrogen Sulfide (H_2S)	-	-	-	-	-	-	0.0 mg/Nm^3	0 mg/Nm^3
Ozone (O_3)	-	-	-	-	-	-	-	-
Temp (°C)	30.7	29	31.5	27.1	-	-	-	-
Relative Humidity (%)	61	61	56	55	-	-	53.9653	62.8754
Wind Speed (m/s)	0	0.015	0.081	0.85	-	-	-	-
Wind Direction	-	Southwest	Southeast	Southeast	-	-	-	-

Assessment Criteria: National Environmental Emission Guideline Value					
	O_3	NO_2	PM $_{2.5}$	PM_{10}	SO_2
24 - hr	-	-	25 µg/m^3	50 µg/m^3	20 µg/m^3
8 - hr	100 µg/m^3	-	-		-
1 - hr	-	200 µg/m^3	-		-
10 - min	-	-	-		500 µg/m^3

Due to security concerns, administrative and operational constraints, Mann Field operations are currently limited to daytime shifts with a limited crew. To optimize the monitoring station's accessibility and ensure reliable power supply and security, we selected Z3AQN and Z4AQN as the location for 24-hour Air and Noise Quality monitoring in collaboration with ECD (Magway) staff.

By Table 12, Summary of Air Quality Monitoring results at both the Z3AQN and Z4AQN during January 2026 indicate that all the parameters are within NEQEG standards. The monitoring results are attached and shown in Appendix A.

8.2 Noise Quality Monitoring

Table 13 presents the noise monitoring locations and land use. According to the Noise Quality Monitoring conducted by the regional ECD (Magway) at Z3AQN and Z4AQN, the LAeq value (dBA)a for both daytime and nighttime periods was found to be below the NEQEG limit. The comparison between the January 2026 Noise Quality Monitoring results and the 2015 baseline results is shown in Table 14 and Table 15.

Table 13: Noise Monitoring Stations

Monitoring Stations	GPS Coordinate	Description	Land-use
Z1AQN	20° 19' 39.0" N 94° 49' 18.4" E	Located at south western part of Pauk Su village, Pwint Phyu Township	Residential
Z2AQN	20° 15' 40.6" N 94° 50' 08.0" E	Located at south eastern part of Kyauk San village, near monestary compound	Residential
Z3AQN	20° 13' 21.5" N 94° 51' 19.6" E	In the MPRL E&P office compound, south of staff housing, Minnbu Township	Commercial
Z4AQN	20° 11' 41.9" N 94° 52' 32.4" E	Located at eastern part of Minnbu Township, close to the west bank of Ayeyarwady River	Bare ground

Table 14: Noise Quality Monitoring Results at Z3AQN

Receptor	One-hour LAeq (dBA)[a]			
	May 2015		January 2026	
	Daytime 07:00 - 22:00 (10:00 - 22:00 for public holidays)	Nighttime 22:00 - 07:00 (22:00 - 10:00 for public holidays)	Daytime 07:00 - 22:00 (10:00 - 22:00 for public holidays)	Nighttime 22:00 - 07:00 (22:00 - 10:00 for public holidays)
Residential, Institutional, educational	55	45	55	45
Industrial, commercial	70	70	70	70
Average Test Result	**55**	**50**	**39.0**	**45.0**

Table 15: Noise Quality Monitoring Results at Z4AQN

Receptor	One-hour LAeq (dBA)[a]			
	May 2015		January 2026	
	Daytime 07:00 - 22:00 (10:00 - 22:00 for public holidays)	Nighttime 22:00 - 07:00 (22:00 - 10:00 for public holidays)	Daytime 07:00 - 22:00 (10:00 - 22:00 for public holidays)	Nighttime 22:00 - 07:00 (22:00 - 10:00 for public holidays)
Residential, Institutional, educational	55	45	55	45
Industrial, commercial	70	70	70	70
Average Test Result	**49**	**56**	**47.0**	**43.0**

8.3 Soil Quality Monitoring

The baseline soil sampling locations are listed in Table 16. The soil quality monitoring results provided by the regional ECD (Magway) indicated that all tested parameters are within the Dutch Standard 2000. The results are provided as shown in Table 17.

Table 16: Baseline soil sampling locations

Sampling Station	Replicate	Coordinates	Description	Baseline Sampling Date	Sampling Date
Z1S	1	20° 19' 45.30" N 94° 49' 13.99" E	at west of Pauk Su village, Pwint Phyu Township	6 - 9 May 2015	
	2	20° 19' 45.38" N 94° 49' 21.05" E	at Pauk Su village, Pwint Phyu Township	6 - 9 May 2015	
Z2S	1	20° 15' 41.70" N 94° 50' 8.41" E	in the paddy field located at the east of Kyauk San village, Minbu Township	6 - 9 May 2015	
	2	20° 15' 40.05" N 94° 50' 10.40" E	at east of Kyauk San village, Minbu Township	6 - 9 May 2015	
Z3S	1	20° 13' 22.04" N 94° 51' 19.59" E	in the compound of MPRL E&P office, Minbu Township	6 - 9 May 2015	20-Jan-26
	2	20° 13' 2.60" N 94° 51' 14.86" E	in the compound of MPRL E&P office, Minbu Township	6 - 9 May 2015	20-Jan-26
Z4S	1	20° 11' 41.31" N 94° 52' 39.20" E	near western bank of Ayeyarwady River, north of Minbu Town	6 - 9 May 2015	20-Jan-26
	2	20° 11' 45.77" N 94° 52' 38.30" E	near western bank of Ayeyarwady River, north of Minbu Town	6 - 9 May 2015	20-Jan-26

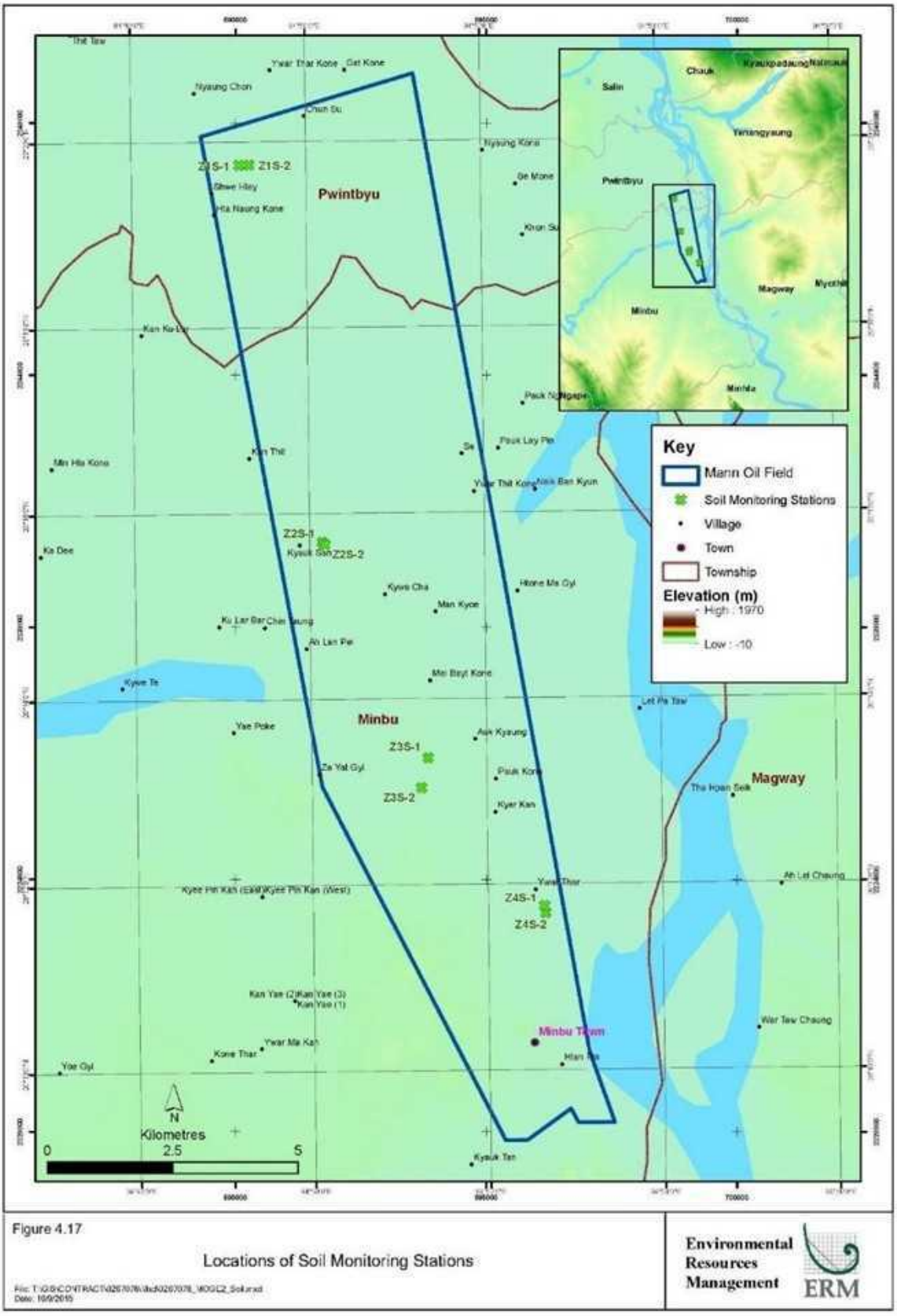


Figure 32: Location of Soil Monitoring

Figure 33: Soil Quality Monitoring at Z3S1, Z3S2, Z4S1, Z4S2

Table 17: Soil Quality Monitoring Results

Parameter	Unit	Baseline Data Sampling Station (May 2015)								Soil Analysis Result (January 2026)								Dutch Standard 2000
		Z1S1	Z1S2	Z2S1	Z2S2	Z3S1	Z3S2	Z4S1	Z4S2	Z1S1	Z1S2	Z2S1	Z2S2	Z3S1	Z3S2	Z4S1	Z4S2	
pH	-	6.8	6.8	6.7	6.7	6.8	6.8	6.9	6.9	-	-	-	-	7.55	7.39	7.4	7.8	-
Arsenic	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	0.005	0.003	0.003	0.004	55
Lead	mg/kg	115	120	135	130	120	124	137	135	-	-	-	-	1.119	0.884	1.329	1.217	530
Cadmium	mg/kg	0.009	0.008	0.009	0.007	0.007	0.007	0.006	0.007	-	-	-	-	0.334	0.299	0.32	0.318	12
Copper	mg/kg	105	99	110	115	90	95	85	88	-	-	-	-	0.664	0.65	2.457	2.585	800
Zinc	mg/kg	75	80	72	69	65	70	75	78	-	-	-	-	7.725	6.828	5.907	5.809	720
Manganese	mg/kg	30	32	38	35	28	25	31	30	-	-	-	-	15.61	14.63	21.63	21.18	500
Iron	mg/kg	4850	4790	4900	4930	4870	4950	4700	4690	-	-	-	-	41.08	40.84	42.24	42.31	-
Soil Texture	-	Silty clay	Silty clay	Silty Sand	Silty Sand	Silty Sand	Silty Sand	Sandy silt with minor clay	Sandy silt with minor clay	-	-	-	-	-	-	-	-	-
Soil Color	-	Grey	Grey	Yellowish Brown	Yellowish Brown	Yellowish Brown	Yellowish Brown	Yellowish Grey	Yellowish Grey	-	-	-	-	-	-	-	-	-

8.4 Surface Water Quality Monitoring

The surface water quality monitoring within the Project Area was carried out at two locations in January 2026. Details of the sampling locations were presented in Table 18.

Table 18: Surface Water Quality Monitoring Locations

Sampling Locations	Coordinate	Description	Sampling Date (Monitoring)
Z3SW1	20° 14' 46.51" N 94° 51' 0.27" E	Mann Chaung, near Kywegya village	21 January 2026
Z3SW2	20° 14' 45.74" N 94° 51' 1.87" E	Mann Chaung, about 50 m downstream of Z3SW1	21 January 2026
Z4SW1	20° 11' 41.31" N 94° 52' 41.11" E	Near west bank of Ayeyarwady river, Minbu Township	21 January 2026
Z4SW2	20° 11' 38.80" N 94° 52' 42.50" E	Ayeyarwady river, about 90 m downstream of Z4SW1	21 January 2026

By the collected water samples measuring results, all are under NEQEG (2015) standards and NSWQS except for the total suspended solids parameter. The possible reasons of exceeding guideline values may be from agriculture, mining and quarrying, deforestation, industrial discharges, etc.

The monitoring results of surface water in January 2026 as shown in Table 19.

Figure 34: Locations of Surface Water Quality Monitoring

Figure 35: Surface Water Quality Monitoring at Z3SW1, Z3SW2, Z4SW1, and Z4SW2

Table 19: Surface Water Quality Monitoring Results

Item/ Sample Name	May 2015				January 2026				NEQEG Standard	NSWQS:2024 Table 3 Class V
	Z3SW1	Z3SW2	Z4SW1	Z4SW2	Z3SW1	Z3SW2	Z4SW1	Z4SW2		
Date/ Time	6/5/15 (12:08)	6/5/15 (12:08)	6/5/15 (12:08)	6/5/15 (12:08)	21/1/26 (09:55)	21/1/26 (09:45)	21/1/26 (14:45)	21/1/26 (14:30)		
Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	-	
Transparency	High	High	Medium	Medium	-	-	-	-	-	
Temperature (C)	37.66	37.62	31.55	31.18	26.6	26.0	26.3	27.0	-	
pH	8.1	8.11	7.73	7.65	8.0	7.8	8.1	8.1	6-9	-
DO (mg/l)	11.33	11.52	7.12	7.15	7.84	7.82	7.78	7.98	-	>2
EC (µs)	711.8	705.7	153	152.5	378	384	208	206	-	
Turbidity (FNU)	7.1	7	25	43.7	88	68	340	210	-	
Colour	5	10	45	55	60	50	180	120	-	
Alkalinity	238	237	58	58	176	160	92	94	-	
Hardness	144	150	58	50	124	132	88	84	-	
BOD5 (mg/l)	10	10	14	16	4.3	4.7	4.8	4.5	30	30
COD (mg/l)	32	32	32	32	64	64	96	64	125	100
Total Nitrogen(mg/l)	3	9	19	18	<5	<5	<5	<5	10	
Total Phosphorous (mg/l)	0.047	0.051	0.071	0.031	3.4	3.1	1.96	3.1	2.0	
Oil & grease (mg/l)	5	7	<1	<1	5	5	6	6	10	No noticeably seen
TSS (mg/l)	7	13	124	138	92	73	380	260	50	150
E.Coli (CFU/100ml)	-	-	-	-	0	0	0	0		-
Arsenic (mg/l)	-	-	-	-	Nil	Nil	Nil	Nil		
Barium (mg/l)	-	-	-	-	-	-	-	-		
Boron (mg/l)	-	-	-	-	0.21	0.16	0.12	0.16		
Total Chromium (mg/l)	-	-	-	-	-	-	-	-		
Fluoride (mg/l)	-	-	-	-	0.5	0.6	0.7	0.8		
Selenium (mg/l)	-	-	-	-	-	-	-	-		
Uranium (mg/l)	-	-	-	-	-	-	-	-		
Ammonia-Nitrogen (mg/l)					0.21	0.24	0.23	0.24		0.9
Copper (mg/l)					0.4	0.41	0.46	0.48		-

8.5 Groundwater Quality Monitoring

The groundwater quality monitoring was conducted at three existing residential wells (dug wells and drilled/ tube wells) in the project area. The sampling locations are presented in Table 20.

Table 20: Groundwater Quality Monitoring Locations

Sampling Locations	Coordinate	Description	Sampling Date (Monitoring)
Z3GW1	20° 15' 5.35" N 94° 50' 54.52" E	Tube well in Kywegya village, Minbu Township	21 January 2026
Z3GW2	20° 15' 6.44" N 94° 50' 53.77" E	Tube well in Kywegya village, Minbu Township	-
Z4GW1	20° 11' 37.92" N 94° 52' 29.67" E	Well in Shwe War Gone Ward, Minbu Township	-
Z4GW2	20° 11' 29.50" N 94° 52' 27.85" E	Well in Shwe War Gone Ward, Minbu Township	21 January 2026

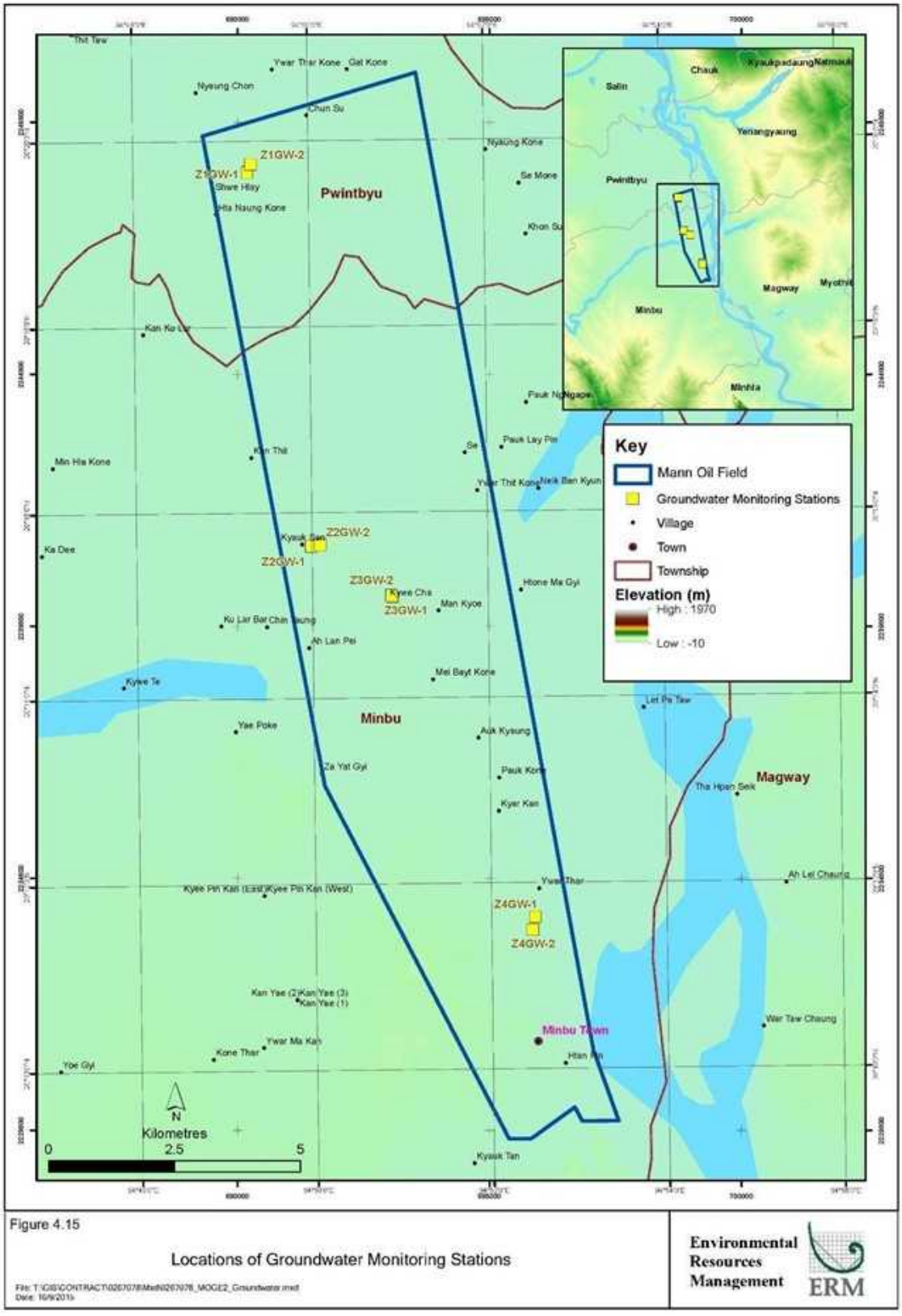


Figure 4.15

Locations of Groundwater Monitoring Stations

Environmental Resources Management ERM

Figure 36: Groundwater Quality Monitoring Locations

Figure 37: Groundwater Sampling at Z3GW1 and Z4GW2

The results of groundwater quality monitoring are summarized in Table 21.

In areas with little rainfall, groundwater levels often drop, causing the well to pull from deeper or more stagnant layers of the aquifer. These layers may contain natural organic deposits, such as ancient peat or buried vegetation. Without regular rain to "recharge" and flush the system, these natural organic carbons become more concentrated in the remaining water, leading to a higher BOD5 reading despite no man-made pollution.

Table 21: Result Summary of Groundwater Quality Monitoring

Item/ Sample Name	May 2015				January 2026				WHO Drinking Water Quality Standard (2011)
	Z3GW1	Z3GW2	Z4GW1	Z4GW2	Z3GW1	Z3GW2	Z4GW1	Z4GW2	
Date/ Time	6/5/15 (11:04)	6/5/15 (11:30)	6/5/15 (14:32)	6/5/15 (14:58)	21/1/26 (09:25)	-	-	21/1/26 (15:10)	-
Weather	Sunny	Sunny	Sunny	Sunny	Sunny	-	-	Sunny	-
Transparency	High	High	High	High	-	-	-	-	
Temperature Water (C)	36.12	37.57	31.77	31.67	27.6	-	-	27.0	
pH	6.68	6.63	6.95	7.2	7.8	-	-	7.8	6.5-8.5
DO (mg/l)	2.9	2.29	1.44	3.41	4.65	-	-	6.09	
EC (µs)	1498.3	1198.7	5060.4	7740.8	1552	-	-	15192	
Turbidity (FNU)	4.9	4.6	0.5	1	28	-	-	32	
Colour	5	10	Nil	Nil	15	-	-	20	
Alkalinity	354	279	462	624	212	-	-	1144	
Hardness	246	222	539	639	84	-	-	1500	
BOD_5 (mg/l)	10	14	8	10	3.2	-	-	3.5	3
COD (mg/l)	32	32	32	32	64	-	-	64	250
Total Nitrogen (mg/l)	4	73	4	63	<5	-	-	<5	
Total Phosphorous (mg/l)	0.239	0.168	0.251	0.042	0.32	-	-	0.24	
Oil and grease (mg/l)	<1	<1	<1	<1	4	-	-	4	10
TSS (mg/l)	<5	<5	5	<5	30	-	-	40	
E.Coli (CFU/100 ml)	-	-	-	-	0	-	-	0	0
Arsenic (mg/l)	-	-	-	-	Nil	-	-	Nil	0.05
Barium (mg/l)	-	-	-	-	-	-	-	-	0.7
Boron (mg/l)	-	-	-	-	0.05	-	-	0.05	2.4
Total Chromium (mg/l)	-	-	-	-	-	-	-	-	0.05
Fluoride (mg/l)	-	-	-	-	0.4	-	-	0.7	1.5
Selenium (mg/l)	-	-	-	-	-	-	-	-	0.04
Uranium (mg/l)									0.03

8.6 Monitoring on Sludge Management Status

The Mann Field produces around 1,800 BBL of produced water per day, which typically contains a mixture of inorganic compounds (such as dissolved salts, trace metals, suspended particles) and organic compounds (such as dispersed and dissolved hydrocarbons and organic acids). As a result of these compounds, produced water generates sludge. Improper discharge of this sludge can have potential impacts on the receiving environment, including soil, surface water, and groundwater, as well as community health, terrestrial, and aquatic ecological resources.

Dried sludge, weighing approximately 167 tons (estimated weight), is currently being stored temporarily at the Waste Management Compound and at the Sludge Management Compound (extended dried sludge storage shed).

Figure 38: Sludge Management Compound (SMC)

Currently, all the collected wet sludge is being stored properly in three concrete pits to ensure compliance with the NEQEG guideline levels for Onshore Oil and Gas Development. Any hazardous waste will be disposed of according to the commitments made in the ECC.

8.7 Monitoring on Produced Water Management Status

MPRL E&P to minimize environmental impact to Zero Discharge in produced water management. The team recording milestones on achievements of Zero Discharge on produced water management was implemented on 24 August 2017.

MPRL E&P is undertaking to inject all produced water (100%) into the shut-in wells by using 9 units of injection pumps to meet guideline levels in NEQEG for Onshore Oil and Gas Development.

