

Environmental Monitoring Report
For
30 MW Ground Mounted Solar Power Plant Project
Connected to Thazi Substation
(Operation Phase)
(5th Time)
(18th January 2026 – 18th July 2026)

Proposed by



Great Success Energy Co., Ltd.

Prepared by



E Guard Environmental Services

July, 2026

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စီမံကိန်းအဆိုပြုသူ၏ ကတိကဝတ်ပြုမှု

မန္တလေးတိုင်းဒေသကြီး၊ မိတ္ထီလာခရိုင်၊ သာစည်မြို့နယ်၊ ရွာကြီးကျေးရွာအုပ်စုနှင့် ရွာပုလဲကျေးရွာအုပ်စု၊ ကွင်းအမှတ် (၁၇၅၆၊ ၁၈၀၅၊ ၁၈၀၆၊ ၁၈၀၇-က)တွင် Great Success Energy Co., Ltd. မှ ဆောင်ရွက်လျက်ရှိသည့် ၃၃ ကေဗီ ဓာတ်အားလိုင်းသွယ်တန်းခြင်းလုပ်ငန်း အပါအဝင် ၃၀ မဂ္ဂါဝပ် နေရောင်ခြည်စွမ်းအင်သုံး လျှပ်စစ်ဓာတ်အားပေးစက်ရုံစီမံကိန်းနှင့် ပတ်သက်၍ လုပ်ငန်းလည်ပတ်သည့်ကာလနှင့် လုပ်ငန်းပိတ်သိမ်းပြီးကာလအထိ စောင့်ကြပ် ကြည့်ရှုမှု အစီအစဉ်များကို ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ် (EMP) တွင်ကတိကဝတ်ပြု ဖော်ပြချက် များနှင့်အညီ အကောင်အထည် ဖော်ဆောင်ရွက်မည်ဖြစ်ပါကြောင်းနှင့် အတည်ပြု ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် တွင် ဖော်ပြထားသည့် အစီအစဉ်ခွဲများအား ဆက်လက်လိုက်နာ အကောင်အထည် ဖော်မည်ဖြစ်ပါကြောင်း ကတိကဝတ်ပြုဖော်ပြအပ်ပါသည်။

လေးစားမှုဖြင့်


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ပတ်ဝန်းကျင်ဆိုင်ရာ အကြံပေးအဖွဲ့၏ ကတိကဝတ်ပြုမှု

မန္တလေးတိုင်းဒေသကြီး၊ မိတ္ထီလာခရိုင်၊ သာစည်မြို့နယ်၊ ရွာကြီးကျေးရွာအုပ်စုနှင့် ရွာပုလဲ ကျေးရွာအုပ်စု၊ ကွင်းအမှတ် (၁၇၅၆၊ ၁၈၀၅၊ ၁၈၀၆၊ ၁၈၀၇-က) တွင် Great Success Energy Co., Ltd. က ဆောင်ရွက်လျက်ရှိသည့် ၃၃ ကေစီ ဓာတ်အားလိုင်းသွယ်တန်းခြင်းလုပ်ငန်း အပါအဝင် ၃၀ မဂ္ဂါဝပ် နေရောင်ခြည်စွမ်းအင်သုံး လျှပ်စစ်ဓာတ်အားပေးစက်ရုံစီမံကိန်း၏ စတုတ္ထအကြိမ် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာအား တာဝန်ယူ ရေးသားပြုစုသည့် ပတ်ဝန်းကျင်ဆိုင်ရာ တွဲဖက်အကြံပေးပုဂ္ဂိုလ်မှ အောက်ပါတို့ကို ကတိပြု အပ်ပါသည်-

(က) EMR မှာ အဆိုပြုစီမံကိန်း၏ အတည်ပြု EMP တွင်ဖော်ပြထားသည့် စောင့်ကြပ်ကြည့်ရှုမှု အစီအစဉ် များအား တိကျစွာလိုက်နာ၍ရေးသားပြုစုထားပါကြောင်း၊

(ခ) လိုအပ်သည့်ကိန်းဂဏန်းအချက်အလက်များအား ၂၀၂၆ ခုနှစ် မေလအတွင်း စီမံကိန်း တည်နေရာသို့ ကွင်းဆင်း၍ တိုင်းတာမှတ်တမ်းယူခြင်း၊ နမူနာများရယူ၍ ဓာတ်ခွဲခန်းသို့ ပေးပို့စမ်းသပ်ခြင်း နည်းလမ်းများဖြင့် ကောက်ယူထားပါကြောင်း၊

(ဂ) ကိန်းဂဏန်းအချက်အလက်ကောက်ယူခြင်းအား သင့်တော်သည့်ကိရိယာနှင့် မှန်ကန်သည့် နည်းလမ်းများ အသုံးပြု၍ ဆောင်ရွက်ထားပါကြောင်း၊

(ဃ) EMR အား ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း၊ အပိုဒ် (၁၀၉) တွင် ပြဌာန်းထားချက်များနှင့်အညီ လိုက်နာဆောင်ရွက်ပြီးလေ့လာပြုစု ထားပါကြောင်း၊

(င) EMR အတွက်လေ့လာမှုနှင့် အစီရင်ခံစာရေးသားပြုစုမှုအား တတိယအဖွဲ့အစည်း၏ ကျင့်ဝတ်အပေါ် အခြေတည်၍ ကောင်းမွန်မှန်ကန်စွာရေးသားပြုစုထားပါကြောင်း။



အောင်မိုးဦး

ပတ်ဝန်းကျင်ဆိုင်ရာ တွဲဖက်အကြံပေးပုဂ္ဂိုလ်

(EIA/AC 010/2023)



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1. Introduction

This Environmental Monitoring report is prepared by E Guard Environmental Services Co., Ltd., in collaboration with SMEC Myanmar, a subsidiary of Surbana Jurong Group for the 30 MW ground mounted solar power plant project connected to Thazi Substation proposed by Great Success Energy Co., Ltd. The project proponent won tender from the Ministry of Electricity (EPGE PV03/2022-23) and obtained permit for construction and electricity generation from solar energy of the proposed project and it will be implemented by Great Success Energy Co., Ltd., a subsidiary of gold energy. This project is located at Ywa-Gyi Village-tract and Ywa Pale Village-tract, Thazi Township, Meiktila District, Mandalay Region. Its coordinate points are 20° 53' 6.10" N, 96° 2' 5.74" E, and the average altitude of the site is 202m.

The total capacity of the AC side of the proposed project is 33 MW and DC side is 40.887 MWp, including five photovoltaic power generation units. The photovoltaic power station is connected to the 33 kV bus side of the 230 kV main transformer in the Thazi Substation. The project proponent possesses the land slot to construct the solar power plant and total land requirement for the project is 213.97 acres (86.59 hectares) purchased by the project proponent. A total of 74340 Pieces of bifacial mono-crystalline silicon solar PV modules (peak power 550Wp), 110 string inverters, 5 sets of 6600 KVA box transformers, 7 sets of Battery Energy Storage system, and 886 sets of horizontal single-axis tracking bracket will be installed in this proposed project to generate electricity from solar energy.

Environmental quality monitoring team included U Aung Myint Myat, U Aung Moe Oo, U Han Lin Zaw and U Htet Aung Hlaing. The environmental quality monitoring report includes air, water and noise. Air quality monitoring was carried out in one location as source (Project Site) and water quality test was carried out in two places as ground water (GW- project site) and wastewater (WW- Outlet of wastewater channel from the project site). Noise is also measured in two locations as source (Project Site) and receptor (staff housing). Most of the environmental monitoring results (air, water and noise) are within the guidelines.

Table 1. 1 Monitoring Study Team and their Responsibilities

Sr.	Name	Position	License No.	Expertise
1	U Aung Myint Myat	Team Member	EIA-C 008/2023	1. Ecology and Biodiversity, 2. Noise and Vibration
2	U Aung Moe Oo	Deputy Team Leader	EIA-AC 010/2023	1. Air Pollution Monitoring, 2. Solid Waste and Hazardous Waste Management
3	U Aung Myint Myat	Supporting Team Member	-	1. Air Pollution Prevention and Control 2. Water Pollution Prevention, Control, Monitoring and Prediction of Impacts
4	U Aung Moe Oo	Supporting Team Member	-	1. Air Pollution Prevention and Control 2. Water Pollution Prevention, Control, Monitoring and Prediction of Impacts
5	U Han Lin Zaw	Supporting Team Member	-	1. Air Pollution Monitoring 2. Noise and Vibration
6	U Htet Aung Hlaing	Supporting Team Member	-	1. Environmental Quality Surveyor 2. Air Pollution Monitoring 3. Noise and Vibration

Environmental Monitoring Plan for EMP Approved Report

C.	Operation Phase					
1.	Air quality	PM ₁₀ , PM _{2.5} , CO, CO ₂ , SO ₂ , NO ₂	Twice a year	In front of power station 20°52'56.59"N, 96°02'8.04"E	Already included in cost estimation for EMP	Great Success Energy Co., Ltd.

No.	Environmental Concerns	Parameters	Frequency	Location	Estimated Cost	Responsible Party
2.	Groundwater quality	pH, EC, TDS, Salinity, DO, Turbidity, Oxidation Reduction Potential (ORP), Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Nitrogen, Total Phosphorus, Potassium, Oil and Grease, Total Suspended Solid (TSS), Total Coliform Bacteria	Twice a year	An outlet from tube well within the project site 20°53'3.93"N, 96°2'15.97"E	Already included in cost estimation for EMP	Great Success Energy Co., Ltd.
3.	Discharged water quality	pH, Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Total Coliform Bacteria, Total Nitrogen, Total Phosphorus, Total Suspended Solids	Twice a year	At final outlet of drainage system 20°52'58.48"N, 96° 2'16.47"E	Already included in cost estimation for EMP	Great Success Energy Co., Ltd.
4.	Noise level	Equivalent Noise Level dB (A)	Twice a year	In front of power station 20°52'56.59"N, 96°02'8.04"E and staff quarter 20°52'59.232"N, 96°2'20.561"E	Already included in cost estimation for EMP	Great Success Energy Co., Ltd.

No.	Environmental Concerns	Parameters	Frequency	Location	Estimated Cost	Responsible Party
5.	Waste quantity	Amount of domestic solid waste and hazardous waste disposal	Quarterly	All operation area 20°52'56.91"N, 96°02'8.11"E	Already included in cost estimation for EMP	Great Success Energy Co., Ltd.
6.	Environmental auditing	Assess the compliances with this EMP as well as laws, rules, policies and regulations	Once a year	At the project office 20°52'56.91"N, 96°02'8.11"E	Already included in cost estimation for EMP	Great Success Energy Co., Ltd.