Figure 39: Produced Water Injection into Shut-in Wells

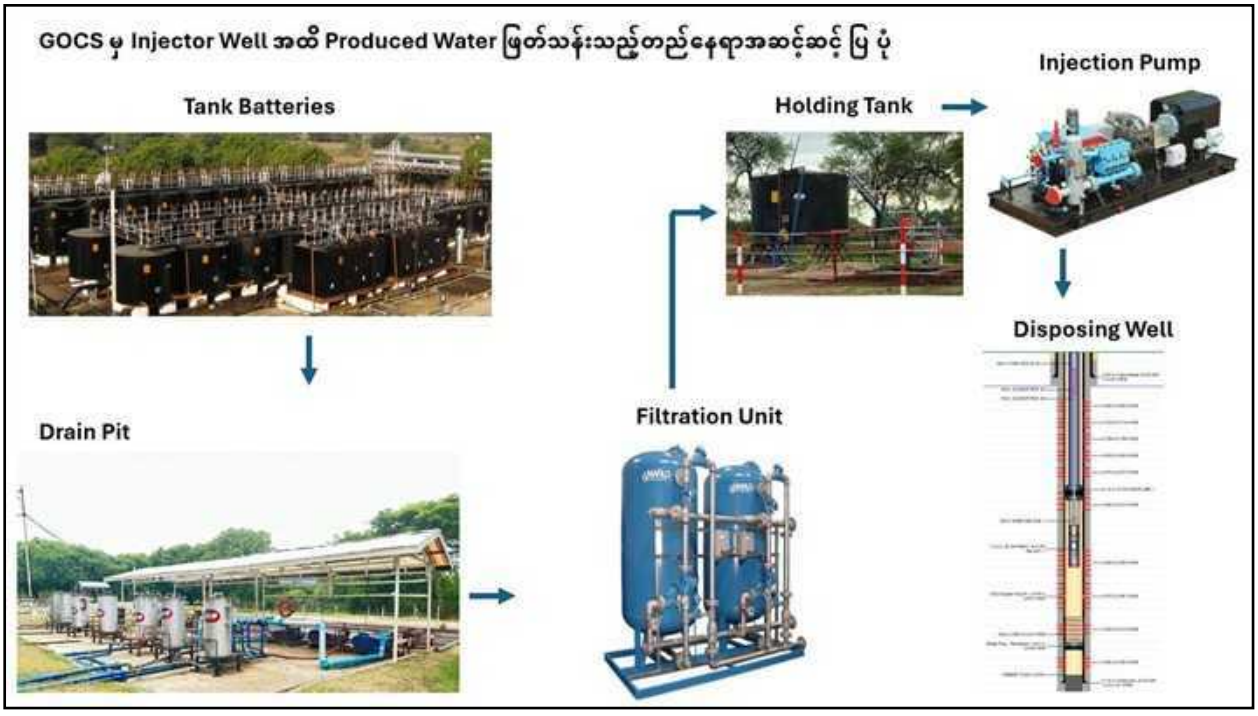


Figure 40: Produced Water Injection Process

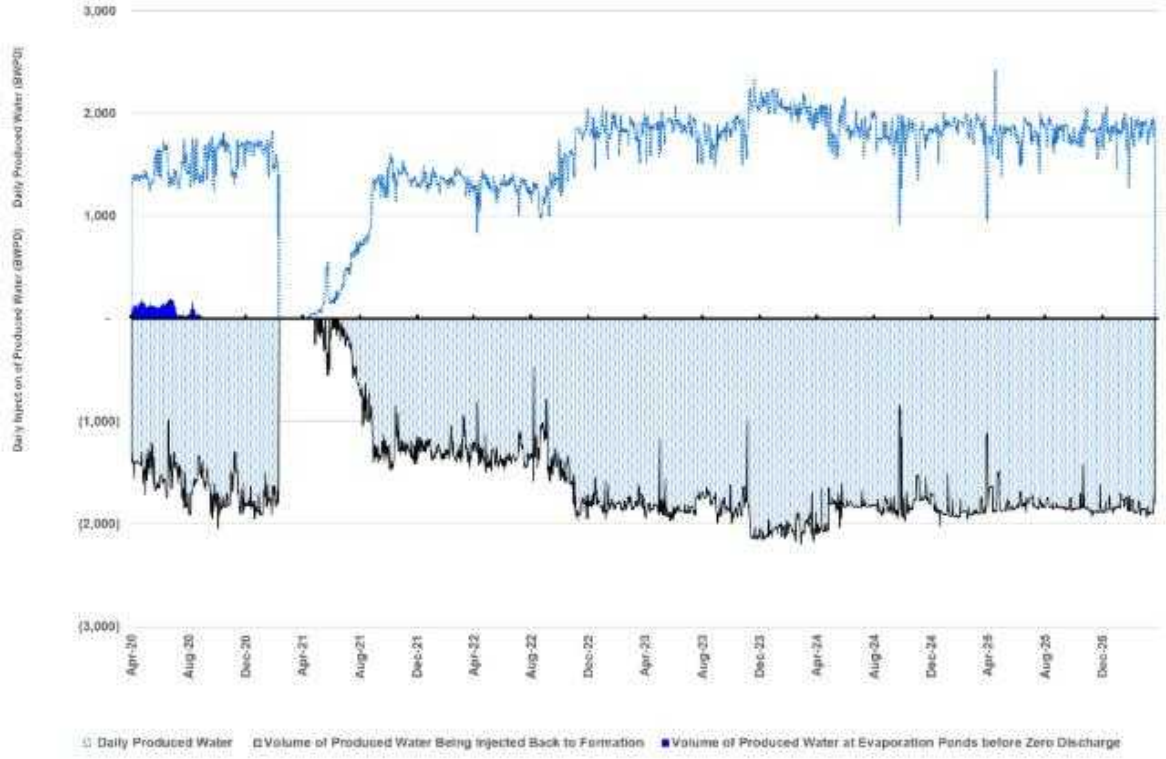


Figure 41: Produced Water Management

According to Table 8 in this report, as per Table 8.3 Environmental and Social Monitoring Program of the approved EIA report, it is committed to testing the wastewaters from the discharged points. However, all the produced water from the GOCS is being disposed of back into the formation and thus there is no discharge to the environment. Again, there is no discharge from the hydro test activities and also from shut-in wells.

8.8 Monitoring on Discharge of Treated Wastewater and Runoff

MPRL E&P conducted self-monitoring activities to access the quality of discharged water from various sources, including domestic wastewater treated from Bio-filter, hydro test water from warehouse, drinking water quality, domestic wastewater quality from Down-hole and Mechanical Workshop Zero Discharged Tank, and groundwater quality near the injection well. The monitoring was conducted according to the planned schedule.

8.8.1 Base Camp Water Discharge

Domestic-type wastewater and sewage are managed in the existing operational phase. Based on the camp water consumption monitoring results, approximately 8,000 liters of sewage and wastewater are generated per day from the base camp within the Mann Field, which can accommodate 60 – 80 workers.

Water consumption is monitored using water flow meters installed at the base camp, workshop, warehouse, and down-hole workshop. The team is also aware of the water consumption to minimize its volume.

Regular safety meetings and toolbox talks are held to raise awareness about water conservation, energy conservation, and water pollution among all crew members. Additionally, inspections are conducted to ensure that there are no leaks or wastage of water from pipelines and basins during routine camp inspections.

Figure 42: Regular Maintenance of Bio-filter by Third-party

Sanitary and domestic wastewater are managed in accordance with the mitigation plan. The following measures are in place:

- Sanitary wastewater is collected in septic holding tanks in the main camp, which are periodically serviced by a licensed firm. Currently, the wastewater is collected in a concrete pit, with no discharge outside.
- MPRL E&P has installed the wastewater treatment unit to treat sanitary wastewater in accordance with NEQEG guidelines.
- Storm water run-off is directed to a pond to remove silt particles before being discharge via a storm drain.
- Surface runoff from potential sources of contamination is prevented.
- All discharge facilities and sediment control structures are regularly inspected and maintained to ensure proper and efficient operation, particularly during rainstorms. Deposited silt and grit are removed regularly.
- Runoff from areas without potential sources of contamination is minimized by reducing the area of impermeable surfaces and using vegetated swales and retention ponds to reduce the peak discharge rate.
- Oil-water separators and grease traps are constructed and maintained as appropriate at refueling facilities, workshops, parking areas, fuel storage, and containment areas.
- The location of the discharge point for treated sewage effluent into surface water is not confirmed based on the existing project design, but it will be located where there is adequate assimilative capacity of the surface waters.

8.8.2 Monitoring of Sewage Treatment System Water Quality

At Base Camp, we treated sewage discharge water using a bio-filter and collected it in a concrete tank. This water is now repurposed for watering the plants and controlling dust by spraying it on the ground.

During the month of January 2026, we collected water samples from the bio-filter treated system and sent them to ALARM and ISO Tech lab for testing and found that the results are under the NEQEG guideline except total phosphorous and it may be the biological or chemical balance required to "trap" the phosphorus has been disrupted. It is periodically serviced and maintained by the service provider quarterly basis.

The monitoring results are presented in Table 22: Bio-filter outlet water quality monitoring (Sewage Treatment System).

Table 22: Bio-filter Outlet Water Quality Monitoring (Sewage Treatment System)

No	Quality Parameter	Units	Results (Jul'24)	Results (Jan'25)	Results (Jul'25)	Results (Jan'26)	NEQEG (2015)
1	BOD_5	mg/l	32	33	35	38	50
2	COD	mg/l	56	128	96	64	250
3	Oil and grease	mg/l	5	4	6	7	10
4	pH	S. U	7.6	7.4	8.3	8.1	6-9
5	Total Coliform Bacteria	MPN/100ml	80	40	60	40	400
6	Total Nitrogen	mg/l	3	2.6	12.5	32.8	-
7	Total Phosphorous	mg/l	<0.3	0.52	1.86	4.3	2
8	Total Suspended Solids (TSS)	mg/l	3	49	40	36	50
9	Turbidity	FNU	8	60	65	42	-
10	Electrical Conductivity	µs	0.957	964	912	998	-
11	Dissolved Oxygen	mg/l	2.82	3	2.15	5.53	-

8.8.3 Hydro-test Water and Domestic Water

At the Mann Field warehouse, the team previously conducted hydro tests on tubing in a designated pressure test area. However, the field team has since minimized water usage by implementing a recycling system that uses zero discharge recycled water for these tests.

Figure 43: Warehouse Tubular Section

8.8.4 Monitoring of Discharge Water from Warehouse (Tubular Section)

Figure 44: Water Sample Collection at Warehouse Zero Discharge Tank

The hydro-test water monitoring schedule was carried out during the month of January 2026. The monitoring results revealed that all parameters complied with the NEQEG guidelines except for BOD5 value and Total Suspended Solid value. BOD5 value exceeding may be many reasons such as using of organic additives in hydrotesting, residual contaminants, source of water quality, etc. Total suspended solid value may high due to rust, scale, metal oxides, or sediment from aging pipelines, introducing particulate matter into the wastewater.

The monitoring results are presented in Table – 23: Monitoring of Discharge Water from Warehouse (Tubular Section).

Table 23: Discharge Water from Warehouse (Tubular Section)

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	NEQEG (2015)
1	BOD_5	mg/l	21	36	33	42	25
2	Arsenic	mg/l	0.01	0	Nil	Nil	-
3	Cadmium	mg/l	ND	<0.01	ND	0.03	-
4	COD	mg/l	32	96	64	64	125
5	Chromium (Hexavalent)	mg/l	<0.02	0.155	0.21	0.27	-
6	Copper	mg/l	ND	0	Nil	Nil	-
7	TSS	mg/l	35	240	78	180	35
8	Chloride	mg/l	20.32	140	34	25	600
9	Lead	mg/l	ND	<0.1	ND	0.1	-
10	Mercury	mg/l	0.006	0.001	0.001	-	-
11	Nickel	mg/l	0.2	0.34	0.21	0.26	-
12	pH	S. U	7.7	7.3	8.1	7.9	6-9
13	Phenols	mg/l	<0.1	<0.1	0.41	0.36	0.5
14	Silver	mg/l	-	-	-	-	-
15	Sulfide	mg/l	0.04	0.24	0.336	0.24	1
16	Zinc	mg/l	<0.02	0	Nil	Nil	-
17	Vanadium	mg/l	-	-	-	-	-

8.8.5 Monitoring of Discharge Water from Down-Hole Workshop

Down-hole Workshop: Down-hole tools servicing, cleaning, inspection, pressure testing and the cleaning process with steam are carried out in the Down-hole Workshop. The used water is disposed of at the zero discharge pits to preserve the environment.

In January 2026, we monitored the water samples from a zero-discharge tank of Down-hole workshop, and all of them complied with the NEQEG, except for Chlorine (total residual), Chromium (Hexavalent), and phenols. The types of activities conducted in the workshop can have a significant impact on water quality.

Figure 45: Down-hole Workshop

The exceeding parameters may be due to its use in corrosion inhibitors, plating processes, and certain types of drilling fluids. The water used in the

daily operation of the down-hole workshop was collected in a concrete tank via a drain line and reused for recycling, thus avoiding discharge to the environment.

The monitoring results are described in the following Table 24: Discharge Water from Equipment Maintenance Workshop (Down-hole Workshop).

Table 24: Discharge Water from Down-hole Workshop

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	NEQEG (2015)
1	BOD_5	mg/l	37	24	71	32	50
2	Ammonia	mg/l	3	1.86	3.16	0.24	10
3	Arsenic	mg/l	0.01	0	Nil	Nil	0.1
4	Cadmium	mg/l	ND	ND	0.03	0.01	0.1
5	COD	mg/l	65	64	96	32	250
6	Chlorine (Total Residual)	mg/l	<0.02	Nil	Nil	0.5	0.2
7	Chromium (Hexavalent)	mg/l	<0.02	0.02	0.279	0.136	0.1
8	Chromium (Total)	mg/l	-	-	-	-	0.5
9	Copper	mg/l	ND	Nil	Nil	Nil	0.5
10	Cyanide (Free)	mg/l	<0.01	0.054	0.022	0.068	0.1
11	Cyanide (Total)	mg/l	-	-	0.031	Nil	1
12	Fluoride	mg/l	0	0.8	0.8	0.5	20
13	Heavy Metals (Total)	mg/l	-	-	-	-	10
14	Iron	mg/l	0.36	0.35	0.239	0.193	3.5
15	Lead	mg/l	ND	ND	ND	ND	0.1
16	Mercury	mg/l	0.002	0.04	0.02	-	0.01
17	Nickel	mg/l	ND	ND	0.24	ND	0.5
18	Oil and grease	mg/l	8	8	8	7	10
19	pH	S. U	7.6	7.4	8.3	7.9	6-9
20	Phenols	mg/l	<0.1	<0.1	0.28	0.61	0.5
21	Selenium	mg/l	-	-	-	-	0.1
22	Silver	mg/l	-	-	-	-	0.5
23	Sulfide	mg/l	<0.04	0.313	0.343	0.2	1
24	Temperature increase	mg/l	26.2	25	25	25	<3

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	NEQEG (2015)
25	Total coliform bacteria	MPN/100 ml	40	16	40	16	400
26	Total Phosphorous	mg/l	2.6	1.92	1.24	1.68	2
27	Total Suspended Solids	mg/l	156	147	80	32	50
28	Zinc	mg/l	<0.02	Nil	Nil	Nil	2
29	Vanadium	mg/l	-	-	-	-	-

8.8.6 Monitoring of Discharge Water from Mechanical Workshop

Mechanical Workshop: pulling units, workover rigs, trucks, bulldozers, backhoes, tractors and pumps are serviced in the workshop, and large amounts of water are used in car washes and general cleaning. Water reclamation systems are employed in the workshop.

Figure 46: Water Sample Collection at Mechanical Workshop

Vehicles and machine parts undergo maintenance and repair work at the mechanical workshop, and the water used in the workshop's daily operation is collected in a concrete tank and reused.

Monitoring for the domestic water quality from the equipment maintenance workshop (Mechanical Workshop) of the Zero Discharge Tank was conducted in January 2026, and as per the results, chlorine (total residual) and phenols only exceeded the guideline values a little.

In a mechanical workshop, high levels of Total Residual Chlorine and Phenols may result from heavy-duty cleaning agents and the breakdown of specialized lubricants. Some high-pressure lubricants and additives may contain phenol-based antioxidants. During the washing of engine parts or hydraulic components, these compounds may be washed into the wastewater.

The tested results of the monitoring are presented in Table 25: Discharge water from Equipment Maintenance Workshop (Mechanical Workshop).

Table 25: Discharge Water from Mechanical Workshop

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	NEQEG (2015)
1	BOD_5	mg/l	28	32	24	36	50
2	Ammonia	mg/l	0.3	0.54	2.4	0.24	10
3	Arsenic	mg/l	0.005	Nil	Nil	Nil	0.1
4	Cadmium	mg/l	ND	ND	0.04	0.02	0.1
5	COD	mg/l	53	64	64	64	250
6	Chlorine (Total Residual)	mg/l	<0.02	Nil	Nil	0.5	0.2
7	Chromium (Hexavalent)	mg/l	<0.02	0.08	0.31	0.1	0.1
8	Chromium (Total)	mg/l	-	-	-	-	0.5
9	Copper	mg/l	ND	Nil	Nil	Nil	0.5
10	Cyanide (Free)	mg/l	<0.01	0.039	0.025	0.066	0.1
11	Cyanide (Total)	mg/l	-	-	0.034	Nil	1
12	Fluoride	mg/l	0	0.4	3.3	0.8	20
13	Heavy Metals (Total)	mg/l	-	-	-	-	10
14	Iron	mg/l	0.32	0.32	0.258	0.194	3.5
15	Lead	mg/l	0.15	ND	ND	ND	0.1
16	Mercury	mg/l	0.001	0.05	0.03	-	0.01
17	Nickel	mg/l	ND	0.31	0.31	0.21	0.5
18	Oil and grease	mg/l	6	6	7	8	10

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	NEQEG (2015)
19	pH	S. U	8.3	7.6	8.4	8.5	6-9
20	Phenols	mg/l	<0.1	<0.1	0.31	0.86	0.5
21	Selenium	mg/l	-	-	-	-	0.1
22	Silver	mg/l	-	-	-	-	0.5
23	Sulfide	mg/l	<0.04	0.303	0.341	0.2	1
24	Temperature increase	mg/l	25	25	25	25	<3
25	Total coliform bacteria	MPN/100 ml	30	12	10	30	400
26	Total Phosphorous	mg/l	0.2	1.82	1.31	1.94	2
27	Total Suspended Solids	mg/l	28	60	58	38	50
28	Zinc	mg/l	<0.02	Nil	Nil	Nil	2
29	Vanadium	mg/l	-	-	-	-	-

8.9 Use of Chemicals for EOR

During the EOR operation, chemicals will be injected into the wells to alter the property of oil for enhanced recovery in the EIA report. The chemicals that may be used for the Project included alkaline and polymers. The injection of chemicals into the well may cause groundwater contamination and indirectly affecting community health.

In Mann Field, MPRL E&P applied the GreenZyme® to inject to the formation that does not expose nor discharge to the environment. There is no environmental issue since the injection project had been conducted according to the standard operating procedure by protecting not to spill to the environment.

GreenZyme® is a biological liquid enzyme which is a kind of environmentally friendly fluid. It is a protein-based non-living catalyst, which facilitates the completion of biological reactions, to enhance crude oil recovery from most oil wells, both onshore and offshore. EOR GreenZyme® is produced by a proprietary process, which involves impregnating a high protein nutrient soup, with the DNA of selectively cultured microbes. The final product contains enzymes associated with the oil-eating microbe's DNA. Nearly all-living microbes are made inert at the end of the manufacturing process.

8.10 Monitoring of Camp Water Quality (Drinking Water Quality)

Figure 47: Collection of Drinking Water Sample from RO Drinking Water System

Access to safe drinking water is crucial for everyone's wellbeing, which is why a Reverse Osmosis (RO) drinking water system has been installed in the base camp. This system ensures that there is sufficient purified water available for staff members to use for drinking water and food preparation. To maintain the quality of water, the team conducts biannually water quality monitoring, and the site doctor and HSE team perform hygiene inspections and audits according to the planned schedule. Regular service and maintenance are also scheduled and implemented to ensure that the RO system continues to function properly.

Monitoring Results of Drinking Water Quality

In January 2026, the drinking water quality of Mann Field Base Camp was tested at ALARM and ISO Tech labs. The results indicate that all parameters were below the Drinking Water Quality Standard (DWQS) 2019 and confirm that the water is safe to drink. However, taste and odor parameters were not available in the lab.

The results of the purified drinking water quality from RO system are described in Table 26: Drinking Water Quality Monitoring from MPRL E&P Base Camp (RO Outlet).

Table 26: Drinking Water Quality Monitoring from MPRL E&P Base Camp (RO Outlet)

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	DWQS (2019)
1	pH	S. U	7	7.1	6.6	6.7	6.5-8.5
2	Turbidity	NTU	<5	1	5	Nil	5
3	Colour	TCU	0	Nil	5	Nil	15
4	Hardness	mg/l as $CaCO_3$	12.8	2	4	2	500
5	Arsenic	mg/l	0	Nil	Nil	Nil	0.05
6	Chloride	mg/l	32	12	2	2	250
7	Lead	mg/l	ND	ND	ND	ND	0.01
8	Total Dissolved Solids (TDS)	mg/l	3	16	4	13	1000
9	Iron	mg/l	0.12	0.07	0.09	0.12	1
10	Sulphate	mg/l	19.4	Nil	Nil	Nil	250
11	Manganese	mg/l	<0.2	0.02	<0.2	0.1	0.4
12	Nitrate	mg/l	0.25	0.4	Nil	Nil	50
13	Total Coliform Count	MPN/100ml	0	0	0	ND	0
14	Total Fecal Coliform Count	MPN/100ml	0	0	0	ND	0
15	Odor	Acceptable	NA	-	-	-	-

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8.11 Monitoring of Ground Water Quality Near the Injection Well

MPRL E&P did not perform the chemical flooding or injection processes on the wells, but instead initiated the enhanced oil recovery project by injecting produced water into the shut-in wells using injection pumps to maintain reservoir pressure.

As part of the Environmental monitoring plan, groundwater near the injection well was monitored bi-annually to assess any contamination or impact on the groundwater. There were two tube wells near shut-in well 132, named Ko Win Maung and Ma Nyein wells.

During the January 2026 sampling period, the water source at Ko Win Maung's residence was inaccessible due to the landlord's absence. Consequently, this report exclusively includes results from the sample collected at Ma Nyein's tube well.

The monitoring was conducted according to our self-monitoring plan, and the samples were tested at ALARM lab and ISO Tech Lab in January 2026. However, taste and odor parameters could not be tested due to the unavailability of labs.

Table 27: Groundwater Quality Monitoring near Injection Well 132 (Ko Win Maung)

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	DWQS (2019)
1	pH	S. U	NA	7.3	7.8	-	6.5-8.5
2	Turbidity	FAU/NTU	NA	9	9	-	5
3	Colour	HU	NA	5	5	-	15
4	Hardness	mg/l as CaCO3	NA	204	164	-	500
5	TDS	mg/l	NA	683	888	-	≤1000
6	Chloride	mg/l	NA	35	55	-	250
7	Total Coliforms	MPN/100ml	NA	5	3	-	0
8	Total Faecal Coliforms	MPN/100ml	NA	0	0	-	0
9	Arsenic	mg/l	NA	Nil	Nil	-	0.05
10	Iron	mg/l	NA	0.48	0.33	-	1
11	Lead	mg/l	NA	ND	ND	-	0.01
12	Manganese	mg/l	NA	0.35	0.46	-	0.4
13	Sulfate	mg/l	NA	102	111	-	250
14	Nitrate	mg/l	NA	0.3	Nil	-	50
15	Odor	Acceptable	NA	-	-	-	-

Table 28: Groundwater Quality Monitoring near Injection Well 132 (Ma Nyein)

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	DWQS (2019)
1	pH	S. U	7.7	7.4	8.2	8.3	6.5-8.5
2	Turbidity	FAU/NTU	<5	12	12	9	5
3	Colour	HU	0	5	5	5	15
4	Hardness	mg/l as $CaCO_3$	0.051	100	92	72	500
5	TDS	mg/l	582	562	519	580	≤1000
6	Chloride	mg/l	28.3	50	25	25	250
7	Total Coliforms	MPN/100ml	3	6	3	4	0

No	Quality Parameter	Units	Results (Jul 2024)	Results (Jan 2025)	Results (Jul 2025)	Results (Jan 2026)	DWQS (2019)
8	Total Faecal Coliforms	MPN/100ml	0	0	0	ND	0
9	Arsenic	mg/l	0.005	Nil	Nil	Nil	0.05
10	Iron	mg/l	0.31	0.52	0.37	0.264	1
11	Lead	mg/l	ND	ND	ND	ND	0.01
12	Manganese	mg/l	<0.2	0.32	0.51	0.38	0.4
13	Sulfate	mg/l	84.1	84	82	66	250
14	Nitrate	mg/l	0.31	0.6	Nil	Nil	50
15	Odor	Acceptable	NA	-	-	-	-

At the Ma Nyein Well, all the results were shown to be under the Drinking Water Quality Standard (2019), except for turbidity and total coliforms. The exceeding reasons of turbidity may be the natural factors such as soil erosion and geological conditions, anthropogenic activities, etc. The presence of total coliforms in tube well water analysis can be a sign of contamination, which could stem from various factors. Coliform bacteria are generally not harmful themselves, but their presence indicates that the water may be contaminated by pathogens, making it unsafe for consumption. Those may be contamination from surface water due to proximity to contamination sources, animal contamination, natural occurrence in the environment, etc.