ECC Letter of Thazi Solar Power Project



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
သယံဇာတနှင့်သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာလိုက်နာဆောင်ရွက်မှု သက်သေခံလက်မှတ်
(Environmental Compliance Certificate - ECC)

သက်သေခံလက်မှတ်အမှတ်။ ECC (၇၁၉) ရက်စွဲ။ ၂၀၂၄ခုနှစ်၊ ဖေဖော်ဝါရီလ ၁၃ ရက်
၁။ သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာနသည် ပတ်ဝန်းကျင်
ထိန်းသိမ်းရေးဥပဒေ (ပြည်ထောင်စုလွှတ်တော် ဥပဒေအမှတ် ၉/၂၀၁၂)နှင့် ပတ်ဝန်းကျင်ထိခိုက်မှု
ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း (အမိန့်ကြော်ငြာစာအမှတ် ၆၁၆/၂၀၁၅) တို့အရ
နောက်ဆက်တွဲ (က) တွင် ဖော်ပြထားသော အဆိုပြုစီမံကိန်းအား နောက်ဆက်တွဲ (ခ) ပါ
စည်းကမ်းချက်များကို လိုက်နာဆောင်ရွက်စေလျက် ဤပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာ
ဆောင်ရွက်မှုသက်သေခံလက်မှတ် (Environmental Compliance Certificate - ECC) ကို
ထုတ်ပေးလိုက်သည်-

- | | |
|-------------------------------------|---|
| (က) စီမံကိန်းအဆိုပြုသူ | - ဦးဇော်ဝင်း၊ မန်နေဂျင်းဒါရိုက်တာ
Great Success Energy Co., Ltd. |
| (ခ) ဆက်သွယ်ရန် လိပ်စာ | - အခန်းအမှတ် (၅၀၁)၊ (၅) လွှာ၊ လှည်းတန်း
စင်တာ၊ ပြည်လမ်းနှင့် လှည်းတန်းလမ်းထောင့်၊
ကမာရွတ်မြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး၊
၀၉-၄၄၄၈၀၅၅၁၊ u.zaw.win123@gmail.com |
| (ဂ) စီမံကိန်းအမျိုးအစား | - ၃၃ ကေစီ ဓာတ်အားလိုင်းသွယ်တန်းခြင်းလုပ်ငန်း
အပါအဝင် ၃၀ မဂ္ဂါဝပ် နေရောင်ခြည်စွမ်းအင်သုံး
လျှပ်စစ်ဓာတ်အားပေးစက်ရုံစီမံကိန်း |
| (ဃ) စီမံကိန်းကာလ | - အခွင့်အမိန့်ရအဖွဲ့အစည်းက ခွင့်ပြုသည့်ကာလ |
| (င) စီမံကိန်း၏ အရွယ်အစား | - ၃၀ မဂ္ဂါဝပ် |
| (စ) စီမံကိန်းတည်နေရာ | - မန္တလေးတိုင်းဒေသကြီး၊ မိတ္ထီလာခရိုင်၊ သာစည်
မြို့နယ်၊ ရွာပုလဲကျေးရွာအုပ်စု |
| (ဆ) ECC သက်တမ်း | - (၅)နှစ်
စတင်ထုတ်ပေးရက် - ၁၈-၁-၂၀၂၄
သက်တမ်းကုန်ဆုံးရက် - ၁၇-၁-၂၀၂၉ |
| (ဇ) အတည်ပြုအစီရင်ခံစာ
အမျိုးအစား | - ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) |

(ဈ) အတည်ပြုအစီရင်ခံစာ - လျှပ်စစ်ဓာတ်အားထုတ်လုပ်ရေးလုပ်ငန်း၏ ၁၃-
၁၁-၂၀၂၃ ရက်စွဲပါ စာအမှတ်၊ ၇၃၁၇/လစထလ/
ပစရအ/စ-၅၆/၂၀၂၃

စည်းကမ်းချက်များသတ်မှတ်ခြင်း

၂။ အောက်ဖော်ပြပါ ရည်ရွယ်ချက်များ ရရှိနိုင်ရေးအတွက် ဤသက်သေခံလက်မှတ်၏ နောက်ဆက်တွဲပါ စည်းကမ်းချက်များကို လိုက်နာဆောင်ရွက်ရန် သတ်မှတ်ထားခြင်းဖြစ်ပါသည်။

- (က) ပတ်ဝန်းကျင်နှင့်လူမှုဆိုင်ရာ ဆိုးကျိုးသက်ရောက်မှုများကို ကြိုတင်ကာကွယ်ရေး၊ အနိမ့်ဆုံးဖြစ်စေရေးနှင့် ထိခိုက်မှုများကို ပြန်လည်ကုစားရေး ဆောင်ရွက်ပေးရန်၊
- (ခ) စီမံကိန်းအဆိုပြုသူ၏ စီမံကိန်းဆိုင်ရာ ကတိကဝတ်များနှင့် လိုက်နာထမ်းဆောင်ရမည့် တာဝန်များကို သတ်မှတ်ရန်၊
- (ဂ) လက်ခံနိုင်သော ပတ်ဝန်းကျင်အရည်အသွေး ဖြစ်စေရေးအတွက် စံချိန်စံညွှန်းများနှင့် အရည်အသွေးတိုင်းတာရေးနည်းလမ်းများ သတ်မှတ်ရန်၊
- (ဃ) စောင့်ကြပ်ကြည့်ရှုခြင်းနှင့် အစီရင်ခံခြင်းတို့ကို ပုံမှန်ဆောင်ရွက်စေရန်၊
- (င) စီမံကိန်းတွင် စဉ်ဆက်မပြတ် ဆောင်ရွက်သွားရမည့် ပတ်ဝန်းကျင်စီမံခန့်ခွဲရေး အစီအမံတစ်ရပ်ကို ရေးဆွဲဆောင်ရွက်ရန်။