Figure 48: Tube Well of Ko Win Maung


Figure 49: Water Sample Collection from the Ma Nyein's Tube Well

8.12 Monitoring on Gas Venting

In accordance with the gas venting monitoring program, MPRL E&P's technical team utilizes an Echo Meter to monitor and measure gas volume. If the recorded gas volume substantially exceeds the previous measurement, an orifice meter is employed to validate the volume within a 24-hour timeframe. Once the gas volume is confirmed to be sufficient, the team connects to the gas line and channels the collected gas to the existing facility supplying gas lines to the LPG plant. Continuous monitoring indicates a reduction in well counts and vent gas volume. The team has effectively minimized the venting gas volume, achieving successful mitigation.

Location of the Gas Venting Wells

As per the planned monitoring program, the team randomly selected the six wells and measured by using an orifice meter on the wells as follows;

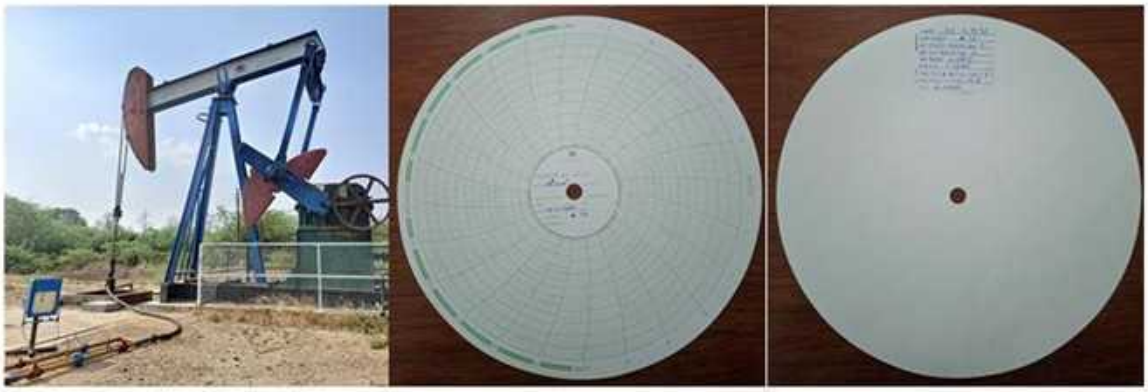
Table 29: Selected Gas Venting Wells Locations

Well No	Location	Gas Volume	Date
M 218	N 20°13'9.35" E 94°51'29.39"	0 - MMCFD	08 Oct 2025
M 16	N 20°13'24.62" E 94°51'14.43"	0 - MMCFD	25 Nov 2025
M 189	N 20°14'1.05" E 94°51'2.44"	0 - MMCFD	10 Dec 2025
M 338	N 20°13'50.70" E 94°51'0.82"	0 - MMCFD	21 Jan 2026
M 47	N 20°13'5.70" E 94°51'35.22"	0 - MMCFD	04 Feb 2026
M 630	N 20°12'40.35" E 94°51'21.19"	0 - MMCFD	03 Mar 2026

Gas Volume Measurement (Orifice Meter) Well-218

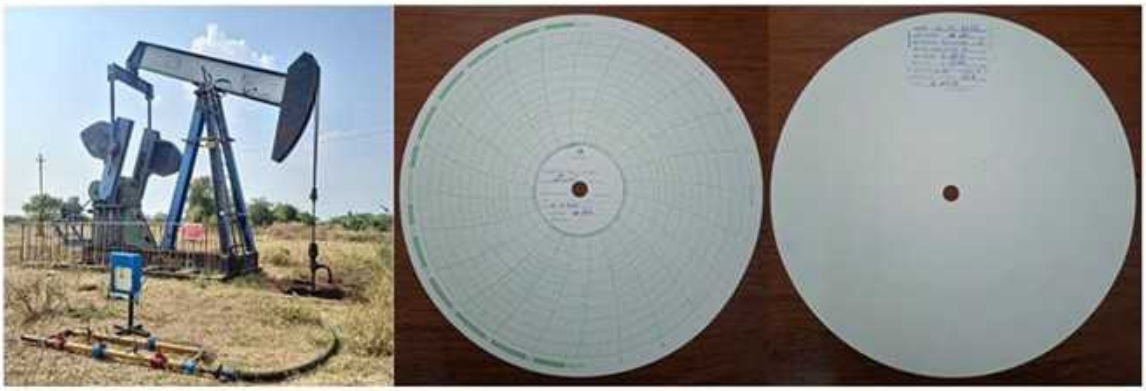
Date : 08 Oct 2025, Gas Volume – 0 MMCFD

Gas Volume Measurement (Orifice Meter) Well-16



Date : 25 Nov 2025, Gas Volume – 0 MMCFD

Gas Volume Measurement (Orifice Meter) Well-189

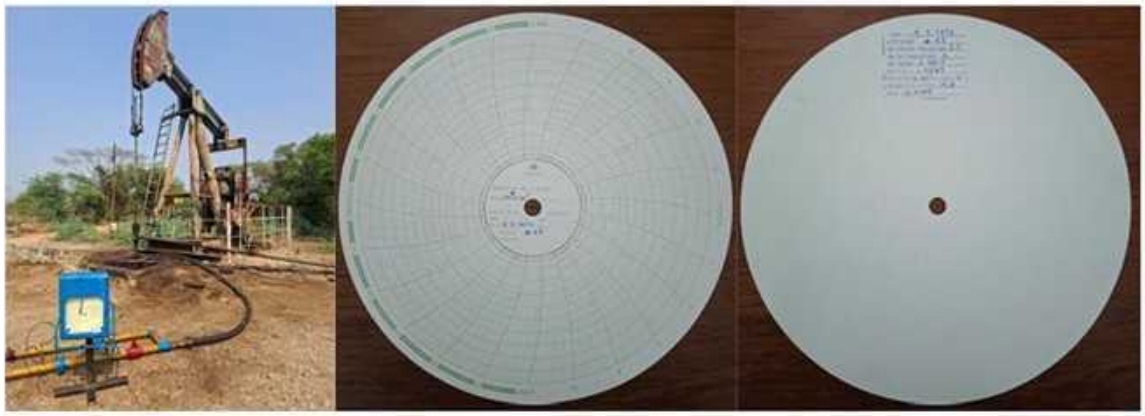


Date : 10 Dec 2025, Gas Volume – 0 MMCFD

Gas Volume Measurement (Orifice Meter) Well-338

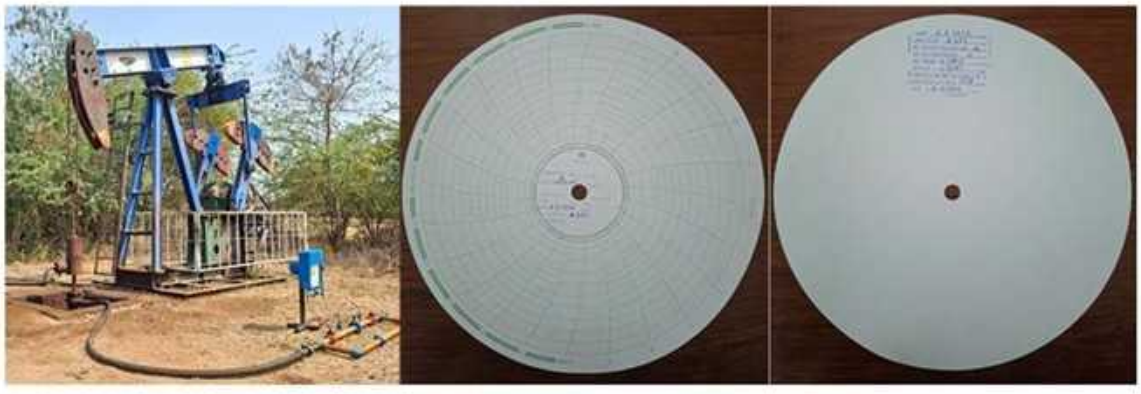
Date : 21 Jan 2026, Gas Volume – 0 MMCFD

Gas Volume Measurement (Orifice Meter) Well-47



Date : 04 Feb 2026, Gas Volume – 0 MMCFD

Gas Volume Measurement (Orifice Meter) Well-630



Date : 03 Mar 2026, Gas Volume – 0 MMCFD

Figure 50: Gas-Vented Wells and Vented Gas Volume Measurement Record

8.12.1 Monitoring of Hydrogen Sulphide (H_2S)

In accordance with our Environmental and Social Monitoring program and self-monitoring schedule, our HSE Officers monitored Hydrogen Sulphide (H_2S) levels on a monthly basis at randomly selected potential gas venting wells. From among these wells, we have provided detailed results for six (6) wells in Table 30.

Table 30: Monitoring Results of the Hydrogen Sulphide (H_2S)

Sr. No:	Location	Date	Measured Time Duration	H_2S (PPM)	CO (PPM)	O_2 %	LEL %
1	M-537	21 February 2026	30 sec	0	0	20.9	0
2	M-174	21 February 2026	30 sec	0	0	20.9	0
3	M-127	23 February 2026	30 sec	0	0	20.9	0
4	M-16	23 February 2026	30 sec	0	0	20.9	0
5	M-80	24 February 2026	30 sec	0	0	21.1	0
6	M-98	24 February 2026	30 sec	0	0	20.7	0

H_2S levels are monitored using an in-house portable gas detector (VENTIS MX4 Gas Detector), which has been calibrated periodically as per plan. This equipment can monitor four (4) parameters. As a result of monitoring, no H_2S was detected, and the results for each well are listed in the above Table 30.

M- 537 (near WMC)



M-174



M-127 near GOCS-2 (G-20 Main Road)



M-16

M-80 (Auk Kyaung Pagoda Road)

M-98 (Behind MPRL Base Camp)

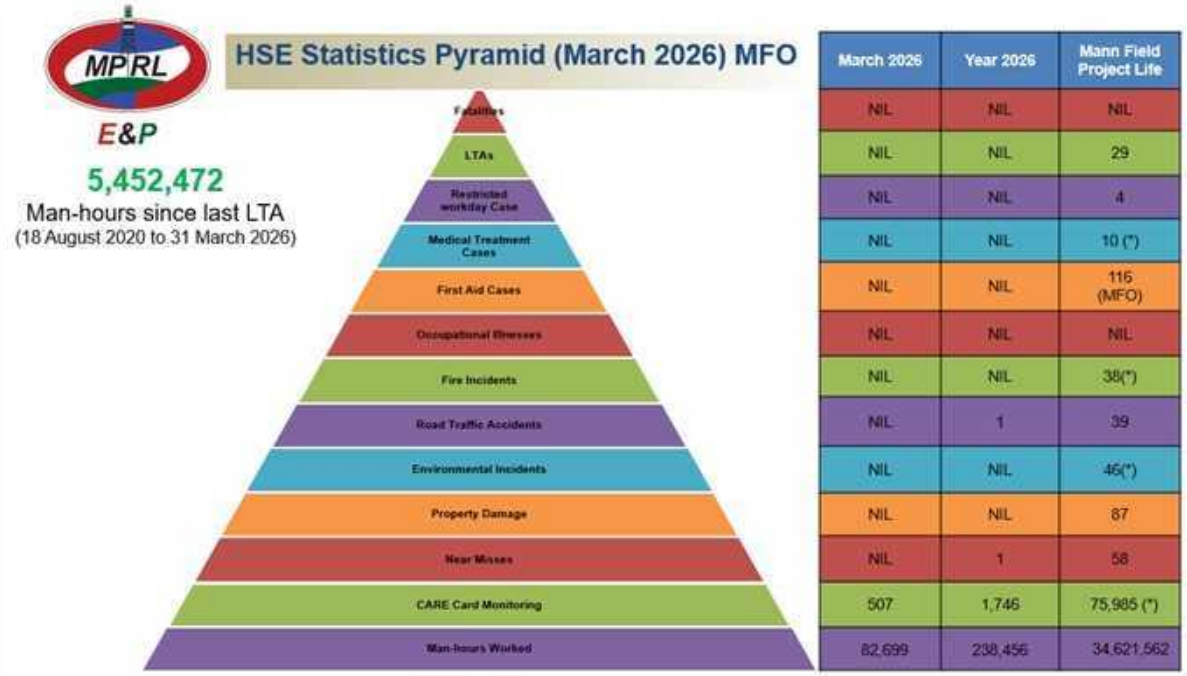
Figure 51: H_2S Monitoring Activities

9. Occupational Health and Safety Performance

Occupational Health and Safety System Framework

MPRL E&P is committed to staff safety and minimizing environmental impact in all its operations. The company ensures that its health and safety management aligns with international standards such as HSG 65 and ISO 45001:2018, as well as relevant local regulations, international standards, and industry best practices, including API requirements. Ongoing monitoring and enhancement of these efforts help maintain performance and compliance standards.

9.1 HSE Statistics Pyramid

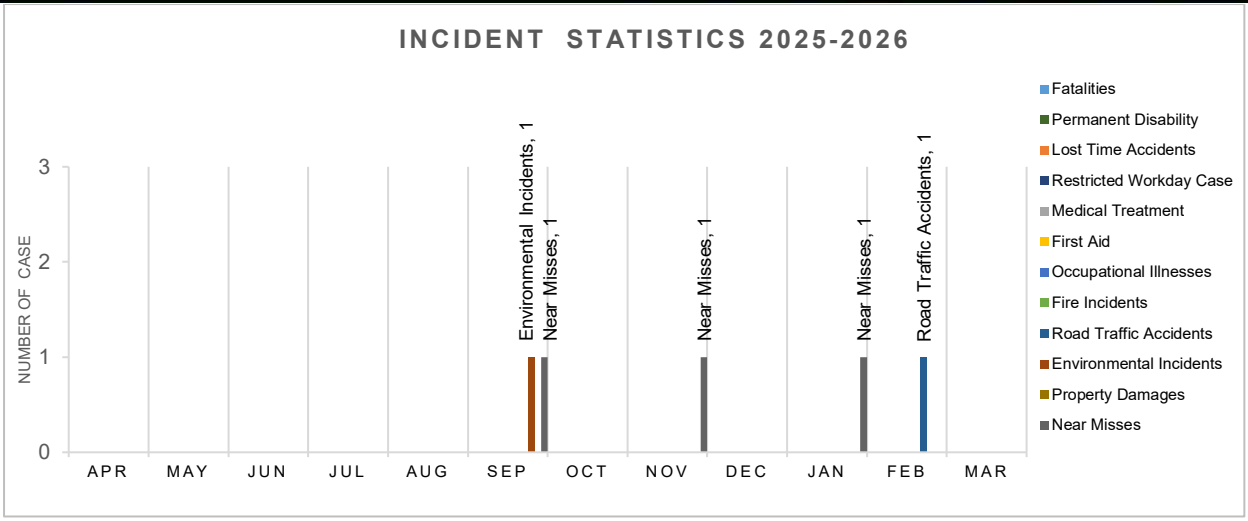


March 2026	Year 2026	Mann Field Project Life
NIL	NIL	NIL
NIL	NIL	29
NIL	NIL	4
NIL	NIL	10 (*)
NIL	NIL	116 (MFO)
NIL	NIL	NIL
NIL	NIL	38(*)
NIL	1	39
NIL	NIL	46(*)
NIL	NIL	87
NIL	1	58
507	1,746	75,985 (*)
82,699	238,456	34,621,562

Figure 52: HSE Statistics Pyramid Up to February 2026 Status

9.2 Incidents Status

In the reporting time frame (October 2025 to March 2026), Mann Field operations recorded one minor Road Traffic Accident and two Near Miss cases. The total recordable cases remain within the KPI target of not exceeding four for 2025-2026.



9.3 HSE Audits & Inspections

Regular surprise alcohol tests are conducted at Mann Field to reinforce the commitment to a dry workplace and ensure employees are not under the influence while on duty. These tests aim to protect employee well-being, prevent incidents, and support safe and efficient oil field operations.

Regular Permit to Work (PTW) audits are conducted utilizing a detailed checklist to ensure that all hazardous work is managed safely adheres to established procedures and that safety measures are thoroughly documented and implemented.

Weekly Cross-Inspections and Bi-Weekly Hazards Hunt Inspections are conducted periodically, covering Pulling Unit operations, GOCS stations, workshops, and warehouse areas. These inspections utilize checklists and are part of our proactive approach to ensure adherence to HSE standards and practices across these critical operational domains. This highlights our dedication to a safe and environmentally responsible workplace.

Bi-annual earthing resistance tests were conducted to ensure compliance with electrical safety standards and maintain system integrity across these key facilities.

As part of the organization's ongoing Slip, Trip & Fall and Working at Height Hazards Prevention program, an inspection of ladders and safety harnesses was carried out. The objective was to ensure the reliability of equipment and compliance with safety standards to minimize risks associated with working at height.

In line with the preventive maintenance (PM) schedule for electrical equipment, the MPRL E&P team, in collaboration with MOGE Electricians, carried out inspections of starter boxes, lighting equipment, and fixtures at designated facilities. The inspection

aimed to ensure equipment reliability, prevent electrical hazards, and maintain compliance with safety standards.

To maintain safe storage practices and ensure compliance with company HSE standards, an inspection of chemical storage was conducted at the KCL Warehouse and Container. The inspection aimed to identify potential risks, verify the condition of storage materials, and ensure the overall safety and cleanliness of the storage area.

As part of the company's environmental protection and emergency preparedness measures, spill kit inspections were conducted to ensure readiness in the event of accidental spills. The activity aimed to verify that all spill kits are properly stocked, functional, and positioned for immediate use.

To prevent incidents and ensure the reliability of lifting operations, a thorough inspection of all lifting gear, hoisting, and handling equipment was carried out.

Conduct inspection and maintenance of the safety barriers to ensure their structural integrity, reliability, and compliance with safety standards.

Figure 53: Permit to Work (PTW) Audit

Figure 54: Lifting Gear, Hoisting & Handling Equipment NDT Inspection and Color Coding

Figure 55: Bi-weekly Hazard Hunt Inspection

Figure 56: Tank walkway, Pit Safety Barriers Inspection and Maintenance

Figure 57: Spill Kit, Ladder and Safety Harness Inspection

Figure 58: Permit to Work (PTW) Refresher Training

Figure 59: Defensive Driving Training

Figure 60: Contractor Inspection & Maintenance for Biofiltration Unit at Base Camp

Figure 61: Earthing Resistance Test

Figure 62: Inspection for Safe Chemical Storage

9.4 HSE Training

To ensure the safety of personnel, environmental protection, and the financial sustainability of the accelerated operations, HSE training has become a strategic necessity. As operational activity intensifies, the frequency and focus of HSE training have increased proportionally.

Numerous internal HSE knowledge-sharing sessions are conducted to foster a strong safety culture, improve operational efficiency, and ensure the HSE team is prepared to address the challenges of a dynamic and safety-critical environment.

During the fiscal year 2025-2026 (October 25 ~ March 26), a total of **722** HSE training hours were achieved. Targeted training sessions were conducted to ensure workers' competencies align with operational needs. These included Year 2025 – 2026 (October 25~ March 26) HSE training as per follow:

Year 2025 – 2026 (October 2025 ~ March 2026)

- CARE Card Reporting (Refresher)
- Anti-MDA Receptor Encephalitis
- Fire Safety and Fire Extinguishing Training
- Safe Lifting & Slinging Practices Training

- Industrial Hygiene and Personal Hygiene Training
- Incident Investigation and Reporting Awareness
- Fatigue Management & Mental Health Awareness
- PTW system Training (refresher)
- Developing Positive HSE Culture
- Defensive Driving Training
- Planning for & Dealing with Environmental Emergencies

9.5 Effective Worker's Participation towards HSE

MPRL E&P has built a strong safety culture by encouraging employees to report unsafe conditions and actions. This proactive approach prevents accidents, reduces downtime, and lowers costs through early intervention.

In recognition of outstanding safety participation, the "Best Quality CARE Card Award" was awarded to both MPRL E&P and MOGE staff on a quarterly basis at Mann Field and MYO. This initiative highlights the company's commitment to continuous safety improvement.

Additionally, to acknowledge safety-conscious employees for their dedication to health, safety, and environmental initiatives, "Contribution Awards in HSE Activity" were awarded to deserving individuals, reinforcing the importance of safety in all operations.

Figure 63: Best HSE Outstanding Performer Award

Figure 64: Best Quality CARE Card Award

M.O.G.E.

MPRL E&P

SOCIAL PERFORMANCE REPORT

October 2025 - March 2026

Shared Value:

Contributing to Inclusive Growth while Strengthening Competitive Advantage

10. Corporate Social Responsibility

10.1 Executive Summary

During the reporting period of October 2025 to March 2026, MPRL E&P continued the strategic delivery of Corporate Social Responsibility (CSR) initiatives within the Mann Field Communities. Aligned with national development goals and international best practices, the CSR Program employs an integrated approach to social investment, focusing on sustainable infrastructure, economic resilience, and human capital development.

Community infrastructure development efforts focused on improving access to essential services, including clean water, sanitation, education, and community facilities. Key achievements included the implementation of solar-powered water systems, sanitation facilities, drainage and road improvements, and upgrades to schools and community centers. These initiatives enhanced public health, strengthened safe learning environments, and improved overall living conditions, with strong community participation and cost-sharing reinforcing local ownership and long-term sustainability.

Livelihood development initiatives supported agricultural productivity and income generation through continuous monitoring, technical assistance, and implementation of the Seed Bank Program. Support for tomato, chickpea, and sunflower cultivation strengthened farmers' capacity, improved access to inputs and knowledge, and increased market participation. These efforts contributed to higher crop yields, enhanced household income, and improved resilience among local farming communities.

Educational initiatives expanded access to vocational and higher education through scholarship programs and skills training. Continuous monitoring and guidance ensured academic progress and successful course completion, enabling youth to develop employable skills and transition into the workforce. These efforts contributed to long-term human capital development within Mann Field Communities.

Community capacity building activities strengthened local skills, knowledge, and engagement through targeted training, awareness campaigns, and youth-focused programs. Initiatives such as coaching sessions, educational campaigns, and summer programs promoted creativity, participation, and community cohesion, empowering stakeholders to take an active role in local development.

Community Healthcare Program continued to enhance access to essential healthcare services through the Mobile Clinic Program, complemented by health education initiatives addressing key health issues. The implementation of the eye health program further strengthened preventive care by supporting early detection and treatment, contributing to improved health outcomes and increased awareness of healthy practices among community members.

Environmental sustainability efforts were reinforced through the Community-led Waste Management Program, which promoted proper waste management, regular cleanup activities, and community-managed composting. These initiatives improved waste collection practices, encouraged household participation, and strengthened environmental awareness, contributing to cleaner and healthier communities.

MPRL E&P maintained transparent and responsive stakeholder engagement throughout the reporting period. The Operational Grievance Mechanism (OGM) remained effective, with three cases reported and successfully resolved, contributing

to a cumulative total of 196 cases addressed since 2014. Ongoing consultations, reporting, and information-sharing strengthened trust, accountability, and collaboration with government authorities and community stakeholders.