၃။ အထက်ဖော်ပြပါစည်းကမ်းချက်များအပြင် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာနမှ အခါအား လျော်စွာထုတ်ပြန်သော အမိန့်၊ ညွှန်ကြားချက်များကို လိုက်နာဆောင်ရွက်ရန်။

၄။ ဤပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာဆောင်ရွက်မှုသက်သေခံလက်မှတ်သည် လုပ်ငန်းဆောင်ရွက်ရန် ခွင့်ပြုမိန့်မဟုတ်ကြောင်း၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ စည်းကမ်းချက်များအား လိုက်နာဆောင်ရွက်ရန်ဖြစ်ကြောင်း၊ မြေအသုံးပြုခွင့်နှင့် လုပ်ငန်းဆောင်ရွက် ခွင့်ပြုမိန့်မှာ သက်ဆိုင်ရာ ဝန်ကြီးဌာန သို့မဟုတ် အခွင့်အမိန့်ရ အဖွဲ့အစည်းများ၏ မူဝါဒ၊ ဥပဒေ ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်း၊ လမ်းညွှန်ချက်များနှင့်အညီ လိုက်နာဆောင်ရွက်ရန်။

၅။ သက်ဆိုင်ရာခွင့်ပြုမိန့်ထုတ်ပေးသည့် ဌာနမှ ခွင့်ပြုမိန့်ပယ်ဖျက်လျှင်သော်လည်းကောင်း၊ သက်တမ်းတိုးပေးခြင်း မရှိလျှင်သော်လည်းကောင်း၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဆိုင်ရာ လိုက်နာဆောင်ရွက်မှုသက်သေခံလက်မှတ်သက်တမ်းရှိစေကာမူ ဤသက်သေခံလက်မှတ်၏ သက်တမ်းသည် လည်း အလိုအလျောက်ကုန်ဆုံးသည်ဟု မှတ်ယူရမည်။



၁၁.၁.၂၀၂၄

ပြည်ထောင်စုဝန်ကြီး (ကိုယ်စား)

(လှမောင်သိန်း၊ အမြဲတမ်းအတွင်းဝန်)

သယံဇာတနှင့်သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန

2. Environmental Quality Measurement and Results (18th January 2026 – 18th July 2026)

Baseline environmental parameters and sampling locations were defined according to the objectives for environmental impact assessment, and monitoring purposes. Locations for sampling and analysis of water quality, ambient air quality and noise level of the project site were identified by e Guard Environmental Services Co., Ltd.

2.1 Ambient Air Quality (18th January 2026 – 18th July 2026)

2.1.1 Methodology for Air Quality

The emissions of dust particles and gases were measured for 24hrs continuously at the selected sites using the Micro air quality monitoring system (YF-IAQM-V1). The results were compared with National Environmental Quality (Emission) Guidelines NEQEG, American Conference of Governmental Industrial Hygienists (ACGIH) and National Ambient Air Quality Standards (NAAQS). EPAS provides direct readings in real time with data-logging capabilities. Air quality is composed of dust and gas emissions of the ambient air.

Table 2. 1 Ambient Air Quality Measurement

Ambient Air Quality (1 location)	
Gas Emission	CO, CO ₂ , SO ₂ , NO ₂
Dust Emission	PM ₁₀ , PM _{2.5}

Table 2. 2 Equipment used to measure ambient air and noise measurement

Micro air quality monitoring system (YF-IAQM-V1) CO, CO₂, NO₂, O₃, SO₂, VOC, H₂S, PM₁₀, PM_{2.5}, TSP, Temperature, Humidity, Wind Speed, Wind Direction, Noise	
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2.1.2 Monitoring Location for Air Quality

Sampling locations were confirmed by environmental specialist on site before doing the sampling. Air quality was monitored at the selected one location (Thazi solar power project site (source) that can get results of the existing ambient air quality.



Figure 2. 1 Air Quality Monitoring Locations of Thazi Solar Power Project

Table 2. 3 Locations of Environmental Quality sampling points

Locations No.	Points	Coordinate	Locations
Ambient Air Quality Monitoring Location			
1.	AQ1	Lat - 20°52'56.59"N, Long - 96°02'8.04"E	Project Site

Figure 2. 2 Air Quality Measuring during Operation Period



Air quality measuring
at Thazi Solar Power Project
05.05.2026 - 06.05.2026
(Project Site)

2.1.3 Measurement Results and Comparison for Air Quality

The air quality monitoring was done at selected locations during 5th to 6th May 2026. During this survey, these parameters were measured with adequate devices named Environmental Perimeter Air Station (EPAS) viz; Particulate Matters (PM₁₀ and PM_{2.5}) and gases CO₂, CO,

SO₂ and NO₂ via 24-hour basis. The results and guidelines of all emission pollutants are shown in table.