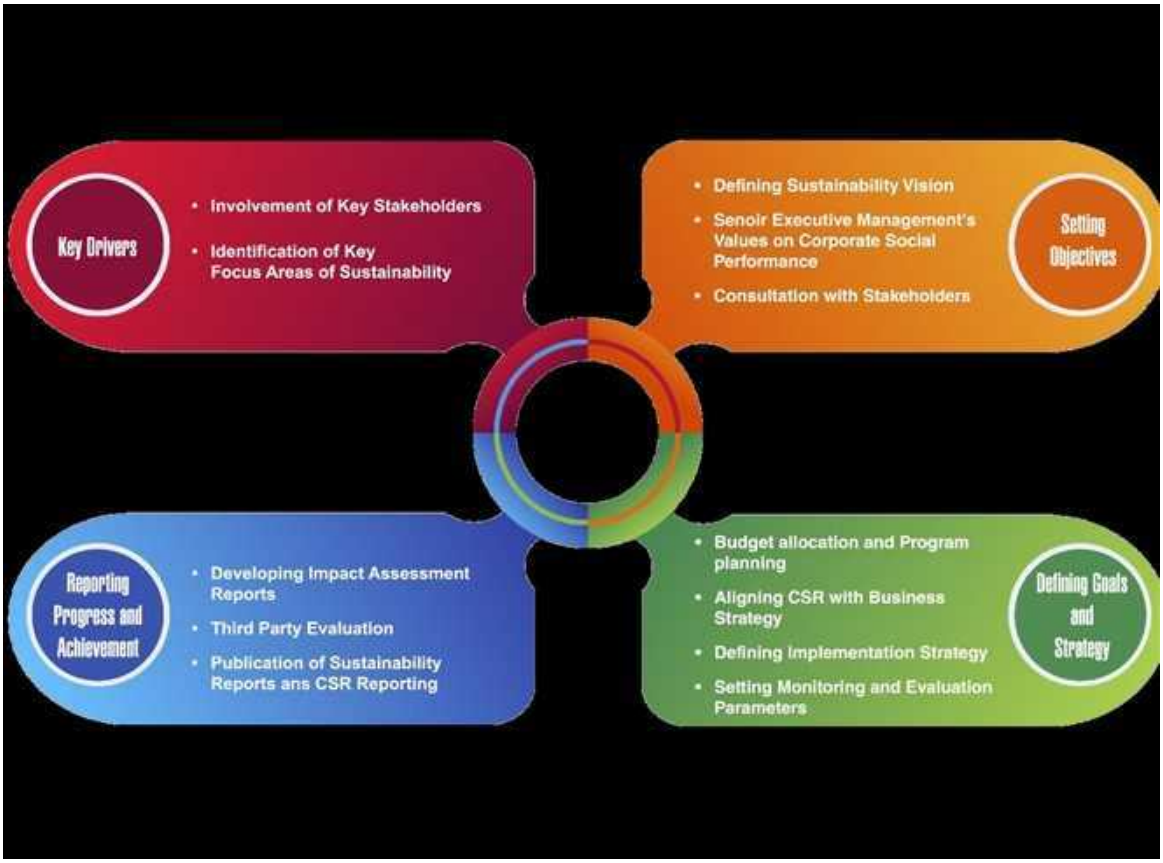
Corporate philanthropy initiatives further supported community well-being through contributions to cultural and religious activities, reinforcing strong community relationships and social responsibility.

The MOGE Employee-Centered CSR Program continued to support the well-being of employees and their families through targeted interventions in basic needs, education, healthcare, and skills development. These initiatives improved living conditions and strengthened capacity, reflecting MPRL E&P's commitment to inclusive and responsible development.

Overall, these initiatives demonstrate MPRL E&P's holistic approach to CSR, integrating social investment, environmental stewardship, and stakeholder engagement. Through sustained efforts, the company continues to enhance community resilience, strengthen local capacity, and deliver long-term positive impacts across Mann Field Communities.

10.2 Our Approach & Objectives

We recognize our business interacts with a range of material sustainability issue areas and governance of our approach to managing our potential and actual impacts is key to operating more sustainably. Building on strong foundations, we aspire to create social value for society that is purposeful, proactive, mutually beneficial and respectful. We commit to a number of sustainability frameworks, standards and initiatives and we disclose data both as required by law and according to the requirements of those frameworks, standards and initiatives.



Our social investment strategy prioritizes the areas where we believe our investments will have the biggest potential to multiply our impact and achieve sustainable results for the 14 communities living near our operations in Mann Field. Our social investment themes have been:

- Community infrastructure
- Education, sanitation and basic health
- Livelihood development and economic empowerment
- Capacity building and partnerships
- Critical human needs and disaster response

In this regard, we continue to apply the community-led approach to our community initiatives in Mann Field in order promote inclusive and participatory decision-making, transparent and accountable village development, and strengthen grassroots level governance capacity.

At the department level, we are working to achieve the following goals which are ultimately tied to a set of Corporate Goals with regard to our Mann Field asset:

- Maintain a social license to operate from all key project stakeholders including community and regional government.
- Meet all legal requirements in compliance with the Myanmar EIA Procedures in Mann Field.
- Proactively build on our brand as a leading Myanmar national led upstream energy company to ensure both the government and general public are informed about the value we create as a business.

Our sustainability strategy is aligned with the UN Sustainable Development Goals, and we have an important role to play in supporting these ambitions. We can make the

greatest contribution to six goals: Decent work and economic growth (Goal 8), Responsible consumption and production (Goal 12), Climate action (Goal 13), Life below water (Goal 14), Peace, justice and strong institutions (Goal 16) and Partnerships for the goals (Goal 17).

10.3 Implementation Mechanism

The CSR & Communications Department executes social investment initiatives through a strategic blend of direct intervention and multi-stakeholder engagement. This involves close collaboration with Mann Field Communities as well as regional public and private organizations.

The annual CSR Work Program is evidence-based, derived from comprehensive multi-stakeholder needs assessments. For the Fiscal Year 2025-2026, an initial budget of USD 345,012 was allocated; as of February 2026, total program expenditure stands at USD 442,891.08, reflecting an expanded commitment to community needs.

Each intervention is governed by a structured framework defining specific objectives, technical rationales, and rigorous Key Performance Indicators (KPIs). Pilot projects are prioritized to foster local ownership and long-term sustainability. Furthermore, MPRL E&P emphasizes technical knowledge transfer alongside material support, facilitating the transition of traditional subsistence farming and livestock practices into modernized, high-yield systems.

Expense Summary of Key Initiatives in Mann Field (as of February 2026)

Item No.	Activity	Budget (FY 2025-2026) (USD)	Expenditures (as of February 2026) (USD)
Mann Field Project - Corporate Social Responsibility		**345,012.00**	**442,891.08**
1	**Community Development**	**155,815.00**	**360,852.58**
2	**Partnership in Technical and Vocational Education**	**10,036.00**	**6,063.64**
3	**Community Capacity Building**	**40,477.00**	**13,681.82**
4	**Public Consultation & Disclosure**	**66,428.00**	**10,705.66**
5	**Media Monitoring & Engagement**	**22,186.00**	**17,774.95**
6	**UN Global Compact Annual Contribution**	**1,250.00**	**1,250.00**
7	**AVPN Annual Contribution**	**1,200.00**	**1,000.00**
8	**MOGE Employee-Centered CSR Initiatives**	**47,620.00**	**31,562.43**

10.4 Our Performance in Numbers (Fiscal Year 2025-2026)

10.5 Monthly Performance Highlights

From October 2025 to March 2026, MPRL E&P continued to prioritize sustainable development and strengthen community trust. This section presents key operational and social performance highlights for the latter half of the Fiscal Year 2025-2026, reflecting our ongoing commitment to responsible investment and transparent engagement across Mann Field Communities.

Key Highlights for the Month of October 2025

- Completed several community infrastructure projects, including providing flower plants and pots to Lay Eain Tan Middle School, delivering 30 steel armchairs to Mei Bayt Kone Village for religious and social events, constructing a bamboo-woven structure at the former library site in Ywar Thar Village, and renovating suggestion boxes and community noticeboards across Mann Field.
- Initiated the construction of a public toilet and community garden near the Mann Kyoe Community Center, as well as a twin-pit toilet at the Auk Kyaung Village's Dhamayone.
- Monitored the maintenance of water filtration units and school handwashing stations across Mann Field Communities.
- Provided clean drinking water to Auk Kyaung Primary School for October 2025.
- Monitored tomato cultivation and provided necessary support, and coordinated with Seed Bank Committees to manage the distribution of sunflower seeds to local farmers.
- Managed the full scholarship application process for a three-month welding course at No.5 ITC (Magway), supported two former scholars eligible for the Yezin Agricultural University entrance exam, and continued tracking the academic progress of current scholarship students.
- Expanded the Mobile Clinic Program to Ywar Thar Village on a biweekly basis, increasing the total to seven mobile clinics across Mann Field Communities.
- Delivered free healthcare services to 24,959 patients through 853 mobile clinic sessions.
- Monitored regular cleanups by the Trash Hero Minbu Chapter, and organized a Trash Hero cleanup activity and awareness session in Kyar Kan Village.
- Held the monthly community volunteers meeting at Nan U Community Center to share the updates of the CSR Program.
- Conducted community needs assessments with Village Development Committees for the FY 2026–2027 CSR Work Programs.
- Handed over MMK 30,000,000 to the MOGE Acting Director (Mann Field) for rice and cooking oil support under the MOGE Employee-Centered CSR Program, and contributed MMK 1,000,000 to the 56th Kahtain robe offering ceremony of MOGE (Mann Field).
- Organized Kahtain robe offerings to 27 monasteries in Mann Field Communities, with a total contribution of MMK 10,000,000.
- Maintained and regularly updated MPRL E&P's website as a key communication platform.

Key Highlights for the Month of November 2025

- Completed the construction of a twin-pit toilet at the Dhamayone in Auk Kyaung Village.
- Provided a wooden lectern to Kyar Kan Basic Education Middle School.
- Conducted monitoring visits to track progress of infrastructure projects in Mann Kyoe and Let Pan Ta Pin Villages.
- Monitored tomato and sunflower cultivation and provided necessary support to farmers.
- Provided scholarship support to a total of 22 youths from Mann Field Communities.
- Organized an Outdoor Classroom Day at Ma Kyee Chaung Basic Education Middle School with 506 participants.
- Delivered free healthcare services to 25,671 patients through 874 Mobile Clinic sessions.
- Organized a health education talk on “HIV and AIDS” at Auk Kyaung Pagoda.
- Addressed and resolved one OGM case from Lay Eain Tan Village within the KPI timeframe.
- Monitored regular waste collection services and supported Trash Hero Minbu cleanup activities across Mann Field.
- Briefed officials from the Environmental Conservation Department (Magway) on ongoing social management during their visit to Mann Field.
- Organized the monthly Community Volunteers meeting at the Nan U Community Center to share updates on CSR Program activities.
- Distributed Doh Mann Myay Newsletters, Insight! Newsletters, and Quarterly CSR Progress Reports to the Magway Regional Government and other local stakeholders.
- Maintained and regularly updated MPRL E&P’s website as a key communication platform.

Key Highlights for the Month of December 2025

- Completed the construction of a public toilet and community garden in Mann Kyoe Village.
- Completed a concrete approach road and drainage system in Aye Mya Village.
- Completed a concrete water tank and installed a solar-powered water pumping system in Let Pan Ta Pin Village.
- Monitored water well drilling, concrete water tank construction, and solar-powered water pumping system installation in Chin Taung Village.
- Monitored tomato, chickpea, and sunflower cultivation and provided necessary support to farmers.
- Provided scholarship support to 24 youths from Mann Field Communities and monitored their academic progress.
- Conducted two coaching sessions for CSR Field Staff and one knowledge-sharing session for Community Volunteers.
- Delivered free healthcare services to 26,280 patients through 894 Mobile Clinic sessions.
- Addressed one OGM case from Chin Taung Village in December 2025.
- Monitored regular waste collection services and supported Trash Hero Minbu cleanup activities across Mann Field.
- Initiated small-group community engagement to expand the community-managed compost station pilot project in Pauk Kone Village and monitored existing compost stations in Mann Kyoe and Nan U Villages.
- Contributed MMK 10,000,000 to MOGE for vocational and life skills training under the MOGE Employee-Centered CSR Program.
- Contributed MMK 8,000,000 to MOGE for school maintenance and repair works at B.E.H.S (Eain Yar) under the MOGE Employee-Centered CSR Program.
- Published Insight! Newsletter (Issue 45) and Doh Mann Myay Newsletter (Issue 19) on MPRL E&P's website.
- Maintained and regularly updated MPRL E&P's website as a key communication platform.

Key Highlights for the Month of January 2026

- Completed the water infrastructure project at Chin Taung Village, including water well drilling, construction of a concrete water tank, and installation of a solar-powered water pumping system.
- Initiated the construction of a concrete drainage system near Ma Kyee Chaung School.
- Conducted an assessment and prepared cost estimates for ceiling construction at Lay Eain Tan School.
- Monitored routine cleaning of water filtration units and assessed the operational condition of handwashing stations at schools across Mann Field Communities.
- Monitored the cultivation progress of chickpea, sunflower, and tomato crops under the Seed Bank Program.
- Provided scholarship support to a total of 24 youths from Mann Field Communities.
- Announced the scholarship intake for Batch 14 of the one-year industrial skills training course at No.5 ITC (Magway).
- Provided free healthcare services to 26,870 patients through 912 mobile clinic sessions.
- Announced the eye health program for schoolchildren and individuals aged above 60 in Mann Field Communities.
- Monitored regular waste collection services and supported cleanup activities conducted by the Trash Hero Minbu Chapter across Mann Field.
- Conducted compost harvesting and distribution with the Nan U community and organized a composting demonstration at Pauk Kone Village.
- Contributed MMK 3,000,000 to MOGE to support library upgrading, including the provision of books and learning facilities, under the MOGE Employee-Centered CSR Program.
- Contributed MMK 5,000,000 to MOGE to support the provision of medicines and medical supplies for MOGE employees and their families under the MOGE Employee-Centered CSR Program.
- Distributed Insight! Newsletter (Issue 45) and Doh Mann Myay Newsletter (Issue 19) to stakeholders across Mann Field.
- Maintained and regularly updated MPRL E&P's website as a key communication platform.

Key Highlights for the Month of February 2026

- Completed the construction of a concrete drainage system near Ma Kyee Chaung School.
- Initiated the installation of a 90 ft x 20 ft ceiling at Lay Eain Tan Basic Education Middle School.
- Monitored the routine cleaning of water filtration units and assessed the operational condition of handwashing stations across schools in Mann Field.
- Conducted crop monitoring, collected farming progress data, and provided ongoing support to farmers.
- Provided scholarship support to a total of 20 youths from Mann Field Communities.
- Announced summer programs and a reading habit promotion initiative for schoolchildren and youth.
- Delivered free healthcare services to 27,393 patients through 930 mobile clinic sessions.
- Conducted seven health education sessions on ‘Hypertension and Diabetes’ across Mann Field Communities.
- Initiated the Eye Health Program targeting schoolchildren and individuals aged above 60 in Mann Field Communities.
- Monitored regular waste collection services and supported cleanup activities led by the Trash Hero Minbu Chapter across Mann Field.
- Conducted regular maintenance of community compost stations in Mann Kyoe, Nan U, and Pauk Kone villages.
- Contributed MMK 30,000,000 to MOGE to support the second round of rice and cooking oil distribution under the MOGE Employee-Centered CSR Program.
- Distributed the quarterly CSR progress report to the Magway Regional Government and relevant stakeholders.
- Organized the monthly community volunteers meeting at Nan U Community Center and facilitated a series of stakeholder engagement meetings.
- Maintained and regularly updated MPRL E&P’s website as a key communication platform.

Key Highlights for the Month of March 2026

- Completed the installation of a 90 ft x 20 ft ceiling at Lay Eain Tan Basic Education Middle School.
- Completed additional construction work at Ywar Thar Village Community Center (Library).
- Monitored routine cleaning of water filtration units and assessed the operational condition of handwashing stations across schools in Mann Field Communities.
- Provided requested books to the Pann Alingar Library and Bawa Tet Lann Library located at Mann Kyoe and Nan U Community Centers.
- Conducted crop monitoring, collected farming progress data, and provided ongoing support to farmers.
- Provided scholarship support to a total of 20 youths from Mann Field Communities.
- Attended the graduation ceremony of Batch-13 scholars at No.5 ITC (Magway) and organized an information-sharing session for Batch-14 scholarship applicants.
- Launched two basic art classes and one refresher art class for schoolchildren in Mann Field Communities.
- Delivered free healthcare services to 28,038 patients through 952 sessions under the Mobile Clinic Program.
- Completed preliminary eye screening for 117 selected patients from Mann Field Communities, providing essential eye care services for schoolchildren and elderly individuals aged 60 and above.
- Addressed one OGM case from Chin Taung Village.
- Monitored regular waste collection services and supported cleanup activities led by the Trash Hero Minbu Chapter across Mann Field Communities.
- Conducted regular maintenance of community-managed compost station pilot projects in Mann Kyoe, Nan U, and Pauk Kone Villages.
- Contributed MMK 7,531,500 to support a need-based scholarship program for children of MOGE employees.
- Published Insight! Newsletter (Issue 46), Doh Mann Myay Newsletter (Issue 20), and Community Grievance Mechanism Reports for the fourth quarter of Fiscal Year 2025-2026 in both English and Myanmar languages.
- Maintained and regularly updated MPRL E&P's website as a key communication platform.

10.6 Social Performance Updates (October 2025 - March 2026)

10.6.1 Community Infrastructure Development

MPRL E&P remains committed to strengthening community infrastructure across Mann Field by ensuring that facilities are appropriately located, responsive to current needs, and adaptable to evolving community priorities. The company continues to emphasize community participation to build local capacity in planning, design, implementation, and maintenance, while maximizing the use of locally available resources.

Between October 2025 and March 2026, the CSR Program implemented a wide range of infrastructure initiatives across Mann Field communities, focusing on water access, sanitation, education facilities, and community spaces.

Strategic Milestones

October 2025

- **02 October:** Contributed flower plants and pots to Lay Eain Tan Basic Education Middle School (MPRL E&P's contribution: MMK 345,100).
- **24 October:** Completed construction of a bamboo-woven multi-purpose structure at the former library site in Ywar Thar Village (MPRL E&P's contribution: MMK 3,160,050).
- **28 October:** Delivered 30 steel armchairs to Mei Bayt Kone Village for religious and social events (MPRL E&P's contribution: MMK 3,510,000).
- **Monthly:** Provided clean drinking water to Auk Kyaung Basic Education Primary School.
- **Maintenance:** Renovated suggestion boxes and noticeboards across 14 Mann Field Communities.

November 2025

- **06 November:** Provided a wooden lectern to Kyar Kan Basic Education Middle School (MPRL E&P's contribution: MMK 230,000).
- **07 November:** Completed construction of a twin-pit toilet at the Dhamayone in Auk Kyaung Village (MPRL E&P's contribution: MMK 5,967,200 and the Community's contribution: MMK 600,000).

December 2025

- **17 December:** Completed construction of a public toilet (MPRL E&P's contribution: MMK 4,757,100) and community garden (MPRL E&P's contribution: MMK 3,560,000 and the Community's contribution: MMK 902,000) near the Mann Kyoe Village Community Center.

- **30 December:** Completed a concrete approach road and drainage system in Aye Mya Village (MPRL E&P's contribution: MMK 7,671,940 and the Community's contribution: MMK 1,225,000).

- **30 December:** Completed a concrete water tank and a solar-powered water pumping system in Let Pan Ta Pin Village (MPRL E&P's contribution: MMK 10,605,900 and the Community's contribution: MMK 963,000).

January 2026

- **20 January:** Completed a water well drilling, a concrete water tank, and a solar-powered water pumping system in Chin Taung Village (MPRL E&P's contribution: MMK 12,130,850 and the Community's contribution: MMK 1,698,000).

February 2026

- **10 February:** Completed construction of a concrete drainage system near Ma Kyee Chaung School (MPRL E&P's contribution: MMK 12,940,400 and the Community's contribution: MMK 1,933,000).

March 2026

- **09 March:** Completed the 90 ft x 20 ft ceiling installation at Lay Eain Tan Basic Education Middle School (MPRL E&P's contribution: MMK 12,130,850 and the Community's contribution: MMK 1,698,000)

- **20 March:** Completed the concrete flooring and sunshade installation at the former library site in Ywar Thar Village (MPRL E&P's contribution: MMK 1,790,800 and the Community's contribution: MMK 178,800).

- **22 March:** Provided requested books to Pann Alingar Library and Bawa Tet Lann Library, located at the Mann Kyoe and Nan U Community Centers.

Ongoing and General Reporting Period Activities

- Conducted regular monitoring of water filtration units and handwashing stations across schools in Mann Field Communities.

- Collected damaged water filtration units for replacement, particularly as newer systems are being introduced by the Ministry of Education.

- Cleaned solar panels supported by MPRL E&P's CSR Program in Mann Field Communities.

Figure 65: Supplying Plants and Pots to Lay Eain Tan Green Schoolyard

Figure 66: Providing Steel Armchairs to Mei Bayt Kone Village

Figure 67: Completing the Construction of a Bamboo-Woven Structure at the Former Library Site in Ywar Thar Village

Figure 68: Monitoring Visits to Track Progress of Infrastructure Projects in Let Pan Ta Pin and Mann Kyoe Villages

Figure 69: Completing Twin-pit Toilet Construction at Auk Kyaung Dhamayone

Figure 70: Providing a Wooden Lectern to Kyar Kan Basic Education Middle School

Figure 71: Monitoring the Progress of Community Infrastructure Projects in Mann Kyoe and Auk Kyaung Villages

Figure 72: Completing Public Toilet and Community Garden Construction in Mann Kyoe Village

Figure 73: Completing Concrete Approach Road Construction and Drainage System in Aye Mya Village

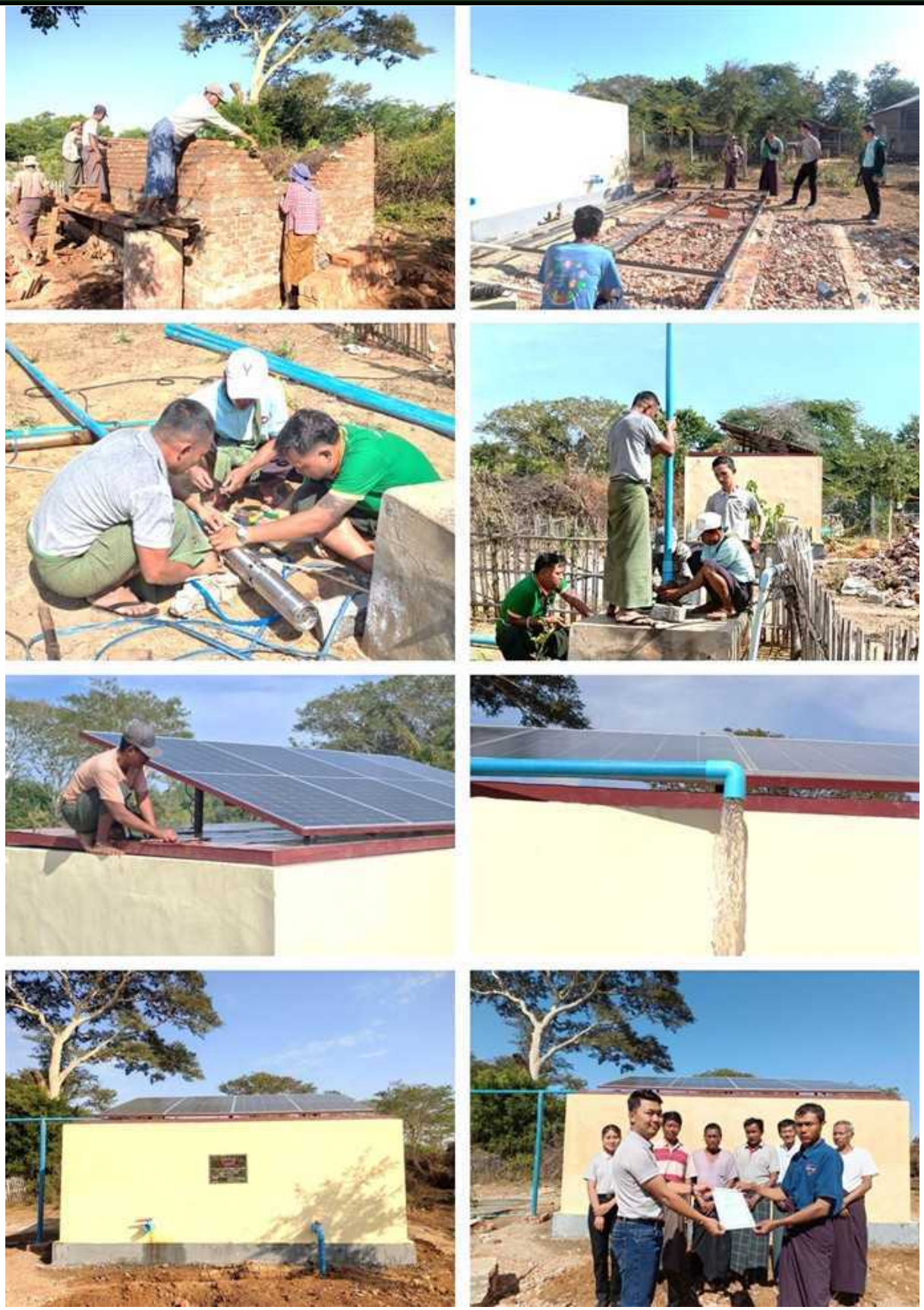


Figure 74: Completing Concrete Water Tank Construction and Solar-Powered Water Pumping System in Let Pan Ta Pin Village

Figure 75: Monitoring Water Well Drilling, Concrete Water Tank Construction and Solar-Powered Water Pumping System in Chin Taung Village

Figure 76: Completing Water Well Drilling, Concrete Water Tank Construction, and Solar-Powered Water Pumping System Installation at Chin Taung Village

Figure 77: Completing Concrete Drainage System near Ma Kyee Chaung School

Figure 78: Completing Ceiling Installation at Lay Eain Tan Basic Education Middle School

Figure 79: Completing Concrete Flooring and Sunshade Installation at the Former Library Site in Ywar Thar Village

10.6.2 Community Livelihood Development

MPRL E&P's CSR Program continues to support sustainable community livelihoods through targeted interventions in agriculture, horticulture, and livestock management. These initiatives aim to enhance agricultural productivity, strengthen household food security, and improve farmers' access to resources, technologies, and markets. The Program also emphasizes the development of crop value chains and the promotion of community-based resource management, contributing to long-term economic resilience.

Between October 2025 and March 2026, the CSR Team conducted continuous monitoring, technical support, and coordination activities across Mann Field communities, with a particular focus on tomato, chickpea, and sunflower cultivation under the Seed Bank Program.

Strategic Milestones

- **Strengthened Farmer Participation and Support**

  Through the CSR-supported Seed Bank Program, 22 farmers cultivated tomatoes on 6.3 acres, receiving continuous engagement, technical guidance, and coordination with Seed Bank Committees to ensure effective implementation.

- **Sustained Technical Assistance and Monitoring**

  The CSR Team conducted regular field visits, collected crop data, and provided hands-on technical support, enabling farmers to optimize crop management and adapt to weather-related challenges.

- **Increased Agricultural Productivity**

  Despite early impacts from unstable weather conditions, total tomato production steadily increased, reaching 38,700 viss by March 2026.

- **Progressive Harvesting and Improved Coordination**

  Harvesting expanded from 4 farmers in October to full participation (22 farmers) by January, reflecting improved planning, coordination, and adoption of recommended practices.

- **Market Dynamics and Income Variability**

  Tomato prices fluctuated between MMK 1,200 and MMK 5,000 per viss, illustrating market variability and its influence on farmer income.

- **Enhanced Agricultural Planning and Input Management**

  The CSR Program facilitated timely planning and distribution of sunflower seeds, ensuring organized access to inputs and supporting seasonal agricultural cycles.

- **Promotion of Crop Diversification and Resilience**

  Monitoring and support were expanded to include sunflower and chickpea cultivation, contributing to diversified livelihoods and increased resilience for participating farmers.

- **Strengthened Data-Driven and Community-Based Approaches**

  Systematic documentation of crop performance and close collaboration with farmers enhanced decision-making, fostered community ownership, and supported the long-term sustainability of the Program.

Figure 80: Monitoring Tomato Cultivation Progress in Mann Field

Figure 81: Monitoring Tomato, Chickpea, and Sunflower Harvesting Progress in Mann Field

10.6.3 Educational Partnership Program

MPRL E&P's CSR Program actively supports youth skill development and higher education in Mann Field Communities through structured scholarship initiatives. The Program provides financial assistance, technical guidance, and logistical support to help students pursue technical and vocational education or higher education programs. Formal agreements with Technical and Vocational Education and Training (TVET) institutions and other institutions ensure students receive supervised training, practical skill development, and mentorship, enabling them to improve employability, professional behaviors, and career readiness. These initiatives empower youth to enter the workforce confidently or establish small businesses, contributing to long-term community development and economic resilience.

Between October 2025 and March 2026, the CSR Program supported 24 youths across multiple institutions, including No.5 Industrial Training Center (ITC – Magway), State Agriculture and Livestock Institute (SALI – Pwint Phyu), University of Medicine (Magway), Yezin Agricultural University, and Myanmar Mercantile Marine College. The CSR Team actively managed scholarship applications, enrollment, training facilitation, and academic monitoring.

Strategic Milestones

- **October 2025 – Scholarship Application Support**

  The CSR Team managed the full application process for a three-month welding course at No.5 ITC (Magway), including public announcements, distribution and collection of forms, and arranging transportation for four youths to attend entrance interviews.

  Two former scholarship students were supported in preparing for the Yezin Agricultural University entrance exam for Academic Year 2025-2026.

  Program Reach: Total of nine scholarship recipients: eight in one-year programs at No.5 ITC, and one at University of Medicine (Magway).

- **November 2025 – Enrollment and Training Initiation**

  Scholarship agreements were facilitated, and four youths began the three-month welding course at No.5 ITC. Enrollment support was provided for nine students at SALI (Pwint Phyu).

  Program Reach: Total of 22 scholarship recipients: eight in one-year programs at No.5 ITC (Magway), four in the three-month welding course at No.5 ITC (Magway), nine at SALI (Pwint Phyu), and one at University of Medicine (Magway).

- **December 2025 – Expansion of Scholarship Support**

  New scholarship agreements were signed for students enrolled in:

  - Fourth year, University of Medicine (Magway)
  - Third year, Bachelor of Agricultural Science, Yezin Agricultural University
  - First year, Diploma in Maritime Technology, Myanmar Mercantile Marine College
  - Program Reach: Total of 24 scholarship recipients across all programs.

- **January 2026 – Course Completion and Scholarship Announcement**

  Four trainees completed the three-month welding course at No.5 ITC (Magway), receiving completion certificates on 30 January.

  Announcement of Batch-14 one-year industrial skills course at No.5 ITC (Magway) was shared across 16 Mann Field Communities through Village Administrators, Community Volunteers, and public noticeboards.

- **February 2026 – Academic Monitoring**

  The CSR Team continued monitoring academic progress and ensuring compliance with program requirements for all scholarship recipients: eight students in one-year industrial skills programs at No.5 ITC (Magway), nine at SALI (Pwint Phyu), and one each at University of Medicine (Magway), Yezin Agricultural University, and Myanmar Mercantile Marine College.

- **March 2026 – Graduation and Next Intake Preparation**

  Eight trainees from Batch-13 at No.5 ITC (Magway) successfully completed the one-year industrial skills training course, with the CSR Program facilitating transportation to the graduation ceremony and certificate distribution.

  An information sharing session for Batch-14 applicants was held at Nan U Community Center, delivered by Batch-13 graduates, covering campus life, training experiences, interview preparation, and scholarship program details. The CSR Team also supported scholarship applicants with the school admission process for the upcoming intake.

Figure 82: Monitoring Academic Performance and Exam Results of No.5 ITC (Magway) Scholarship Trainees

Figure 83: Providing Scholarship Support to Youth from Mann Field Communities

Figure 84: Providing Scholarship to Youth for Attending at Myanmar Mercantile Marine College, University of Medicine (Magway) and Yezin Agricultural University

Figure 85: Completion of Three-Month Welding Skills Course at No.5 ITC (Magway)

Figure 86: Completion of One-Year Industrial Skills Course at No.5 ITC (Magway)

Figure 87: Organizing Information Sharing Session for Batch-14 Scholarship Applicants

10.6.4 Community Capacity Building

Capacity building and knowledge-sharing form a key component of MPRL E&P's CSR initiatives in Mann Field. These activities aim to strengthen community mobilization, enhance local resource management, and ensure the successful implementation and sustainability of development projects. Targeted beneficiaries include Community Volunteers, Village Administrators, Village Development Committees, households, and schools. By equipping community members with relevant skills and competencies, the Program fosters greater self-reliance, social cohesion, and resilience in facing economic and social challenges.

Between October 2025 and March 2026, the CSR Team implemented a series of capacity building and knowledge-sharing activities designed to develop essential skills, promote creativity, and support inclusive local development.

Strategic Milestones

November 2025

- **Outdoor Classroom Day:** Organized an "Outdoor Classroom Day" at Ma Kyee Chaung Basic Education Middle School, engaging 506 participants including students, teachers, parents, and volunteers. The event featured hands-on activities designed to promote teamwork, problem-solving, resilience, creativity, and exploration, highlighting the importance of outdoor learning for children's holistic development. The program cost was MMK 2,691,950, fully funded by the CSR Program.

- **Volunteer Capacity Building:** Conducted coaching for a prospective Community Volunteer in Chin Taung Village covering CSR fundamentals, community needs, stakeholder engagement, and the Operational Grievance Mechanism (OGM).

December 2025

- **Staff and Volunteer Coaching:** Delivered sessions for CSR Field Staff on effective interview techniques and using digital tools, and provided phone etiquette training for Community Volunteers to strengthen communication and engagement skills.

February 2026

- **Summer Program Announcements:** Shared information about basic computer training, art classes, and handmade button classes via Community Volunteers, Village Administrators, Village Development Committees, and notice boards.

- **Reading Habit Promotion:** Distributed 50 quiz questions to schoolchildren and youth to encourage reading, learning, and knowledge-building.

March 2026

- **Summer Art Classes:** Launched three art classes to enhance creativity and practical skills among children:
  - **Basic Art Class 1:** Mei Byat Kone Village, 16 trainees (23 March 2026 - 06 May 2026)
  - **Basic Art Class 2:** Mann Kyoe Community Center, 15 trainees (28 March 2026 - 03 May 2026)
  - **Refresher Art Class:** Kyar Kan Village, 17 trainees (23 March 2026 - 06 May 2026)

Figure 88: Conducting Knowledge Sharing Session for Community Volunteers

Figure 89: Organizing Outdoor Classroom Day Campaign at Ma Kyee Chaung Basic Education Middle School

Figure 90: Organizing Summer Art Classes for Children in Mann Field Communities

10.6.5 Community Healthcare Program

MPRL E&P's Mobile Clinic Program has been a core component of the CSR initiatives in Mann Field since October 2018, providing basic healthcare services and health education to underserved populations, including the elderly, women, and children. The Program is staffed by MPRL E&P's Camp Doctors, CSR Field Staff, and Community Volunteers, and aims to increase access to reliable medical care while promoting healthy practices within local communities.

Between October 2025 and March 2026, the Mobile Clinic Program operated across seven locations within Mann Field on a rotational basis, providing free healthcare services and targeted health education to residents. During this period, the CSR Program also implemented the third phase of the eye health program, delivering essential eye care services to schoolchildren and elderly community members.

Strategic Milestones

October 2025

- **Program Expansion:** The Mobile Clinic Program expanded to Ywar Thar Village on a biweekly schedule, increasing the total number of clinic locations to seven.
- **First Day of Operations:** Served 52 patients at the newly added location.
- **Community Coordination:** The CSR Team collaborated with Village Administrators, Village Development Committees, and Community Volunteers to identify suitable clinic sites and update schedules on noticeboards.
- **Patient Reach:** By 24 October, the Program had served 24,959 patients through 853 clinic sessions.

November 2025

- **Health Education:** On 23 November, a session on "HIV and AIDS" was conducted at Auk Kyaung Pagoda, led by Dr. Kyaw Ye Htut, reaching 205 participants, focusing on prevention awareness and healthy practices.
- **Patient Reach:** By 25 November, 25,671 patients had received free healthcare through 874 clinic sessions.

December 2025

- **Continued Services:** By 24 December, the Program had served 26,280 patients through 894 clinic sessions, maintaining operations across all seven Mann Field locations.

January 2026

- **Patient Reach:** By 25 January, 26,870 patients had been served through 912 clinic sessions.
- **Eye Health Program**: The CSR Team announced the eye health program for schoolchildren and individuals aged 60 and above, sharing information via Community Volunteers, Village Administrators, and public noticeboards.

February 2026

- **Patient Reach:** By 21 February, 27,393 patients had been served through 930 clinic sessions.
- **Health Education:** Seven sessions on "Hypertension and Diabetes" reached 243 participants across Kywe Cha, Aye Mya, Nan U, Kyar Kan, Lay Eain Tan, Let Pan Ta Pin, and Ywar Thar villages.
- **Eye Health Program Launch**: Provided eye examinations, eyeglasses, supplements, and eye drops, with referrals for advanced treatments as needed starting from 23 February.

March 2026

- **Patient Reach:** By 24 March, the Mobile Clinic Program had served 28,038 patients through 952 clinic sessions.
- **Eye Health Screening and Care:** Preliminary eye tests completed for 117 patients (schoolchildren and elders aged 60 and above), with immediate care including eyeglasses, supplements, and laser treatments. Referrals made for advanced procedures such as cataract and glaucoma surgeries, intraocular lens replacement, and corneal scraping. Surgical interventions are planned to be carried out following the Thingyan Water Festival.

Eye Health Program: Screening and Treatment Summary		
Description	**Elders 60+**	**Schoolchildren**
Patients Completing Eye Tests	114	3
Eye Glasses Provided	9	–
Supplements Provided	6	2
Supplements and Eyeglasses Provided	5	–
Supplements and Laser Treatment Provided	2	–
Cataract Surgeries Needed	85	–
Glaucoma Surgeries Needed	3	–
Cataract and Glaucoma Surgeries Needed	1	–
Cataract and Corneal Scraping Procedures Needed	1	–
Intraocular Lens Replacement Needed	1	–
Referred	1	1

Figure 91: Expanding Mobile Clinic Program to Ywar Thar Village on a Biweekly Basis





Figure 92: Organizing Mobile Clinic Program for Mann Field Communities

Number of Patients (21 February 2022 - 24 March 2026)

Village	Session	Male	Female	Total
Kyar Kan	192	1,307	4,581	5,888
Kywe Cha	192	1,599	4,352	5,951
Lay Eain Tan	194	1,380	4,360	5,740
Let Pan Ta Pin	186	1,086	3,855	4,941
Aye Mya	88	668	2,168	2,836
Nan U	90	556	1,760	2,316
Ywar Thar	10	116	250	366
Total	**952**	**6,712**	**21,326**	**28,038**

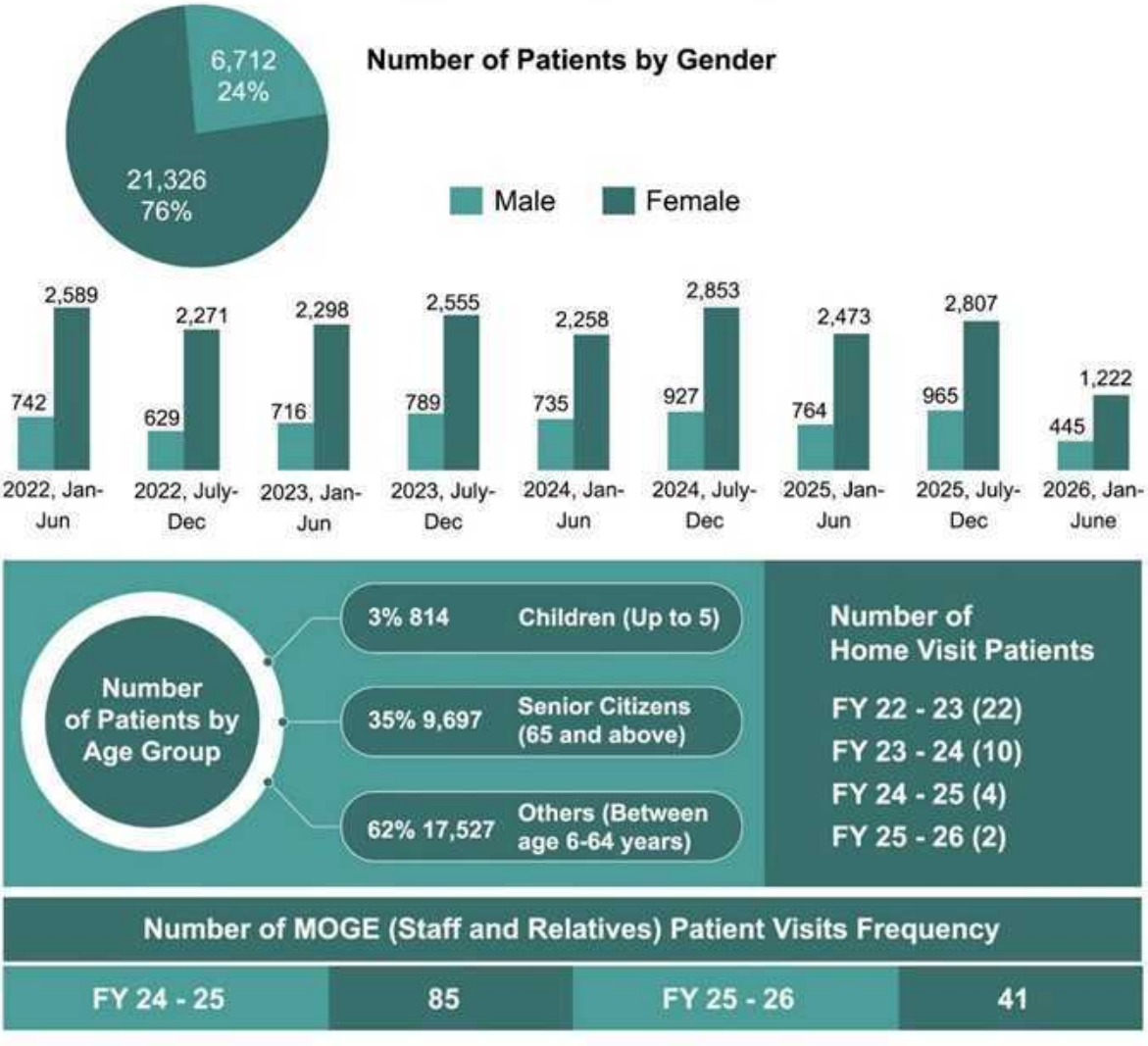


Figure 93: Statistics of Patients' Visit to Mobile Clinics around Mann Field

Figure 94: Organizing Health Education Session on HIV and AIDS for Mann Field Communities at Auk Kyaung Pagoda

Figure 95: Organizing Health Education Sessions on Hypertension and Diabetes

Figure 96: Organizing Eye Health Program for Mann Field Communities

10.6.6 Community-led Waste Management Program

MPRL E&P's Community-led Waste Management Program promotes sustainable waste practices across Mann Field Communities through a combination of awareness-raising, hands-on participation, and community-managed infrastructure. Since Fiscal Year 2020–2021, the Program has upgraded waste collection operations, including the introduction of a larger vehicle to accommodate growing participation and increased waste volumes. By fostering collective action on proper waste disposal, recycling, and composting, the Program aims to build cleaner, healthier, and more environmentally responsible communities while motivating stakeholders to contribute to long-term sustainable development.

Between October 2025 and March 2026, the CSR Team continued to monitor and support community-led waste management initiatives, including regular cleanup activities, operation of community-managed compost stations, and recognition of active participants under the Trash Hero Cleanup Challenge Program.

Strategic Milestones

October 2025

- **Cleanup & Knowledge Sharing:** Organized the first Trash Hero Minbu activity in Kyar Kan Village. With 50 active participants, the initiative successfully integrated community cleanup effort with knowledge-sharing session on environmental sustainability.
- **Community Cleanup Activities:** Trash Hero Minbu Chapter conducted three sessions with 137 participants, collecting 95 kg of waste.
- **CSR Support:** Provided cleanup equipment, refreshments, and technical guidance.
- **Community Coordination:** Discussed the community-managed compost station maintenance with Village Administrators, Village Development Committees, and Community Volunteers in Mann Kyoe and Nan U Villages.

November 2025

- **Ongoing Cleanup Activities:** Trash Hero Minbu Chapter conducted four cleanup sessions, engaging 144 participants and collecting 95 kg of waste.
- **Community Infrastructure:** Coordinated roadside cemetery cleanup between Auk Kyaung and Nan U Villages and installed a signboard to prevent illegal dumping.

- **Trash Hero Cleanup Challenge Awards:** Milestone recognition included T-shirts for participants completing 10 sessions, caps for 20 sessions, and raincoats for 30 sessions. By 21 November, a total of 176 T-shirts, 75 caps, and 25 raincoats had been distributed.

December 2025

- **Compost Station Monitoring:** The CSR Team continued supervision of Mann Kyoe and Nan U compost stations.
- **Compost Station Project:** Launched the community-managed compost station pilot project in Pauk Kone Village, engaging 50 households with knowledge-sharing sessions, reusable waste collection bags, and composting demonstrations.
- **Cleanup Activities:** Trash Hero Minbu Chapter conducted two sessions, engaging 118 participants and collecting 320 kg of waste.
- **Trash Hero Cleanup Challenge Awards:** 178 participants received T-shirts (10 sessions), 76 caps (20 sessions), and 26 raincoats (30 sessions).

January 2026

- **Compost Harvesting & Distribution:** Conducted at Nan U Village to promote organic waste recycling.
- **Pauk Kone Compost Expansion:** Added a new site with household engagement, waste collection bags, and hands-on composting demonstration.
- **Cleanup Activities:** Trash Hero Minbu Chapter conducted three sessions across five villages, engaging 137 participants and collecting 95 kg of waste.
- **Trash Hero Cleanup Challenge Awards:** 181 participants (10 sessions), 79 (20 sessions), 28 (30 sessions).

February 2026

- **Compost Station Operations:** Continued monitoring at Mann Kyoe, Nan U, and Pauk Kone Villages; 2,520 kg of compost fertilizer produced and distributed to 13 community members at Nan U station.
- **Cleanup Activities:** Trash Hero Minbu Chapter conducted three sessions, engaging 83 participants and collecting 60 kg of waste.
- **Trash Hero Cleanup Challenge Awards:** 182 participants (10 sessions), 83 (20 sessions), 30 (30 sessions).

March 2026

- **Monitoring & Evaluation:** Regular monitoring of compost stations in Mann Kyoe and Aye Mya Villages, collecting data on household participation.
- **Cleanup Activities:** Trash Hero Minbu Chapter conducted six sessions with 103 participants, collecting 80 kg of waste.
- **Trash Hero Cleanup Challenge Awards:** 184 participants (10 sessions), 84 (20 sessions), 34 (30 sessions).
- **Waste Collection Service Monitoring:** Regularly monitored and supported waste collection service operating across Mann Field Communities to ensure effective operations and community engagement.