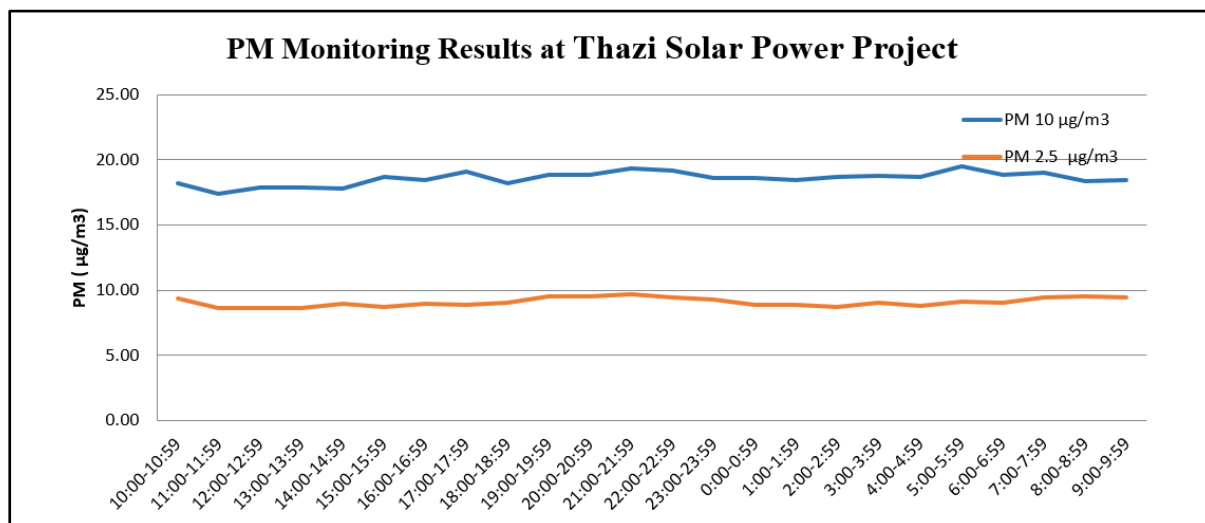


Figure 2. 3 PM Monitoring Results at Thazi Solar Power Project

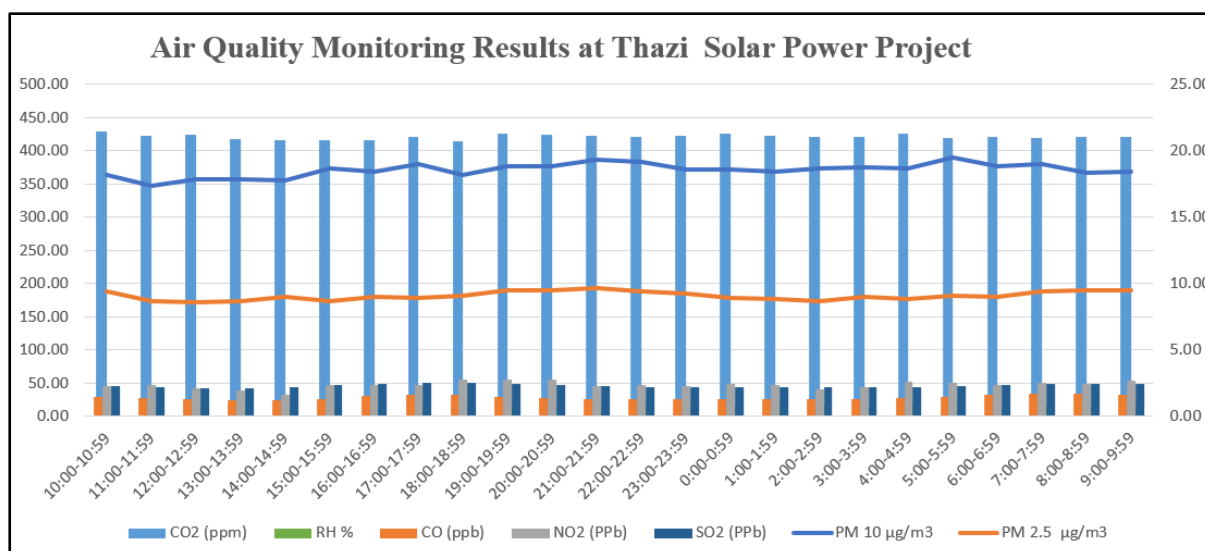


Figure 2. 4 Fluctuation of Air Pollutants during Dial Cycle at Thazi Solar Power Project

Particulate matters (PM₁₀ and PM_{2.5}) results are within guideline values as shown in table. Atmospheric particulate matters such as PM₁₀ and PM_{2.5} have their ability to reach the deepest part of lungs and so affect respiratory process. In this air quality survey of the project site, the surveyed results of these particulate matters gathered from EPAS. The results with one-hour intervals are shown in the following table.

Sulfur Dioxide (SO₂) is generated from combustion of fuels such as oil and coal, and as by-product from some chemical production or wastewater treatment processes. On-road and off-road vehicles are also emission sources of SO₂. SO₂ irritates the respiratory tract, injures lung tissues and reduces visibility and level of sunlight. The emission can be controlled by implementation of manufacturer recommended engine maintenance programs, good driving practices, installing and maintaining emissions control devices, and implementing a regular

vehicle maintenance and repair program.

Nitrogen Oxides (NO_x) in the ambient air consist of nitric oxide (NO), nitrogen dioxide (NO₂) and nitrous oxide (N₂O). NO₂ is formed by chemical reaction of NO and ozone. The main sources of NO₂ are combustion of fuel and on-road and off-road vehicles. NO₂ decreases lung function and resistance to infection. The gas emission can be monitored by combustion modification, flue gas recirculation, water/ steam injection and the same measures for SO₂ reduction.

Likewise, **Carbon Monoxide (CO) and Carbon dioxide (CO₂)** have the same emission sources and mitigation measures for SO₂ and NO₂. They are poisonous gases and cause damage to the respiratory organ. Guidelines 2013 adopted threshold limit values of CO₂ are 5,000 ppm for 8-hour, time-weighted average. Thus, it can be concluded that the existing CO₂ level is acceptable for human health.