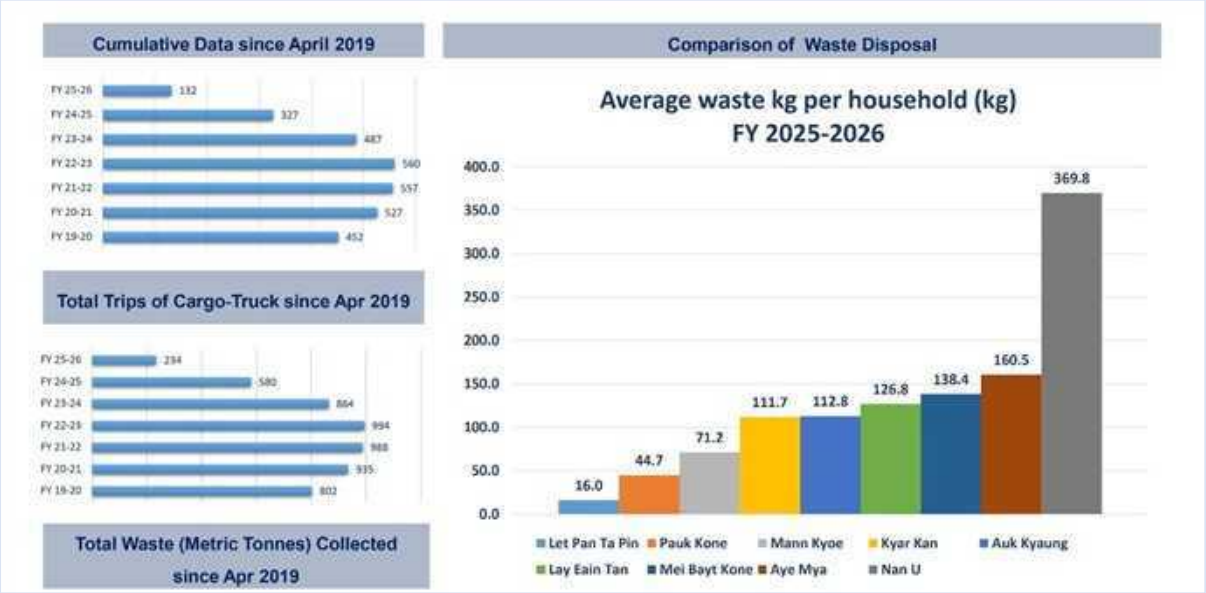


Figure 97: Comparison of Waste Disposal (Quarterly)

Figure 98: Monitoring Waste Collection Service Operating in Mann Field Communities

Figure 99: Expanding Trash Hero Minbu Cleanup Activities to Kyar Kan Village


I'M A TRASH HERO


TRASH HERO


TRASH HERO
MINBU


TRASH


I'M A TRASH HERO


TRASH HERO
MINBU


TRASH HERO
MINBU

Figure 100: Organizing Trash Hero Minbu's Cleanup Activities in Mann Field

Figure 101: Monitoring the Operation and Maintenance of Community-Managed Compost Stations in Mann Kyoe and Nan U Villages

Figure 102: Introducing Community-Managed Compost Station Pilot Project in Pauk Kone Village

Figure 103: Conducting Compost Harvesting and Distribution Activities with the Nan U Community

10.6.7 Operational Grievance Mechanism

MPRL E&P values its host communities and recognizes that transparency and two-way communication are essential for building trust, fostering partnerships, and maintaining a social license to operate. The Operational Grievance Mechanism (OGM) in Mann Field, jointly led by MPRL E&P, host communities, and the Myanma Oil and Gas Enterprise (MOGE), provides a structured platform for community members to raise concerns and receive timely responses.

Between October 2025 and March 2026, three OGM cases were reported and successfully resolved, demonstrating continued responsiveness and effectiveness of the mechanism. Since the OGM establishment in September 2014, the mechanism has received 196 cases, all resolved to the satisfaction of the complainants.

Strategic Milestones

- On 14 November 2025, U Kyaw San from Lay Eain Tan Village reported that water from GOCS 2 was overflowing and entering his farmland, and requested inspection and repair. The Community Volunteer reported the case to CSRA-02, who subsequently informed the MPRL E&P Field Operations Team for inspection and follow-up. On 15 November 2025, the CSR Team and the Field Operations Team jointly conducted a site inspection. The inspection confirmed that there was no leakage from the GOCS 2 water source, and that the water observed in the complainant's farmland was residual rainwater. The findings were clearly explained to the complainant by both the Field Operations Team and the CSR Team. The complainant expressed satisfaction with the investigation process and the outcome.
- On 24 December 2025, U Thein Than and Daw Thida Oo from Chin Taung Village reported that their farmland located near the newly constructed causeway was affected by dust generated during construction activities, resulting in crop damage. The case was reported by a Community Volunteer to CSRA-02, who subsequently escalated it to MPRL E&P's Field Operations Team and MOGE for inspection and follow-up actions. On 25 December 2025, the MOGE CSR Coordinator confirmed that discussions would be conducted and feedback would be provided to the affected farmers and the Village Administrator.
- On 12 March 2026, U Naing Lin from Chin Taung Village reported that shut-in well #60 located on his farmland was producing hot water, making cultivation difficult. The case was initially reported by a Community Volunteer to CSRA-03, who subsequently informed the MPRL E&P Field Operations Team for inspection and further action. Following this, the CSR Team and Field Operations Team conducted a site inspection and confirmed that the well stump was not visible at the location. It was assessed that exposing the well stump would require pumping out the water and undertaking excavation under

challenging conditions. The Field Operations Team explained that proceeding with such work would not be practical under the current circumstances. This explanation was communicated to the complainant, who expressed satisfaction with both the process and the outcome.

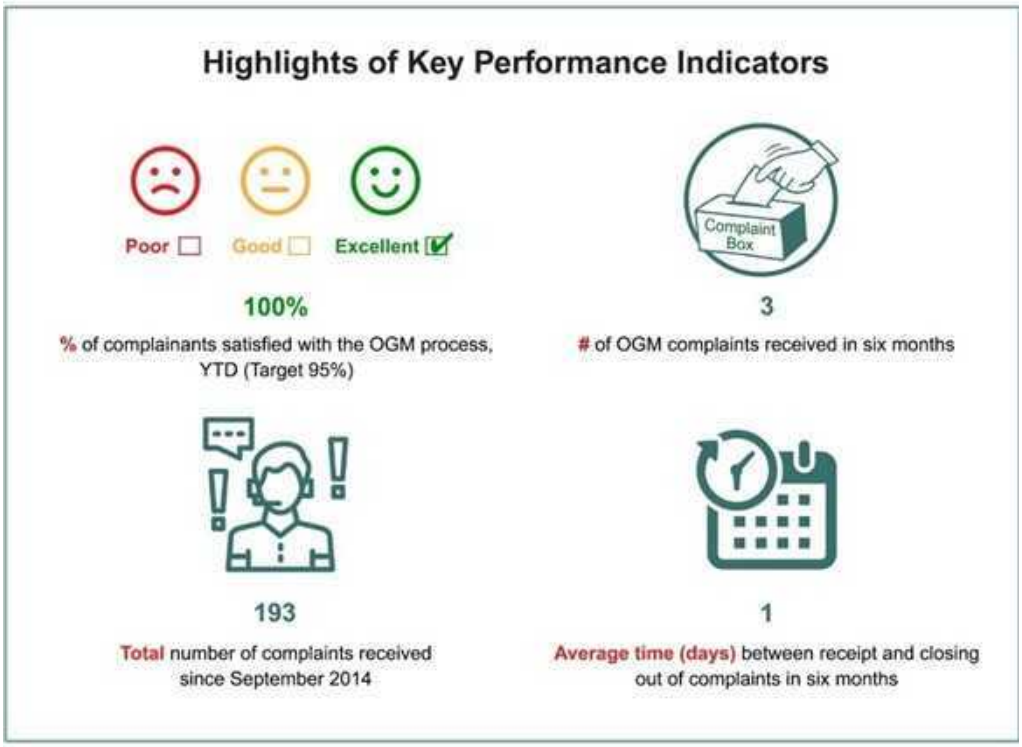


Figure 104: Key Performance Indicators of OGM in Mann Field

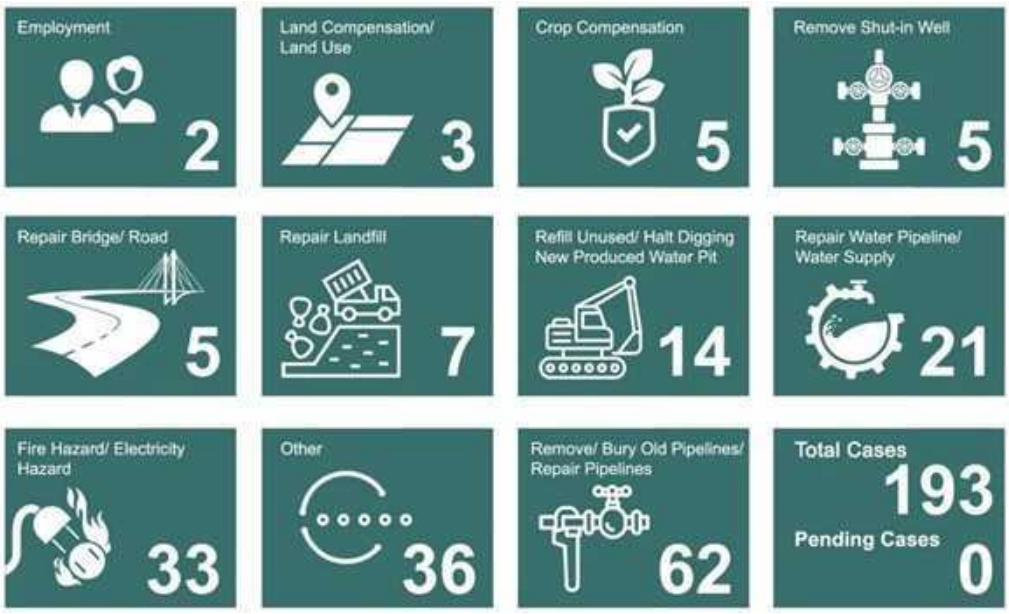


Figure 105: Received and Closed Cases, by Quarter, 2014-to-date

Figure 106: Addressing OGM Case in Lay Eain Tan Village

Figure 107: Addressing First OGM Case in Chin Taung Village

Figure 108: Addressing Second OGM Case in Chin Taung Village

10.6.8 Stakeholder Engagement and Information Disclosure

Engaging with stakeholders is a fundamental component of MPRL E&P's approach to responsible operations, human rights management, and access to remedy. Regular and transparent communication with communities and key stakeholders at field, community, and regional levels ensures the existence of effective two-way communication channels and supports informed participation in CSR initiatives.

Between October 2025 and March 2026, the CSR Team maintained active engagement with stakeholders through consultations, coordination meetings, reporting, and information dissemination to support the effective implementation of CSR programs in Mann Field Communities.

Strategic Milestones

October 2025

- **Community Needs Assessment:** Conducted across Mann Field Communities to prepare the Fiscal Year 2026-2027 CSR Work Programs, including distribution and collection of assessment forms, guidance to Village Administrators, Village Development Committees, and Community Volunteers, and follow-up field visits for validation.
- **Stakeholder Engagement & Reporting:** Submitted periodic reports to the MOGE Director (Mann Field).
- **Community Volunteers Meeting:** Organized the monthly meeting at Nan U Community Center to share program updates and strengthen coordination.

November 2025

- **Government Engagement:** Provided a social management update to the Environmental Conservation Department (ECD – Magway) during their field visit. Facilitated site inspections of the Mobile Clinic and solar-powered water supply project in Let Pan Ta Pin Village, and supported discussions with local stakeholders.
- **Project Initiation Consultations:** Conducted stakeholder meetings with Village Development Committees to initiate infrastructure projects in Aye Mya and Chin Taung Villages.
- **Community Engagement:** Held the monthly Community Volunteers meeting.
- **Information Sharing:** Distributed key publications, including Doh Mann Myay Newsletter, Insight! Newsletter, and Quarterly CSR Progress Reports, to the Magway Regional Government and relevant stakeholders.

December 2025

- **Ongoing Stakeholder Engagement:** Continued coordination with Village Development Committees to support the initiation of infrastructure projects in Aye Mya and Chin Taung Villages.
- **Community Coordination:** Engaged with Village Administrators, Village Development Committee members, and Community Volunteers from Mann Kyoe and Nan U Villages to support the maintenance of community-managed compost stations.
- **Community Volunteers Meeting:** Conducted the monthly coordination meeting.
- **Publications:** Published Insight! Newsletter (Issue 45), Doh Mann Myay Newsletter (Issue 19), and Quarterly OGM Reports in both English and Myanmar languages.

January 2026

- **Community Volunteers Meeting:** Organized the monthly meeting at Nan U Community Center.
- **Infrastructure Project Consultations:** Conducted stakeholder consultations with Village Development Committees to initiate infrastructure projects in Ma Kyee Chaung and Lay Eain Tan Villages.
- **Community Engagement:** Supported compost station activities through engagement with stakeholders in Nan U and Pauk Kone Villages.
- **Grievance Management:** Facilitated the closure of an Operational Grievance Mechanism (OGM) case in coordination with affected farmers and MOGE representatives.
- **Stakeholder Relations:** Attended the opening ceremony of a tailoring training program organized by MOGE (Mann Field) and distributed newsletters, greeting cards, and calendars to communities and regional stakeholders.

February 2026

- **Health Program Coordination:** Collaborated with the Public Health Department (Minbu) to support planning and implementation of the eye health program, including patient selection, transportation arrangements, and community communication.

- **Community Volunteers Meeting:** Conducted the monthly meeting and distributed the Quarterly CSR Progress Report to the Magway Regional Government and stakeholders.

- **Stakeholder Consultations:** Conducted consultations on infrastructure project discussions in Lay Eain Tan Village, on compost station management**,** on a soil restoration initiative in Mann Kyoe Village and pipeline removal near Well 517.

- **Stakeholder Consultations:** Conducted consultations on infrastructure project initiation in Lay Eain Tan Village, compost station management, a soil restoration initiative in Mann Kyoe Village, and pipeline removal near Well 517.

March 2026

- **Ongoing Stakeholder Engagement:** Continued regular reporting to the MOGE Director (Mann Field) and coordination with Village Administrators, Village Development Committees, and Community Volunteers.

- **Program Implementation Support:** Supported logistics and communication for the eye health program and facilitated summer art classes and promoted community learning initiatives.

- **Project Development:** Initiated infrastructure discussions in Ywar Thar Village and continued promotion of composting and reading initiatives.

- **Community Volunteers Meeting:** Organized the monthly meeting at Nan U Community Center to share program updates and strengthen coordination.

- **Information Sharing and Reporting:**

  - Shared the completion report of the Lay Eain Tan School ceiling project with the Minbu Township Education Office and stakeholders.
  - Published Insight! Newsletter (Issue 46), Doh Mann Myay Newsletter (Issue 20), and Quarterly OGM Reports in both English and Myanmar languages.

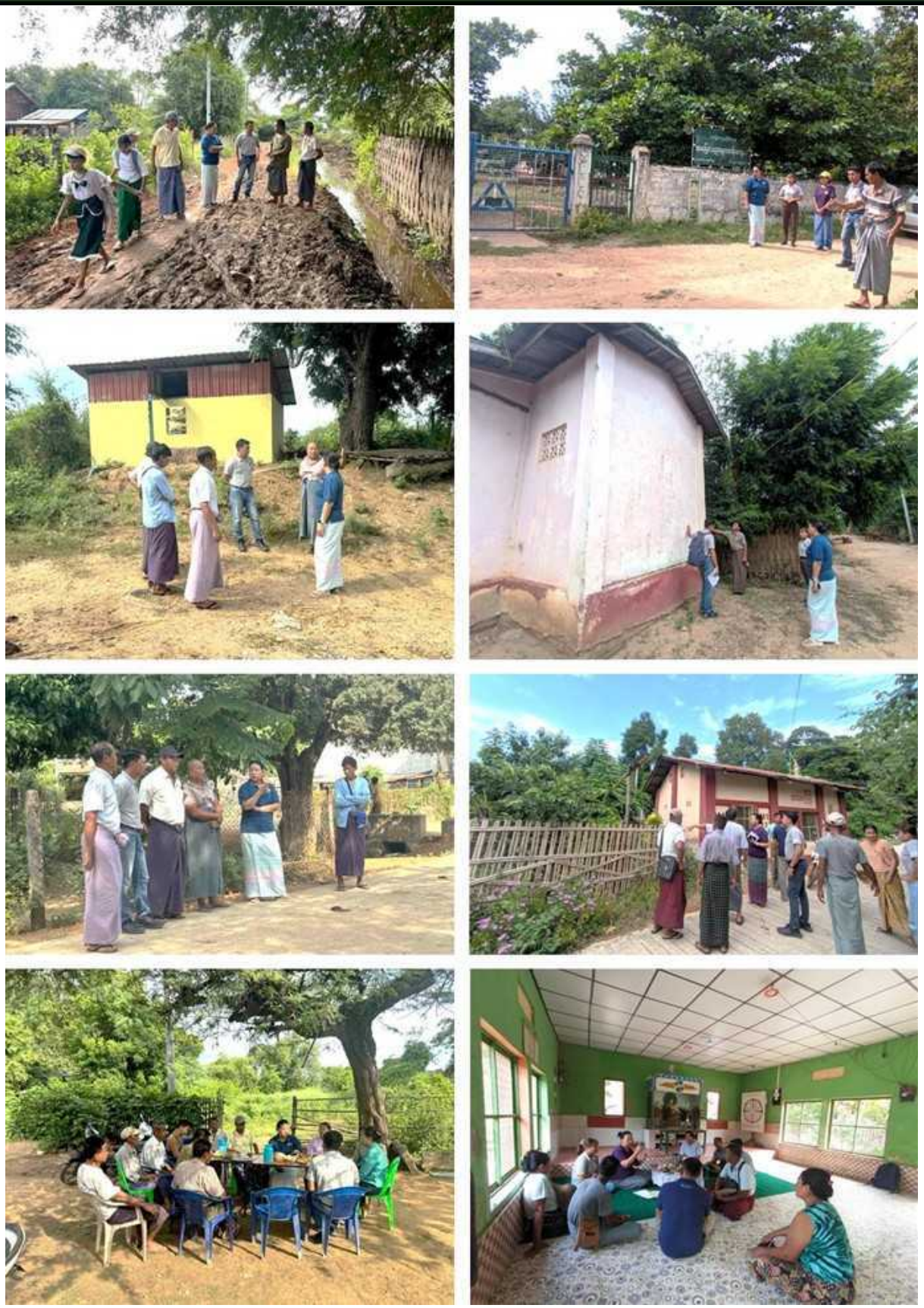


Figure 109: Conducting Community Needs Assessments with Village Development Committees for the Fiscal Year 2026-2027 CSR Work Programs

Figure 110: Providing Social Management Updates to the ECD (Magway) Team

Figure 111: Distributing Doh Mann Myay Newsletter (Issue 18) to Local Stakeholders

Figure 112: Distributing Insight! Newsletter (Issue 45), Doh Mann Myay Newsletter (Issue 19), Greeting Cards, and Calendars to Stakeholders

Figure 113: Organizing Monthly Volunteer Meeting at Nan U Community Center

Figure 114: Publishing Insight! Newsletter (Issue 45) and Doh Mann Myay Newsletter (Issue 19)

Figure 115: Publishing Insight! Newsletter (Issue 46) and Doh Mann Myay Newsletter (Issue 20)

10.6.9 Corporate Philanthropy

MPRL E&P remains committed to contributing to the well-being of its host communities through corporate philanthropy initiatives. These efforts are designed to support social causes and community development through donations, employee engagement, and contributions to cultural and religious activities. The Program reflects MPRL E&P's responsibility to create a positive and meaningful impact in the communities it serves.

Between October 2025 and March 2026, the CSR Program continued to support community needs through targeted philanthropic contributions.

Strategic Milestone

- **Kahtain Donations:** On 26 October 2025, the CSR Program offered Kahtain donations to 27 monasteries across Mann Field Communities. The contributions included robes, cash donations, rice, cooking oil, and other essential items, with a total value of MMK 10,000,000, supporting religious and cultural practices within the communities.




Figure 116: Offering Kahtain Donations to Monasteries in Mann Field Communities

10.6.10 MOGE Employee-Centered CSR Program

MPRL E&P continues to implement the MOGE Employee-Centered CSR Program, launched in FY 2024–2025, to support the well-being of MOGE employees and their families. The Program reflects MPRL E&P's commitment to responsible investment and inclusive development, extending beyond contractual obligations to address the social and welfare needs of employees. Key interventions include support for basic needs, education, healthcare, and skills development, as well as contributions to cultural and religious activities.

Between October 2025 and March 2026, MPRL E&P delivered a range of targeted support initiatives for MOGE (Mann Field) employees and their families under MOGE Employee-Centered CSR Program.

Strategic Milestones

- **October 2025 – Essential Support and Cultural Contribution:** On 26 October 2025, MPRL E&P provided MMK 30,000,000 to support the distribution of rice and cooking oil to MOGE (Mann Field) employees and their families. In addition, MMK 1,000,000 was contributed to the 56th Kahtain Robe Offering Ceremony, supporting cultural and religious practices.
- **November 2025 – Distribution Implementation:** On 06 November 2025, the CSR Team participated in the distribution of rice and cooking oil, ensuring effective and timely delivery of essential food supplies to employees and their families.
- **December 2025 – Capacity Building and Education Support:** On 06 December 2025, MPRL E&P contributed MMK 10,000,000 to support vocational and life skills training. On 20 December 2025, an additional MMK 8,000,000 was provided for maintenance and repair works at Basic Education High School (Eain Yar).
- **January 2026 – Learning and Healthcare Enhancement**: On 20 January 2026, MPRL E&P provided MMK 3,000,000 for library upgrading and MMK 5,000,000 for medicines and medical supplies, improving access to education and healthcare services.
- **February 2026 – Continued Essential Support:** On 22 February 2026, MPRL E&P contributed MMK 30,000,000 to support the second round of rice and cooking oil distribution, ensuring continued access to essential food supplies.
- **March 2026 – Scholarship Support:** On 14 March 2026, MPRL E&P contributed MMK 7,531,500 to support a need-based scholarship program for children of MOGE employees, strengthening access to education and future opportunities.

Figure 117: Contributing MMK 30,000,000 for the Provision of Rice and Cooking Oil to MOGE (Mann Field) Employees

Figure 118: Participating in the MOGE Event for Distribution of Rice and Cooking Oil to MOGE (Mann Field) Employees

Figure 119: Contributing MMK 10,000,000 for Vocational and Life Skills Training and MMK 8,000,000 for Maintenance and Repair Works at Eain Yar High School

Figure 120: Contributing MMK 5,000,000 for Medicines and Medical Supplies, and MMK 3,000,000 for Library Upgrading

Figure 121: Contributing MMK 30,000,000 for the Second Round of Rice and Cooking Oil Distribution to MOGE (Mann Field) Employees

Figure 122: Contributing MMK 7,531,500 to Support a Need-Based Scholarship Program for Children of MOGE Employees

11. Conclusion

The twelfth Environmental Monitoring Report for the Mann Field EOR Project has been successfully completed, documenting field activities and self-environmental monitoring conducted over the six-month period from October 2025 to March 2026.

During this period, comprehensive self-environmental monitoring was carried out, covering air and noise quality at Z3AQN and Z4AQN, soil quality at Z3S1, Z3S2, Z4S1, and Z4S2, and water quality at Z3SW1, Z3SW2, Z3GW1, Z3GW2, Z4SW1, Z4SW2, and Z4GW2 within designated assessment areas. For baseline monitoring locations that were temporarily inaccessible, we plan to resume air, noise, soil, surface water, and groundwater quality assessments when conditions improve.

During our operations at Mann Field, we faced a range of opportunities and challenges. Enhanced security measures limited activities to daytime hours, increasing operational risks. Key concerns included oil reserve depletion, disruptions caused by pilfering, and logistical difficulties. Despite these obstacles, our commitment to environmental responsibility remained unwavering.

We closely monitored environmental impacts, actively engaged in Corporate Social Responsibility (CSR) and Health, Safety and Environment (HSE) initiatives, and nurtured a culture aligned with our organizational values. Our steadfast commitment to meeting Environmental Compliance Certificate (ECC) obligations reflects our dedication to regulatory compliance, goal achievement and continuous improvement.

12. Annex

Annex – 1 Laboratory Results

Annex – 1 Laboratory Results

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name : MPRL E & P Pte Ltd.

Sample Name : Z3AQN (Air Quality Analysis)

Sampling Date : 20-1-2026 to 21-1-2026 (24 Hours)

Reporting Date : 5-2-2026

Equipment Name : Haz-Scanner (920246) USA

No.	Parameter	Unit	Result	National Environmental Quality (Emission) Guidelines အပိုဒ်(၁.၁)	Remark
1	Carbon Monoxide (CO)	ppm	4.10816	-	
2	Carbon Dioxide (CO_2)	ppm	1385.89	-	
3	Hydrogen Sufide(H_2S)	mg/ m^3	0	-	
4	Nitrogen Oxide (NO)	µg/ m^3	47.36	200	
5	Nitrogen Dioxide (NO_2)	µg/ m^3	3.83	-	
6	Particulate Matter (PM_{10})	µg/ m^3	59.5640	50	
7	Relative Humidity (RH)	%	53.9653	-	
8	Sulphur Dioxide (SO_2)	µg/ m^3	0	20	

This report is only valid for the sample received.

Not a certificate of conformance
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Analysis By

Signature:

Name: (ခင်နီဝင်း)

Designation: ဦးစီးအရာရှိ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Approved By

Signature:

Name: (ဇော်မိုး)

Designation: ညွှန်ကြားရေးမှူး ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name : MPRL E & P Pte Ltd.

Sample Name : Z3AQN (20°13'21.73"N, 94°51'19.72"E)(Noise)

Analytical Date : 20-1-2026 to 21-1-2026

Reporting Date : 5-2-2026

Equipment Name : Sound Meter(EXTECH-SDL600)

Receptor	One Hour LAeq(dBA)*	
	Day Time 07:00- 22:00 (10:00- 22:00 for Public holidays)	Night Time 22:00- 07:00 (22:00-10:00 for Public holidays)
Residential	55	45
Industrial	70	70
Average Test Result	39	45

This report is only valid for the sample received.

Not a certificate of conformance

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Analysis By

Signature: .....

Name: .....

Designation: .....

Approved By

Signature: ..... (စောမိုး)

Name: .....

Designation: .....

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name : MPRL E & P Pte Ltd.

Sample Name : Z4AQN (Air Quality Analysis)

Sampling Date : 21-1-2026 to 22-1-2026 (24 Hours)

Reporting Date : 5-2-2026

Equipment Name : Haz-Scanner (920246) USA

No.	Parameter	Unit	Result	National Environmental Quality (Emission) Guidelines အဝိုဒ်(၁.၁)	Remark
1	Carbon Monoxide (CO)	ppm	3.42951	-	
2	Carbon Dioxide (CO_2)	ppm	470.117	-	
3	Hydrogen Sufide(H_2S)	mg/ m^3	0	-	
4	Nitrogen Oxide (NO)	µg/ m^3	58.455	200	
5	Nitrogen Dioxide (NO_2)	µg/ m^3	3.83	-	
6	Particulate Matter (PM_{10})	µg/ m^3	58.2629	50	
7	Relative Humidity (RH)	%	62.8754	-	
8	Sulphur Dioxide (SO_2)	µg/ m^3	2.211	20	

This report is only valid for the sample received.

Not a certificate of conformance

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Analysis By

Signature: .....

Name: .....

Designation: .....

Approved By

Signature: .....

Name: .....

Designation: .....

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name	:	MPRL E & P Pte Ltd.
Sample Name	:	Z4AQN (20°13'21.73"N၊ 94°51'19.72"E)(Noise)
Analytical Date	:	21-1-2026 to 22-1-2026
Reporting Date	:	5-2-2026
Equipment Name	:	Sound Meter(EXTECH-SDL600)

Receptor	One Hour LAeq(dBA)[a]	
	Day Time 07:00- 22:00 (10:00- 22:00 for Public holidays)	Night Time 22:00- 07:00 (22:00-10:00 for Public holidays)
Residential	55	45
Industrial	70	70
Average Test Result	47	43

This report is only valid for the sample received.

Not a certificate of conformance
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Analysis By

Signature: .....

Name: .....

Designation: .....

Approved By

Signature: ..... (ခေါ်မိုး)

Name: .....

Designation: ညွှန်ကြားရေးမှူး
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name	:	MPRL E & P Pte Ltd.
Sample Name	:	Z3S1 (Soil Sample)
Sampling Date	:	20-1-2026
Receiving Date	:	20-1-2026
Analytical Date	:	21-1-2026 to 28-1-2026
Reporting Date	:	5-2-2026
Equipment Name	:	Arsenic Test Kit, Palintest (SKW500), AAS (Atomic Absorbtion Spectrophotometer)

No.	Parameter	Unit	Result	Remark
1	pH	-	7.55	
2	Arsenic	mg/kg	0.005	
3	Lead(Pb)	mg/kg	1.119	
4	Cadmium (Cd)	mg/kg	0.334	
5	Copper (Cu)	mg/kg	0.664	
6	Zinc (Zn)	mg/kg	7.725	
7	Manganese (Mn)	mg/kg	15.61	
8	Iron (Fe)	mg/kg	41.08	

This report is only valid for the sample received.

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Analysis By

Signature:

Name: ([illegible])

Designation: လက်ထောက်ညွှန်ကြားရေးမှူး
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Approved By

Signature:

Name: ([illegible])

Designation: ညွှန်ကြားရေးမှူး
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name : MPRL E & P Pte Ltd.

Sample Name : Z3S2 (Soil Sample)

Sampling Date : 20-1-2026

Receiving Date : 20-1-2026

Analytical Date : 21-1-2026 to 28-1-2026

Reporting Date : 5-2-2026

Equipment Name : Arsenic Test Kit, Palintest (SKW500), AAS (Atomic Absorbtion Spectrophotometer),

No.	Parameter	Unit	Result	Remark
1	PH	-	7.39	
2	Arsenic	mg/kg	0.003	
3	Lead(Pb)	mg/kg	0.884	
4	Cadmium (Cd)	mg/kg	0.299	
5	Copper (Cu)	mg/kg	0.650	
6	Zinc (Zn)	mg/kg	6.828	
7	Manganese (Mn)	mg/kg	14.63	
8	Iron (Fe)	mg/kg	40.84	

This report is only valid for the sample received.

Not a certificate of conformance
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Analysis By

Signature:

Name:

Designation:

Approved By

Signature:

Name:

Designation:

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name : MPRL E & P Pte Ltd.

Sample Name : Z4S1 (Soil Sample)

Sampling Date : 20-1-2026

Receiving Date : 20-1-2026

Analytical Date : 21-1-2026 to 28-1-2026

Reporting Date : 5-2-2026

Equipment Name : Arsenic Test Kit, Palintest (SKW500), AAS (Atomic Absorbtion Spectrophotometer),

No.	Parameter	Unit	Result	Remark
1	PH	-	7.40	
2	Arsenic	mg/kg	0.003	
3	Lead(Pb)	mg/kg	1.329	
4	Cadmium (Cd)	mg/kg	0.320	
5	Copper (Cu)	mg/kg	2.457	
6	Zinc (Zn)	mg/kg	5.907	
7	Manganese (Mn)	mg/kg	21.63	
8	Iron (Fe)	mg/kg	42.24	

This report is only valid for the sample received.

Not a certificate of conformance
စံချိန်စံညွှန်းကိုက်ညီကြောင်း ထောက်ခံချက်မဟုတ်ပါ

Analysis By

Signature:

Name:

Designation:

Approved By

Signature:

Name: (ဇော်မိုး)

Designation: ညွှန်ကြားရေးမှူး
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Analysis Report

Ministry of Natural Resources and Environmental Conservation

Environmental Conservation Department

Magway Region

Customer Name	:	MPRL E & P Pte Ltd.
Sample Name	:	Z4S2 (Soil Sample)
Sampling Date	:	20-1-2026
Receiving Date	:	20-1-2026
Analytical Date	:	21-1-2026 to 28-1-2026
Reporting Date	:	5-2-2026
Equipment Name	:	Arsenic Test Kit, Palintest (SKW500), AAS (Atomic Absorbtion Spectrophotometer),

No.	Parameter	Unit	Result	Remark
1	pH	-	7.8	
2	Arsenic	mg/kg	0.004	
3	Lead(Pb)	mg/kg	1.217	
4	Cadmium (Cd)	mg/kg	0.318	
5	Copper (Cu)	mg/kg	2.585	
6	Zinc (Zn)	mg/kg	5.809	
7	Manganese (Mn)	mg/kg	21.18	
8	Iron (Fe)	mg/kg	42.31	

This report is only valid for the sample received.

Not a certificate of conformance
စံချိန်စံညွှန်းကိုက်ညီကြောင်း ထောက်ခံချက်မဟုတ်ပါ။

Analysis By

Signature: .....

Name: .....

Designation: .....

Approved By

Signature: .....(စောမိုး)

Name: .....

Designation: .....

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06034 | **Date: February 9, 2026**

Client Information		Sample Information	
Client Name :	MPRL E & P Pte Ltd	Sample ID :	26/01161
Organization :	-	Sample Name :	Z3SW1
Client ID :	-	Sample Type / Source :	Surface Water
Registration Date & Time :	22.1.2026	Sampling Date & Time :	21.1.2026; 9:55 AM
Contact :	09-5177819	Sample Location :	Minbu Township
Email :	han.m.aung@mprlexp.com	Latitude :	-
Testing Purpose :	For Monitoring	Longitude :	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Temperature[2]	26.6	°C	±3°[4]	-
2	Dissolved Oxygen[2]	7.84	mg/L	-	-
3	BOD_5[4]	4.3	mg/L	≤ 50[4]	Normal
4	Ammonia- Nitrogen[3]	0.21	mg/L	-	-
5	Copper[3]	0.4	mg/L	≤ 0.5[4]	Normal
6	Boron[3]	0.21	mg/L	-	-
7	Oil & Grease[3]	5	mg/L	≤ 10[4]	Normal
8	Total Nitrogen[3]	< 5	mg/L	-	-
9	Total Phosphorous[3]	3.4	mg/L	≤2[4]	Above the Limit

"ND" = Not Detected | "LOD" = Lower limit of detection | "-" = No Reference Standard

Tested by	Checked by	Approved by
Daw May [illegible] Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Ay[illegible] Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ALARM Ecological Laboratory

Microbiology Water Testing Result Report

Reference Number: EL (M)-R/2011 **Date: 4 February 2026**

Client Information

Client Name	:	MPRL E&P Pte Ltd
Organization	:	MPRL E&P Pte Ltd
Client ID	:	-
Registration Date & Time	:	22.1.2026
Contact	:	-
Email	:	-
Testing Purpose	:	For Monitoring

Sample Information

Sample ID	:	2011	
Sample Name	:	Z_3SW_1	
Sample Type / Source	:	Surface Water	
Sampling Date & Time	:	21.1.2026	9:55
Sample Location	:	Minbu Tsp	
Latitude	:	-	
Longitude	:	-	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Method	Drinking Standard	Remarks
1	Total plate count (CFU/mL)		Total plate count method	0	
2	Total coliform count (MPN/100 mL) (Presumption test)		Most Probable Number method	0	
3	Total faecal coliform count (MPN/100ml) (Presumption test)		Most Probable Number method	0	
4	Total coliform count (CFU/mL) (Confirm test)		Eosin Methyl Blue agar plate test	0	
5	Complete test for coliform bacteria		Gram staining test	-	
6	Total coliform count (CFU/mL)	900	Plate count method	0	
7	Total *E.coli* count (CFU/mL)	0	Plate count method	0	

Tested by	Checked by	Approved by
May Zaw Research Assistant ALARM	Aye Nyein Thu Research Assistant ALARM	Dr.Aye Aye Win Laboratory In_charged Ecological Laboratory,ALARM

No.121,Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township,Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

W0126 599

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Surface Water (Z3SW1)
Location	Minbu Township
Date and Time of collection	21-01-2026 (9:55 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis — **WHO Drinking Water Guideline (Geneva - 1993)**

Parameters	Result	Unit	Ref: Range
pH	8.0		6.5 - 8.5
Colour (True)	60	TCU	15 TCU
Turbidity	88	NTU	5 NTU
Conductivity	378	micro S/cm	
Total Hardness	124	mg/l as CaCO3	500 mg/l as $CaCO_3$
Total Alkalinity	176	mg/l as $CaCO_3$	
Total Suspended Solids	92	mg/l	
Fluoride (F)	0.5	mg/l	1.5 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	64	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr.Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06035 | **Date: February 9, 2025**

Client Information			Sample Information		
Client Name	:	MPRL E & P Pte Ltd	Sample ID	:	26/01162
Organization	:	-	Sample Name	:	Z3SW2
Client ID	:	-	Sample Type / Source	:	Surface Water
Registration Date & Time	:	22.1.2026	Sampling Date & Time	:	21.1.2026; 9:45 AM
Contact	:	09-5177819	Sample Location	:	Minbu Township
Email	:	han.m.aung@mprlexp.com	Latitude	:	-
Testing Purpose	:	For Monitoring	Longitude	:	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Temperature[2]	26	°C	±3* [4]	-
2	Dissolved Oxygen[3]	7.82	mg/L	-	-
3	BOD_5 [3]	4.7	mg/L	≤ 50 [4]	Normal
4	Ammonia- Nitrogen[3]	0.24	mg/L	-	-
5	Copper[3]	0.41	mg/L	≤ 0.5 [4]	Normal
6	Boron[3]	0.16	mg/L	-	-
7	Oil & Grease [3]	5	mg/L	≤ 10 [4]	Normal
8	Total Nitrogen[3]	< 5	mg/L	-	-
9	Total Phosphorous[3]	3.1	mg/L	≤2 [4]	Above the Limit

"ND" = Not Detected | "LOD" = Lower limit of detection | " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw May Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin That Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ALARM Ecological Laboratory

Microbiology Water Testing Result Report

Reference Number: EL (M)-R/2012 **Date: 4 February 2026**

Client Information

Client Name	:	MPRL E&P Pte Ltd
Organization	:	MPRL E&P Pte Ltd
Client ID	:	-
Registration Date & Time	:	22.1.2026
Contact	:	-
Email	:	-
Testing Purpose	:	For Monitoring

Sample Information

Sample ID	:	2012	
Sample Name	:	Z_5SW_2	
Sample Type / Source	:	Surface Water	
Sampling Date & Time	:	21.1.2026	9:45
Sample Location	:	Minbu Tsp	
Latitude	:	-	
Longitude	:	-	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Method	Drinking Standard	Remarks
1	Total plate count (CFU/mL)		Total plate count method	0	
2	Total coliform count (MPN/100 mL) (Presumption test)		Most Probable Number method	0	
3	Total faecal coliform count (MPN/100ml) (Presumption test)		Most Probable Number method	0	
4	Total coliform count (CFU/mL) (Confirm test)		Eosin Methyl Blue agar plate test	0	
5	Complete test for coliform bacteria		Gram staining test	-	
6	Total coliform count (CFU/mL)	800	Plate count method	0	
7	Total *E.coli* count (CFU/mL)	0	Plate count method	0	

Tested by	Checked by	Approved by
May Zaw Research Assistant ALARM	Aye Nyein Thu Research Assistant ALARM	Dr.Aye Aye Win Laboratory In_charged Ecological Laboratory,ALARM

No.121,Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township,Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd), Consultant (Y.C.D.C), LWSE 001
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

W0126 600

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Surface Water (Z3SW2)
Location	Minbu Township
Date and Time of collection	21-01-2026 (9:45 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis

WHO Drinking Water Guideline (Geneva - 1993)

Parameters	Result	Unit	Ref: Range
pH	7.8		6.5 - 8.5
Colour (True)	50	TCU	15 TCU
Turbidity	68	NTU	5 NTU
Conductivity	384	micro S/cm	
Total Hardness	132	mg/l as CaCO3	500 mg/l as $CaCO_3$
Total Alkalinity	160	mg/l as $CaCO_3$	
Total Suspended Solids	73	mg/l	
Fluoride (F)	0.6	mg/l	1.5 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	64	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name: Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name: Thinzar Theint Thoint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06036 | **Date: February 9, 2025**

Client Information		Sample Information	
Client Name : MPRL E & P Pte Ltd		Sample ID : 26/01163	
Organization : -		Sample Name : Z4SW1	
Client ID : -		Sample Type / Source : Surface Water	
Registration Date & Time : 22.1.2026;		Sampling Date & Time : 21.1.2026; 14:45 PM	
Contact : 09-5177819		Sample Location : Minbu Township	
Email : han.m.aung@mprlexp.com		Latitude : -	
Testing Purpose : For Monitoring		Longitude : -	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Temperature[2]	26.3	°C	±3°[4]	-
2	Dissolved Oxygen[1]	7.78	mg/L	-	-
3	BOD_5[3]	4.8	mg/L	≤ 50[4]	Normal
4	Ammonia- Nitrogen[1]	0.23	mg/L	-	-
5	Copper[1]	0.46	mg/L	≤ 0.5[4]	Normal
6	Boron[1]	0.12	mg/L	-	-
7	Oil & Grease[3]	6	mg/L	≤ 10[4]	Normal
8	Total Nitrogen[1]	< 5	mg/L	-	-
9	Total Phosphorous[1]	1.96	mg/L	≤2[4]	Normal

"ND" = Not Detected | "LOD" = Lower limit of detection | "-" = No Reference Standard

Tested by	Checked by	Approved by
Daw Mya Mya Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Myat Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ALARM Ecological Laboratory

Microbiology Water Testing Result Report

Reference Number: EL (M)-R/2013 **Date: 4 February 2026**

Client Information

Client Name	:	MPRL E&P Pte Ltd
Organization	:	MPRL E&P Pte Ltd
Client ID	:	-
Registration Date & Time	:	22.1.2026
Contact	:	-
Email	:	-
Testing Purpose	:	For Monitoring

Sample Information

Sample ID	:	2013	
Sample Name	:	Z_4SW_1	
Sample Type / Source	:	Surface Water	
Sampling Date & Time	:	21.1.2026	14:45
Sample Location	:	Minbu Tsp	
Latitude	:	-	
Longitude	:	-	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Method	Drinking Standard	Remarks
1	Total plate count (CFU/mL)		Total plate count method	0	
2	Total coliform count (MPN/100 mL) (Presumption test)		Most Probable Number method	0	
3	Total faecal coliform count (MPN/100ml) (Presumption test)		Most Probable Number method	0	
4	Total coliform count (CFU/mL) (Confirm test)		Eosin Methyl Blue agar plate test	0	
5	Complete test for coliform bacteria		Gram staining test	-	
6	Total coliform count (CFU/mL)	7600	Plate count method	0	
7	Total *E.coli* count (CFU/mL)	0	Plate count method	0	

Tested by	Checked by	Approved by
May Zaw Research Assistant ALARM	Aye Nyein Thu Research Assistant ALARM	Dr.Aye Aye Win Laboratory In_charged Ecological Laboratory,ALARM

No.121,Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township,Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: Lt Saw Christopher Maung
B.Sc Engg. (Civil), Dip S.E(Delft) Lecturer of YIT (Retd), Consultant (Y.C.D.C), LWSE 001
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

W0126 601

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Surface Water (Z4SW1)
Location	Minbu Township
Date and Time of collection	21-01-2026 (2:45 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis — **WHO Drinking Water Guideline (Geneva - 1993)**

Parameters	Result	Unit	Ref: Range
pH	8.1		6.5 - 8.5
Colour (True)	180	TCU	15 TCU
Turbidity	340	NTU	5 NTU
Conductivity	208	micro S/cm	
Total Hardness	88	mg/l as CaCO3	500 mg/l as $CaCO_3$
Total Alkalinity	92	mg/l as $CaCO_3$	
Total Suspended Solids	380	mg/l	
Fluoride (F)	0.7	mg/l	1.5 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	96	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr.Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06037 | **Date: February 9, 2026**

Client Information		Sample Information	
Client Name : MPRL E & P Pte Ltd		Sample ID : 26/01164	
Organization : -		Sample Name : Z4SW2	
Client ID : -		Sample Type / Source : Surface Water	
Registration Date & Time : 22.1.2026		Sampling Date & Time : 21.1.2026; 14:30 PM	
Contact : 09-5177819		Sample Location : Minbu Township	
Email : han.m.aung@mprlexp.com		Latitude : -	
Testing Purpose : For Monitoring		Longitude : -	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Temperature[2]	27	°C	±3*[4]	-
2	Dissolved Oxygen[2]	7.98	mg/L	-	-
3	BOD_5[3]	4.5	mg/L	≤ 50[4]	Normal
4	Ammonia- Nitrogen[3]	0.24	mg/L	-	-
5	Copper[2]	0.48	mg/L	≤ 0.5[4]	Normal
6	Boron[3]	0.16	mg/L	-	-
7	Oil & Grease[3]	6	mg/L	≤ 10[4]	Normal
8	Total Nitrogen[3]	< 5	mg/L	-	-
9	Total Phosphorous[3]	3.1	mg/L	≤2[4]	Above the Limit

"ND" = Not Detected | "LOD" = Lower limit of detection | " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw May Myat Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ALARM Ecological Laboratory

Microbiology Water Testing Result Report

Reference Number: EL (M)-R/2014 **Date: 4 February 2026**

Client Information

Client Name	:	**MPRL E&P Pte Ltd**
Organization	:	**MPRL E&P Pte Ltd**
Client ID	:	-
Registration Date & Time	:	**22.1.2026**
Contact	:	-
Email	:	-
Testing Purpose	:	**For Monitoring**

Sample Information

Sample ID	:	**2014**	
Sample Name	:	**Z_4SW_2**	
Sample Type / Source	:	**Surface Water**	
Sampling Date & Time	:	**21.1.2026**	**14:30**
Sample Location	:	**Minbu Tsp**	
Latitude	:	-	
Longitude	:	-	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.

This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Method	Drinking Standard	Remarks
1	Total plate count (CFU/mL)		Total plate count method	0	
2	Total coliform count (MPN/100 mL) (Presumption test)		Most Probable Number method	0	
3	Total faecal coliform count (MPN/100ml) (Presumption test)		Most Probable Number method	0	
4	Total coliform count (CFU/mL) (Confirm test)		Eosin Methyl Blue agar plate test	0	
5	Complete test for coliform bacteria		Gram staining test	-	
6	Total coliform count (CFU/mL)	3050	Plate count method	0	
7	Total *E.coli* count (CFU/mL)	0	Plate count method	0	

Tested by	Checked by	Approved by
May Zaw Research Assistant ALARM	Aye Nyein Thu Research Assistant ALARM	Dr.Aye Aye Win Laboratory In_charged Ecological Laboratory,ALARM

No.121,Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township,Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd); Consultant (Y.C.D.C), I.W/S.E.001
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

W0126 602

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Surface Water (Z4SW2)
Location	Minbu Township
Date and Time of collection	21-01-2026 (2:30 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis — **WHO Drinking Water Guideline (Geneva - 1993)**

Parameters	Result	Unit	Ref: Range
pH	8.1		6.5 - 8.5
Colour (True)	120	TCU	15 TCU
Turbidity	210	NTU	5 NTU
Conductivity	206	micro S/cm	
Total Hardness	84	mg/l as CaCO3	500 mg/l as $CaCO_3$
Total Alkalinity	94	mg/l as $CaCO_3$	
Total Suspended Solids	260	mg/l	
Fluoride (F)	0.8	mg/l	1.5 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	64	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr.Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06038 | **Date: February 9, 2026**

Client Information		Sample Information	
Client Name : MPRL E & P Pte Ltd		Sample ID : 26/01165	
Organization : -		Sample Name : Z3GW1	
Client ID : -		Sample Type / Source : Ground Water	
Registration Date & Time : 22.1.2026		Sampling Date & Time : 21.1.2026; 9:25 AM	
Contact : 09-5177819		Sample Location : Minbu Township	
Email : han.m.aung@mprlexp.com		Latitude : -	
Testing Purpose : For Monitoring		Longitude : -	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Drinking Standards	Remarks
1	Temperature[1]	27.6	°C	-	-
2	Dissolved Oxygen[2]	4.65	mg/L	-	-
3	BOD_5[3]	3.2	mg/L	-	-
4	Oil & Grease[3]	4	mg/L	-	-
5	Total Nitrogen[3]	< 5	mg/L	-	-
6	Total Phosphorous[3]	0.32	mg/L	-	-
7	Boron[3]	0.05	mg/L	≤2.4 [4]	Normal

"ND" = Not Detected | "LOD" = Lower limit of detection | "-" = No Reference Standard

Tested by	Checked by	Approved by
Daw Mu[illegible] Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Ay[illegible] Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ALARM Ecological Laboratory

Microbiology Water Testing Result Report

Reference Number: EL (M)-R/2015 **Date: 4 February 2026**

Client Information

Client Name	:	MPRL E&P Pte Ltd
Organization	:	MPRL E&P Pte Ltd
Client ID	:	-
Registration Date & Time	:	22.1.2026
Contact	:	-
Email	:	-
Testing Purpose	:	For Monitoring

Sample Information

Sample ID	:	2015	
Sample Name	:	Z_3GW_1	
Sample Type / Source	:	Ground Water	
Sampling Date & Time	:	21.1.2026	9:25
Sample Location	:	Minbu Tsp	
Latitude	:	-	
Longitude	:	-	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.