Detail results and variation patterns with one-hour interval of pollutants are shown in tables and figures below. Results of average, peak and minimum of a day are calculated in the table.

Table 2. 4 Air Monitoring Results (Project Site)

Date	Time		CO ₂ (ppm)	CO (ppb)	NO ₂ (ppb)	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	RH%	SO ₂ (ppb)
05.05.2026	10:00-10:59	Average	428.65	1.49	2.28	18.22	9.39	16.83	2.32
05.05.2026	11:00-11:59	Average	422.10	1.37	2.37	17.35	8.65	16.89	2.16
05.05.2026	12:00-12:59	Average	423.75	1.31	2.16	17.86	8.62	16.94	2.09
05.05.2026	13:00-13:59	Average	418.27	1.24	1.96	17.87	8.66	16.90	2.13
05.05.2026	14:00-14:59	Average	416.48	1.23	1.64	17.76	8.98	17.06	2.20
05.05.2026	15:00-15:59	Average	416.18	1.34	2.40	18.72	8.71	17.20	2.33
05.05.2026	16:00-16:59	Average	415.86	1.53	2.35	18.47	8.99	17.28	2.43
05.05.2026	17:00-17:59	Average	420.81	1.63	2.38	19.05	8.90	17.31	2.50
05.05.2026	18:00-18:59	Average	414.75	1.60	2.82	18.22	9.05	17.01	2.50
05.05.2026	19:00-19:59	Average	425.73	1.49	2.81	18.85	9.53	17.02	2.44
05.05.2026	20:00-20:59	Average	424.04	1.39	2.80	18.81	9.52	16.96	2.35
05.05.2026	21:00-21:59	Average	422.61	1.34	2.25	19.33	9.65	16.99	2.27
05.05.2026	22:00-22:59	Average	421.82	1.32	2.37	19.19	9.44	17.03	2.22
05.05.2026	23:00-23:59	Average	422.05	1.29	2.25	18.60	9.26	17.14	2.21
06.05.2026	0:00-0:59	Average	425.31	1.30	2.42	18.63	8.90	16.93	2.19
06.05.2026	1:00-1:59	Average	422.44	1.30	2.37	18.47	8.84	17.00	2.20
06.05.2026	2:00-2:59	Average	421.08	1.31	2.06	18.66	8.69	17.12	2.20
06.05.2026	3:00-3:59	Average	421.05	1.33	2.19	18.78	9.02	16.92	2.19
06.05.2026	4:00-4:59	Average	425.82	1.39	2.58	18.65	8.81	17.26	2.22
06.05.2026	5:00-5:59	Average	419.43	1.49	2.54	19.52	9.10	17.32	2.26
06.05.2026	6:00-6:59	Average	421.75	1.62	2.35	18.84	9.04	17.35	2.34
06.05.2026	7:00-7:59	Average	418.94	1.71	2.52	19.03	9.42	17.33	2.44
06.05.2026	8:00-8:59	Average	420.89	1.69	2.43	18.39	9.50	17.00	2.49
06.05.2026	9:00-9:59	Average	421.90	1.60	2.72	18.47	9.48	17.11	2.46
Average			421.32	1.43	2.38	18.57	9.09	17.08	2.30
1 hour Minimum			414.75	1.23	1.64	17.35	8.62	16.83	2.09

1 hour Maximum	428.65	1.71	2.82	19.52	9.65	17.35	2.50
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Table 2. 5 Air Emission Levels (Standard)

No.	Parameter	Unit	Maximum Concentration	
			National	Average Period
1.	Carbon monoxide	mg/m ³	9	8-hour
2.	Carbon dioxide	ppm	5000	8-hour
3.	Sulfur dioxide	µg/m ³	20 500	24-hour 10-minute
4.	Nitrogen dioxide	µg/m ³	40 200	1 year 1 hour
5.	Particulate matter PM ₁₀	µg/m ³	20 50	1-year 24-hour
6.	Particulate matter PM _{2.5}	µg/m ³	10 25	1-year 24-hour

Source: Myanmar National Environmental Quality (Emission) Guidelines, National Ambient Air Quality Standards (NAAQS), American Conference of Governmental Industrial Hygienists (ACGIH).

Detail results with one-hour interval of pollutants are shown in **Table 2. 4**. The average, peak and minimum values of results per day are calculated. All results are under the Myanmar National Environmental Quality (emission) Guidelines.

Table 2. 6 Observed Ambient Air Quality Results from Selected Points

Parameters	5 th Time Monitoring Results	4 th Time Monitoring Results	EMP Baseline Results	NEQEG Guidelines Value	ACGIH Guidelines Value	NAAQS Guidelines Value	Unit	Averaging Period
PM ₁₀	18.57	11.67	39.52	50	-	-	µg/m ³	24hrs
PM _{2.5}	9.09	5.86	20.42	25	-	-	µg/m ³	24hrs
CO	0.0015	0.0014	0.00	-	-	9	ppm	8hrs
CO ₂	422.34	392.44	1506.84	-	5000	-	ppm	8hrs
SO ₂	6.02	5.24	3.09	20	-	-	µg/m ³	24hrs
NO ₂	5.29	5.97	23.12	200	-	-	µg/m ³	1hrs

2.2 Ambient Noise (18th January 2026 – 18th July 2026)

2.2.1 Methodology for Noise

Noise level LAeq (dBA) will be measured at the selected locations that can reflect the exposure of the nearest local community and sensitive locations. Duration and frequency were measured for 24hrs continuously at the selected site using the Sound Pressure Level Meter and Micro air quality monitoring system (YF-IAQM-V1).