Sr.	Quality Parameters	Results	Method	Drinking Standard	Remarks
1	Total plate count (CFU/mL)		Total plate count method	0	
2	Total coliform count (MPN/100 mL) (Presumption test)		Most Probable Number method	0	
3	Total faecal coliform count (MPN/100ml) (Presumption test)		Most Probable Number method	0	
4	Total coliform count (CFU/mL) (Confirm test)		Eosin Methyl Blue agar plate test	0	
5	Complete test for coliform bacteria		Gram staining test	-	
6	Total coliform count (CFU/mL)	0	Plate count method	0	
7	Total *E.coli* count (CFU/mL)	0	Plate count method	0	

Tested by	Checked by	Approved by
May Zaw Research Assistant ALARM	Aye Nyein Thu Research Assistant ALARM	Dr.Aye Aye Win Laboratory In_charged Ecological Laboratory,ALARM

No.121,Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township,Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C). LWSE 001
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

W0126 603

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Ground Water (Z3GW1)
Location	Minbu Township
Date and Time of collection	21-01-2026 (9:25 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis

WHO Drinking Water Guideline (Geneva - 1993)

Parameters	Result	Unit	Ref: Range
pH	7.8		6.5 - 8.5
Colour (True)	15	TCU	15 TCU
Turbidity	28	NTU	5 NTU
Conductivity	1552	micro S/cm	
Total Hardness	84	mg/l as CaCO3	500 mg/l as $CaCO_3$
Total Alkalinity	212	mg/l as $CaCO_3$	
Total Suspended Solids	30	mg/l	
Fluoride (F)	0.4	mg/l	1.5 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	64	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06039 | **Date: February 9, 2026**

Client Information		Sample Information	
Client Name :	MPRL E & P Pte Ltd	Sample ID :	26/01166
Organization :	-	Sample Name :	Z4GW2
Client ID :	-	Sample Type / Source :	Ground Water
Registration Date & Time :	22.1.2026	Sampling Date & Time :	21.1.2026; 15:10 PM
Contact :	09-5177819	Sample Location :	Minbu Township
Email :	han.m.aung@mprlexp.com	Latitude :	-
Testing Purpose :	For Monitoring	Longitude :	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Drinking Standards	Remarks
1	Temperature[2]	27	°C	-	-
2	Dissolved Oxygen[2]	6.09	mg/L	-	-
3	BOD_5[3]	3.5	mg/L	-	-
4	Oil & Grease [3]	4	mg/L	-	-
5	Total Nitrogen[3]	< 5	mg/L	-	-
6	Total Phosphorous[3]	0.24	mg/L	-	-
7	Boron[3]	0.05	mg/L	≤2.4 [4]	Normal

"ND" = Not Detected | "LOD" = Lower limit of detection | "-" = No Reference Standard

Tested by	Checked by	Approved by
Daw May Myat Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ALARM Ecological Laboratory

Microbiology Water Testing Result Report

Reference Number: EL (M)-R/2015 **Date: 4 February 2026**

Client Information

Client Name	:	MPRL E&P Pte Ltd
Organization	:	MPRL E&P Pte Ltd
Client ID	:	-
Registration Date & Time	:	22.1.2026
Contact	:	-
Email	:	-
Testing Purpose	:	For Monitoring

Sample Information

Sample ID	:	2016	
Sample Name	:	Z_4GW_2	
Sample Type / Source	:	Ground Water	
Sampling Date & Time	:	21.1.2026	15:10
Sample Location	:	Minbu Tsp	
Latitude	:	-	
Longitude	:	-	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Method	Drinking Standard	Remarks
1	Total plate count (CFU/mL)		Total plate count method	0	
2	Total coliform count (MPN/100 mL) (Presumption test)		Most Probable Number method	0	
3	Total faecal coliform count (MPN/100ml) (Presumption test)		Most Probable Number method	0	
4	Total coliform count (CFU/mL) (Confirm test)		Eosin Methyl Blue agar plate test	0	
5	Complete test for coliform bacteria		Gram staining test	-	
6	Total coliform count (CFU/mL)	350	Plate count method	0	
7	Total *E.coli* count (CFU/mL)	0	Plate count method	0	

Tested by	Checked by	Approved by
May Zaw Research Assistant ALARM	Aye Nyein Thu Research Assistant ALARM	Dr.Aye Aye Win Laboratory In_charged Ecological Laboratory,ALARM

No.121,Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township,Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar).

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

W0126 604

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Ground Water (Z4GW2)
Location	Minbu Township
Date and Time of collection	21-01-2026 (3:10 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis

WHO Drinking Water Guideline (Geneva - 1993)

Parameters	Result	Unit	Ref: Range
pH	7.8		6.5 - 8.5
Colour (True)	20	TCU	15 TCU
Turbidity	32	NTU	5 NTU
Conductivity	15192	micro S/cm	
Total Hardness	1500	mg/l as CaCO3	500 mg/l as $CaCO_3$
Total Alkalinity	1144	mg/l as $CaCO_3$	
Total Suspended Solids	40	mg/l	
Fluoride (F)	0.7	mg/l	1.5 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	64	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06027 | **Date: February 9, 2026**

Client Information		Sample Information	
Client Name : MPRL E&P Ptd Ltd		Sample ID : 26/01154	
Organization : -		Sample Name : Bio-filter Outlet	
Client ID : -		Sample Type / Source : Sewage Treated Water	
Registration Date & Time : 22.1.2026		Sampling Date & Time : 21.1.2026; 13:30 PM	
Contact : 09-5177819		Sample Location : Minbu Tsp	
Email : han.m.aung@mprlexp.com		Latitude : -	
Testing Purpose : For Monitoring		Longitude : -	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Dissolved Oxygen[2]	5.53	mg/L	-	-
2	BOD_5[4]	38	mg/L	≤ 50[4]	Normal
3	Oil & Grease[3]	7	mg/L	≤ 10[4]	Normal
4	Total Nitrogen[3]	32.8	mg/L	-	-
5	Total Phosphorous[1]	4.3	mg/L	≤2[4]	Above the Limit

"ND" = Not Detected | "LOD" = Lower limit of detection | "-" = No Reference Standard

Tested by	Checked by	Approved by
Daw [illegible] Khine Lab. Technician II Ecological Laboratory (ALARM)	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye [illegible] Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg. (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

WW0126 102

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Sewage Treated Water (Bio-Filter Outlet)
Location	Minbu Township
Date and Time of collection	21-01-2026 (1:30 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	29-01-2026

Results of Wastewater Analysis

Parameters	Result	Unit	
pH	8.1		
Turbidity	28	NTU	
Conductivity	998	micro S/cm	
Total Suspended Solids	36	mg/l	
Chemical Oxygen Demand (COD)	64	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Thein
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E.(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C); LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

WTL-RE-001
Issue Date - 01-1-2016
Effective Date - 01-1-2016
Issue No - 1.0/Page 1 of 1

M0126 057

WATER QUALITY TEST (MICROBIOLOGY) RESULTS FORM

Client	MPRL E & P
Nature of Water	Sewage Treated Water (Bio-Filter Outlet)
Location	Minbu Township
Date and Time of collection	21-01-2026 (1:30 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	22-01-2026
Date and Time of completing	29-01-2026

Results of Water Analysis			WHO Drinking Water Guideline (Geneva - 1993)
Total Coliform Count	40	CFU/100ml	Not detected
Thermotolerant (fecal) Coliform Count	10	CFU/100ml	Not detected
pH	8.1		6.5 - 8.5
Turbidity	42	NTU	5 NTU
Colour (True)	40	TCU	15 TCU
Free Chlorine	Nil	mg/l	
Total Chlorine	Nil	mg/l	

: This certificate is issued only for the receipt of the test sample.

: < - Less than

Tested by

Signature:

Name: Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by

Signature:

Name: Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06028 **Date: February 9, 2026**

Client Information		Sample Information	
Client Name :	MPRL E&P Ptd Ltd	Sample ID :	26/01155
Organization :	-	Sample Name :	Hydro Test Water
Client ID :	-	Sample Type / Source :	Warehouse
Registration Date & Time :	22.1.2026	Sampling Date & Time :	21.1.2026; 11:00 AM
Contact :	09-5177819	Sample Location :	Minbu Tsp
Email :	han.m.aung@mprlexp.com	Latitude :	-
Testing Purpose :	For Monitoring	Longitude :	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	BOD_5[a]	42	mg/L	≤ 50[d]	Normal
2	Cadmium[f]	0.03	mg/L	≤ 0.1[d]	Normal
3	Lead[f]	0.1	mg/L	≤ 0.1[d]	Normal
4	Phenol[g]	0.36	mg/L	≤ 0.5[d]	Normal
5	Sulfide[g]	0.24	mg/L	≤ 1[d]	Normal
6	Nickel[g]	0.26	mg/L	≤ 0.5[d]	Normal
7	Chromium (Hexavalent)[g]	0.27	mg/L	≤ 0.1	Above the Limit

"ND" = Not Detected "LOD" = Lower limit of detection "-" = No Reference Standard

Tested by	Checked by	Approved by
Daw May [illegible] Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakdalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd), Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

W0126 607

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Hydro-Test Water (Warehouse)
Location	Minbu Township
Date and Time of collection	21-01-2026 (11:00 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis — **WHO Drinking Water Guideline (Geneva - 1993)**

Parameters	Result	Unit	Ref: Range
pH	7.9		6.5 - 8.5
Chloride (as CL)	25	mg/l	250 mg/l
Total Suspended Solids	180	mg/l	
Arsenic (As)	Nil	mg/l	0.01 mg/l
Chemical Oxygen Demand (COD)	64	mg/l	
Zinc (Zn)	Nil	mg/l	3 mg/l
Copper (Cu)	Nil	mg/l	2 mg/l

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Thein Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06033 | **Date: February 9, 2026**

Client Information

Client Name	:	MPRL E&P Ptd Ltd
Organization	:	-
Client ID	:	-
Registration Date & Time	:	22.1.2026
Contact	:	09-5177819
Email	:	han.m.aung@mprlexp.com
Testing Purpose	:	For Monitoring

Sample Information

Sample ID	:	26/01160
Sample Name	:	Down-hole Workshop
Sample Type / Source	:	Domestic Water
Sampling Date & Time	:	21.1.2026; 11:10 AM
Sample Location	:	Minbu Tsp
Latitude	:	-
Longitude	:	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Ammonia[3]	0.24	mg/L	≤ 10[d]	Normal
2	BOD_5[4]	32	mg/L	≤ 50[d]	Normal
3	Free Cyanide[3]	0.068	mg/L	-	-
4	Cadmium[7]	0.01	mg/L	≤ 0.1[d]	Normal
5	Iron[7]	0.193	mg/L	≤ 3.5[d]	Normal
6	Lead[7]	ND	mg/L	≤ 0.1[d]	LOD = 0.1 mg/L
7	Nickel[3]	ND	mg/L	≤ 0.5[d]	LOD = 0.2 mg/L
8	Sulfide[3]	0.2	mg/L	≤ 1[d]	Normal
9	Phenol[3]	0.61	mg/L	≤ 0.5[d]	Above the limit
10	Oil & Grease[9]	7	mg/L	≤ 10[c]	Normal
11	Chromium (Hexavalent)[3]	0.136	mg/L	≤ 0.1	Above the limit
12	Total Phosphorous[3]	1.68	mg/L	≤2[d]	Normal

"ND" = Not Detected | "LOD" = Lower limit of detection | " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw May Myo Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WW0126 104

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Domestic Wastewater (Down-Hole Workshop)
Location	Minbu Township
Date and Time of collection	21-01-2026 (11:10 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	29-01-2026

Results of Wastewater Analysis

Parameters	Result	Unit	
pH	7.9		
Total Suspended Solids	32	mg/l	
Temperature (°C)	25.0	°C	
Fluoride (F)	0.5	mg/l	
Arsenic (As)	Nil	mg/l	
Chlorine (Residual)	0.5	mg/l	
Chemical Oxygen Demand (COD)	32	mg/l	
Cyanide (CN)	Nil	mg/l	
Zinc (Zn)	Nil	mg/l	
Copper (Cu)	Nil	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

M0126 059

WATER QUALITY TEST (MICROBIOLOGY) RESULTS FORM

Client	MPRL E & P
Nature of Water	Domestic Wastewater (Down-Hole Workshop)
Location	Minbu Township
Date and Time of collection	21-01-2026 (11:10 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	22-01-2026
Date and Time of completing	29-01-2026

Results of Water Analysis

			WHO Drinking Water Guideline (Geneva - 1993)
Total Coliform Count	16	CFU/100ml	Not detected
Thermotolerant (fecal) Coliform Count	6	CFU/100ml	Not detected
pH	7.9		6.5 - 8.5
Turbidity	28	NTU	5 NTU
Colour (True)	20	TCU	15 TCU
Free Chlorine	0.2	mg/l	
Total Chlorine	0.5	mg/l	

: This certificate is issued only for the receipt of the test sample.

: < - Less than

Tested by

Signature:

Name: Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by

Signature:

Name: Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
No.18. Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06032 | **Date: February 9, 2026**

Client Information			Sample Information		
Client Name	:	MPRL E&P Ptd Ltd	Sample ID	:	26/01159
Organization	:	-	Sample Name	:	Mechanical Workshop
Client ID	:	-	Sample Type / Source	:	Domestic Water
Registration Date & Time	:	22.1.2026	Sampling Date & Time	:	21.1.2026; 11:25 AM
Contact	:	09-5177819	Sample Location	:	Minbu Tsp
Email	:	han.m.aung@mprlexp.com	Latitude	:	-
Testing Purpose	:	For Monitoring	Longitude	:	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Emission Standards	Remarks
1	Ammonia[2]	0.24	mg/L	≤ 10[d]	Normal
2	BOD_5[6]	36	mg/L	≤ 50[d]	Normal
3	Free Cyanide[1]	0.066	mg/L	≤ 0.1[d]	Normal
4	Cadmium[7]	0.02	mg/L	≤ 0.1[d]	Normal
5	Iron[1]	0.194	mg/L	≤ 3.5[d]	Normal
6	Lead[7]	ND	mg/L	≤ 0.1[d]	LOD = 0.1 mg/L
7	Nickel[3]	0.21	mg/L	≤ 0.5[d]	Normal
8	Sulfide[3]	0.2	mg/L	≤ 1[d]	Normal
9	Phenol[3]	0.86	mg/L	≤ 0.5[d]	Above the Limit
10	Oil & Grease[9]	8	mg/L	≤ 10[d]	Normal
11	Chromium (Hexavalent)[3]	0.1	mg/L	≤ 0.1	Normal
12	Total Phosphorous[3]	1.94	mg/L	≤2[d]	Normal

"ND" = Not Detected | "LOD" = Lower limit of detection | " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw May Myat Thinzar Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WW0126 103

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Domestic Wastewater (Mechanical Workshop)
Location	Minbu Township
Date and Time of collection	21-01-2026 (11:25 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	29-01-2026

Results of Wastewater Analysis

Parameters	Result	Unit	
pH	8.5		
Total Suspended Solids	38	mg/l	
Temperature (°C)	25.0	°C	
Fluoride (F)	0.8	mg/l	
Arsenic (As)	Nil	mg/l	
Chlorine (Residual)	0.5	mg/l	
Chemical Oxygen Demand (COD)	64	mg/l	
Cyanide (CN)	Nil	mg/l	
Zinc (Zn)	Nil	mg/l	
Copper (Cu)	Nil	mg/l	

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

M0126 058

WATER QUALITY TEST (MICROBIOLOGY) RESULTS FORM

Client	MPRL E & P
Nature of Water	Domestic Wastewater (Mechanical Workshop)
Location	Minbu Township
Date and Time of collection	21-01-2026 (11:25 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	22-01-2026
Date and Time of completing	29-01-2026

Results of Water Analysis

			WHO Drinking Water Guideline (Geneva - 1993)
Total Coliform Count	30	CFU/100ml	Not detected
Thermotolerant (fecal) Coliform Count	8	CFU/100ml	Not detected
pH	8.5		6.5 - 8.5
Turbidity	35	NTU	5 NTU
Colour (True)	20	TCU	15 TCU
Free Chlorine	0.2	mg/l	
Total Chlorine	0.5	mg/l	

: This certificate is issued only for the receipt of the test sample.

: < - Less than

Tested by

Signature:

Name: Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by

Signature:

Name: Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
No.18. Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506. E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06030 | **Date: February 9, 2026**

Client Information		Sample Information	
Client Name : MPRL E&P Ptd Ltd		Sample ID : 26/01157	
Organization : -		Sample Name : R.O Drinking Water	
Client ID : -		Sample Type / Source : Treated Water	
Registration Date & Time : 22.1.2026		Sampling Date & Time : 21.1.2026; 13:45 PM	
Contact : 09-5177819		Sample Location : Minbu Tsp	
Email : han.m.aung@mprlexp.com		Latitude : -	
Testing Purpose : For Monitoring		Longitude : -	

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory.

Sr.	Quality Parameters	Results	Units	Drinking Standards	Remarks
1	Iron[7]	0.12	mg/L	≤1[c]	Normal
2	Manganese[8]	0.1	mg/L	≤0.4 [c]	Normal
3	Lead[7]	ND	mg/L	≤0.01 [c]	LOD = 0.1 mg/L

"ND" = Not Detected | "LOD" = Lower limit of detection | " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw Mya Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye Aye Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-05990 **Date: February 4, 2026**

Client Information

Client Name	:	MPRL E & P Pte Ltd
Organization	:	-
Client ID	:	-
Registration Date & Time	:	4.2.2026
Contact	:	-
Email	:	-
Testing Purpose	:	-

Sample Information

Sample ID	:	26/02015
Sample Name	:	Treated Water
Sample Type / Source	:	R.O (UV) Outlet
Sampling Date & Time	:	3.2.2026
Sample Location	:	Base Camp, Minbu Township, Magwe Region
Latitude	:	-
Longitude	:	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
This report shall not be reproduced except in full, without written approval of the laboratory

Sr.	Quality Parameters	Results	Units	Drinking Standards	Remarks
1	pH[1]	6.7	S.U	6.5 – 8.5[c]	Normal

"ND" = Not Detected "LOD" = Lower limit of detection " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw May Myat Thine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory AT ALARM	Dr. Aye Min Win Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin That Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aclab.2022@gmail.com

ISO TECH LABORATORY

Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

W0126 606

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Treated Water (RO Drinking Water)
Location	Minbu Township
Date and Time of collection	21-01-2026 (1:45 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis — **WHO Drinking Water Guideline (Geneva - 1993)**

Parameters	Result	Unit	Ref: Range
pH	5.9		6.5 - 8.5
Colour (True)	Nil	TCU	15 TCU
Turbidity	Nil	NTU	5 NTU
Total Hardness	2	mg/l as CaCO3	500 mg/l as $CaCO_3$
Chloride (as CL)	2	mg/l	250 mg/l
Sulphate (as SO_4)	Nil	mg/l	500 mg/l
Total Dissolved Solids	13	mg/l	1000 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Nitrate ($N.NO_3$)	Nil	mg/l	50 mg/l

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
No.18. Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ISO TECH LABORATORY

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B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

M0126 061

WATER QUALITY TEST (MICROBIOLOGY) RESULTS FORM

Client	MPRL E & P
Nature of Water	Treated Water (RO Drinking Water)
Location	Minbu Township
Date and Time of collection	21-01-2026 (1:45 PM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	22-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis			WHO Drinking Water Guideline (Geneva - 1993)
Total Coliform Count	Not detected (<1)	CFU/100ml	Not detected
Thermotolerant (fecal) Coliform Count	Not detected (<1)	CFU/100ml	Not detected
pH	5.9		6.5 - 8.5
Turbidity	Nil	NTU	5 NTU
Colour (True)	Nil	TCU	15 TCU
Free Chlorine	Nil	mg/l	
Total Chlorine	Nil	mg/l	

Remark : Satisfactory for drinking purpose.

: This certificate is issued only for the receipt of the test sample.

: < - Less than

Tested by

Signature:

Name: Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by

Signature:

Name: Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
No.18. Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

ALARM Ecological Laboratory

Water Testing Result Report

Report Number: EL-WR-26-06031 **Date:** February 9, 2026

Client Information			Sample Information		
Client Name	:	MPRL E&P Ptd Ltd	Sample ID	:	26/01158
Organization	:	-	Sample Name	:	Ma Nyein
Client ID	:	-	Sample Type / Source	:	-
Registration Date & Time	:	22.1.2026	Sampling Date & Time	:	21.1.2026; 10:30 AM
Contact	:	09-5177819	Sample Location	:	Minbu Tsp
Email	:	han.m.aung@mprlexp.com	Latitude	:	-
Testing Purpose	:	For Monitoring	Longitude	:	-

Testing Results

This laboratory analysis report is based solely on the sample submitted by the client unless client took our sampling service.
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Sr.	Quality Parameters	Results	Units	Drinking Standards	Remarks
1	Iron[7]	0.264	mg/L	≤1[c]	Normal
2	Manganese[1]	0.38	mg/L	≤0.4 [c]	Normal
3	Lead[7]	ND	mg/L	≤0.01 [c]	LOD = 0.1 mg/L

"ND" = Not Detected "LOD" = Lower limit of detection " - " = No Reference Standard

Tested by	Checked by	Approved by
Daw May Myat Khine Lab. Technician II Ecological Laboratory ALARM	Daw Lin Myat Myat Aung Lab. Technician I Ecological Laboratory ALARM	Dr. Aye [illegible] Laboratory In-Charge Ecological Laboratory (ALARM)

No.121, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon.
Tel: 09-407496078, Email: aelab.2022@gmail.com

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Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

ISO 9001:2015 Cert. No.

WTL-RE-001
Issue Date - 27-08-2025
Effective Date - 01-09-2025
Issue No - 2.0

W0126 605

WATER QUALITY TEST RESULTS FORM

Client	MPRL E & P
Nature of Water	Tube Well Water (MA NYEIN)
Location	Minbu Township
Date and Time of collection	21-01-2026 (10:30 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	23-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis

WHO Drinking Water Guideline (Geneva - 1993)

Parameters	Result	Unit	Ref: Range
pH	8.3		6.5 - 8.5
Colour (True)	5	TCU	15 TCU
Turbidity	9	NTU	5 NTU
Total Hardness	72	mg/l as CaCO3	500 mg/l as $CaCO_3$
Chloride (as CL)	25	mg/l	250 mg/l
Sulphate (as SO_4)	66	mg/l	500 mg/l
Total Dissolved Solids	580	mg/l	1000 mg/l
Arsenic (As)	Nil	mg/l	0.01 mg/l
Nitrate ($N.NO_3$)	Nil	mg/l	50 mg/l

Remark: This certificate is issued only for the receipt of the test sample.

Tested by
Signature:
Name:
Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by
Signature:
Name:
Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

No.18, Lanthit Road, Nanthargone Quarter, Insein Township, Yangon, Myanmar.
Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

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Laboratory Technical Consultant: U Saw Christopher Maung
B.Sc Engg: (Civil), Dip S.E(Delft) Lecturer of YIT (Retd). Consultant (Y.C.D.C), LWSE 001.
Former Member (UNICEF, Water quality monitoring & Surveillance Myanmar)

M0126 060

WATER QUALITY TEST (MICROBIOLOGY) RESULTS FORM

Client	MPRL E & P
Nature of Water	Tube Well Water (MA NYEIN)
Location	Minbu Township
Date and Time of collection	21-01-2026 (10:30 AM)
Date and Time of arrival at Laboratory	22-01-2026
Date and Time of commencing examination	22-01-2026
Date and Time of completing	28-01-2026

Results of Water Analysis

			WHO Drinking Water Guideline (Geneva - 1993)
Total Coliform Count	4	CFU/100ml	Not detected
Thermotolerant (fecal) Coliform Count	Not detected (<1)	CFU/100ml	Not detected
pH	8.3		6.5 - 8.5
Turbidity	9	NTU	5 NTU
Colour (True)	5	TCU	15 TCU
Free Chlorine	Nil	mg/l	
Total Chlorine	Nil	mg/l	

Remark : Unsatisfactory for drinking purpose.

: This certificate is issued only for the receipt of the test sample.

: < - Less than

Tested by

Signature:

Name: Zaw Hein Oo
B.Sc (Chemistry)
Sr. Chemist
ISO Tech Laboratory

Approved by

Signature:

Name: Thinzar Theint Theint
B.E (Civil)
Senior Engineer
ISO Tech Laboratory

(a division of WEG Co., Ltd.)
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Ph: 01-640955, 09-880100172, 09-880100173, 01-644506, E-mail: isotechlaboratory@gmail.com, Website: weg-myanmar.com

MPRL E&P

Build through Excellence

Lead with Integrity

MPRL E&P Pte Ltd.

Vantage Tower, 623 Pyay Road
Kamayut Township 11041, Yangon, Myanmar
Tel. : +95 1 230 7733 Fax : +95 1 230 7744
email : mprlstaff@mprlexp.com

www.mprlexp.com mprlep

mprlep myanmar_mprlexp