The monitoring procedures, data analysis and interpretation were carried out in accordance with the instrument's manufacture and National Environmental Quality (Emission) Guidelines, World Health Organization (WHO) and International Finance Corporation (IFC) guidelines in order to be in line with Environmental Conservation Department, Ministry of Natural Resources and Environment Conservation (MONREC). "National Environmental Quality (Emission) Guidelines" for Myanmar was also presented the value of noise level as LAeq (dBA).

Table 2. 7 Noise level monitoring

Noise monitoring (2 locations)	
Noise Emission	LAeq (dBA) (1hrs, 24 hrs.)

Table 2. 8 Equipment used to measure ambient noise measurement

Digital Sound Level Meter Noise	
Micro air quality monitoring system (YF-IAQM-V1) CO, CO ₂ , NO ₂ , O ₃ , SO ₂ , VOC, H ₂ S, PM ₁₀ , PM _{2.5} , TSP, Temperature, Humidity, Wind Speed, Wind Direction, Noise	

2.2.2 Monitoring Location for Noise

Sampling locations were confirmed by environmental specialist on site before doing the sampling. Noise quality was monitored at the selected four locations as source as NQ 1- Project Site and NQ 2- staff housing that can get results of the existing noise.

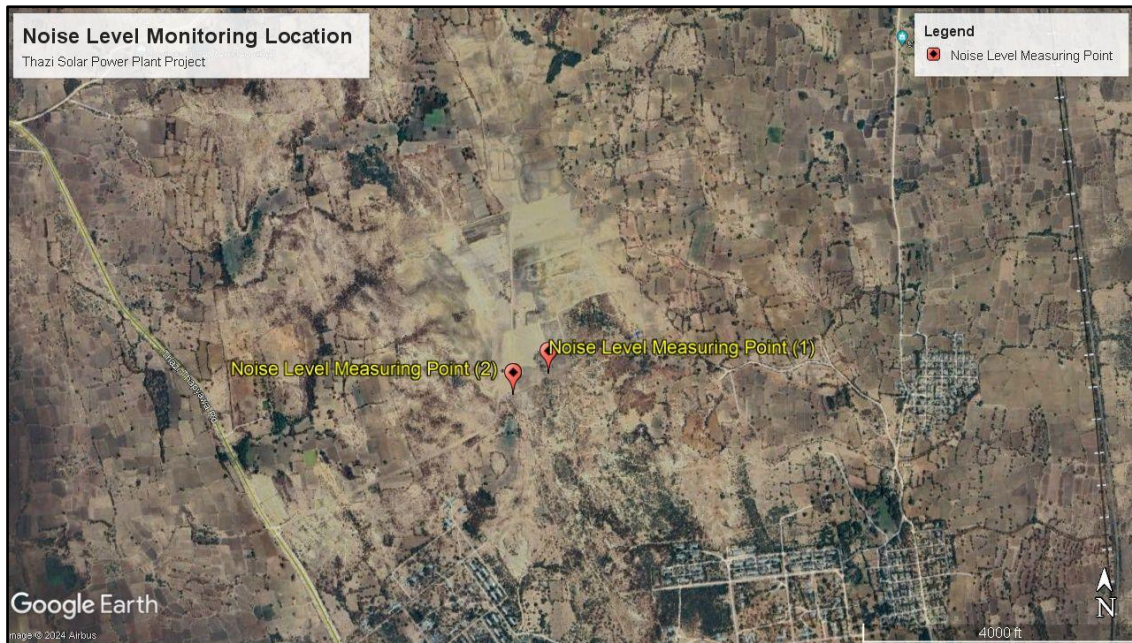


Figure 2. 5 Noise Quality Monitoring Locations of Thazi Solar Power Project

Table 2. 9 Locations of Environmental Quality sampling points

Locations No.	Points	Coordinate	Locations
Noise Monitoring Location			
1.	NQ1	Lat - 20°52'56.59"N, Long - 96°02'8.04"E	Project Site
2.	NQ2	Lat - 20°52'59.232"N, Long - 96°2'20.561"E	Project Site (Receptor)

Figure 2. 6 Noise Quality Measuring during Operation Period

	Noise quality measuring at Thazi Solar Power Project 05.05.2026 - 06.05.2026 (Project Site)
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Noise quality measuring
at Thazi Solar Power Project
05.05.2026 - 06.05.2026
(Staff Housing)

2.2.3 Measurement Results and Comparison for Noise

Ambient noise level for the proposed project was measured with Digital Sound Level Meter at the project site. The noise level measurement is conducted at Thazi solar power project points: these points are nearly the air monitoring points and staff housing from 05th to 06th May 2026. Measuring period is 24 hours continuously. The observed values are described in Table 2. 10 and Table 2. 11 and the following figures are noise level measurement at the proposed project.

Table 2. 10 Observed Values of Noise Level Measurement at Project Site

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
1	06.05.2026	7:00:32-7:59:32	51.30	A	Day	50.08
2	06.05.2026	8:00:32-8:59:32	49.78	A	Day	
3	06.05.2026	9:00:32-9:59:32	60.88	A	Day	
4	05.05.2026	10:00:32-10:59:32	48.64	A	Day	
5	05.05.2026	11:00:32-11:59:32	58.09	A	Day	
6	05.05.2026	12:00:32-12:59:32	48.45	A	Day	
7	05.05.2026	13:00:32-13:59:32	52.73	A	Day	
8	05.05.2026	14:00:32-14:59:32	53.19	A	Day	
9	05.05.2026	15:00:32-15:59:32	48.94	A	Day	
10	05.05.2026	16:00:32-16:59:32	47.57	A	Day	
11	05.05.2026	17:00:32-17:59:32	54.87	A	Day	
12	05.05.2026	18:00:32-18:59:32	55.37	A	Day	
13	05.05.2026	19:00:32-19:59:32	42.06	A	Day	
14	05.05.2026	20:00:32-20:59:32	40.80	A	Day	
15	05.05.2026	21:00:32-21:59:32	38.48	A	Day	
16	05.05.2026	22:00:32-22:59:32	37.19	A	Night	41.99
17	05.05.2026	23:00:32-23:59:32	35.46	A	Night	
18	06.05.2026	0:00:32-0:59:32	35.68	A	Night	

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
19	06.05.2026	1:00:32-1:59:32	34.85	A	Night	
20	06.05.2026	2:00:32-2:59:32	36.76	A	Night	
21	06.05.2026	3:00:32-3:59:32	47.71	A	Night	
22	06.05.2026	4:00:32-4:59:32	50.41	A	Night	
23	06.05.2026	5:00:32-5:59:32	49.64	A	Night	
24	06.05.2026	6:00:32-6:59:32	50.18	A	Night	
Average			47.04			

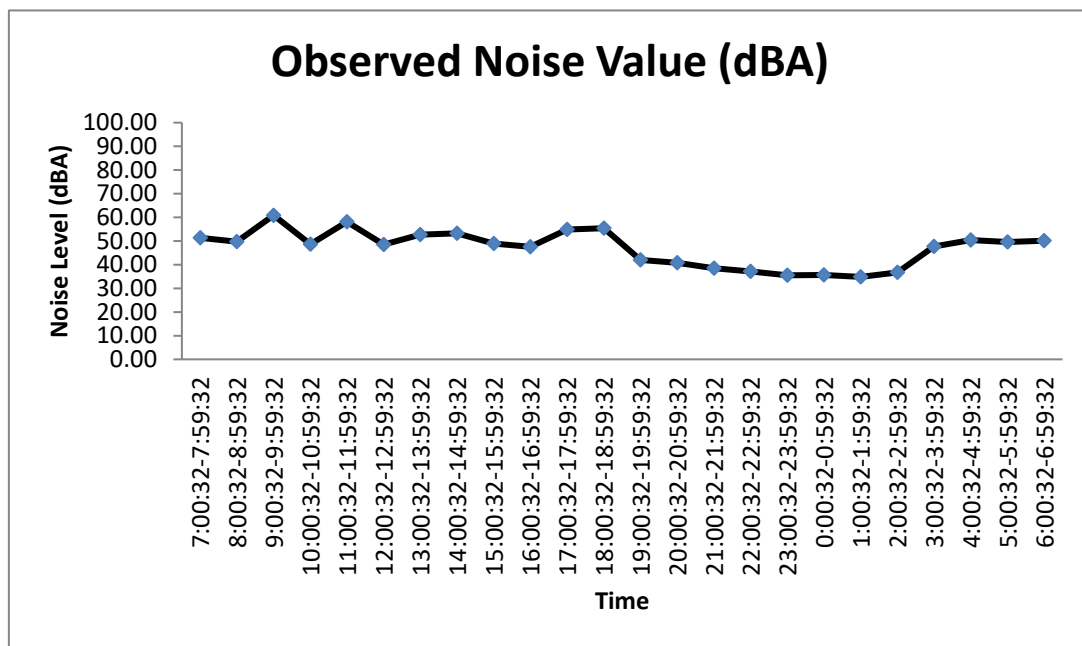


Figure 2. 7 Noise Level at Project Site

Table 2. 11 Observed Values of Noise Level Measurement at Staff Housing

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
1	06.05.2026	7:00:32-7:59:32	53.85	A	Day	51.99
2	06.05.2026	8:00:32-8:59:32	53.67	A	Day	
3	06.05.2026	9:00:32-9:59:32	54.05	A	Day	
4	05.05.2026	10:00:32-10:59:32	47.49	A	Day	
5	05.05.2026	11:00:32-11:59:32	61.11	A	Day	
6	05.05.2026	12:00:32-12:59:32	52.55	A	Day	
7	05.05.2026	13:00:32-13:59:32	46.73	A	Day	
8	05.05.2026	14:00:32-14:59:32	55.68	A	Day	
9	05.05.2026	15:00:32-15:59:32	51.49	A	Day	

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
10	05.05.2026	16:00:32-16:59:32	49.38	A	Day	49.44
11	05.05.2026	17:00:32-17:59:32	50.44	A	Day	
12	05.05.2026	18:00:32-18:59:32	60.66	A	Day	
13	05.05.2026	19:00:32-19:59:32	52.09	A	Day	
14	05.05.2026	20:00:32-20:59:32	46.15	A	Day	
15	05.05.2026	21:00:32-21:59:32	44.57	A	Day	
16	05.05.2026	22:00:32-22:59:32	43.74	A	Night	49.44
17	05.05.2026	23:00:32-23:59:32	42.81	A	Night	
18	06.05.2026	0:00:32-0:59:32	42.99	A	Night	
19	06.05.2026	1:00:32-1:59:32	43.43	A	Night	
20	06.05.2026	2:00:32-2:59:32	59.74	A	Night	
21	06.05.2026	3:00:32-3:59:32	53.61	A	Night	
22	06.05.2026	4:00:32-4:59:32	47.71	A	Night	
23	06.05.2026	5:00:32-5:59:32	52.11	A	Night	
24	06.05.2026	6:00:32-6:59:32	58.84	A	Night	
Average			51.04			

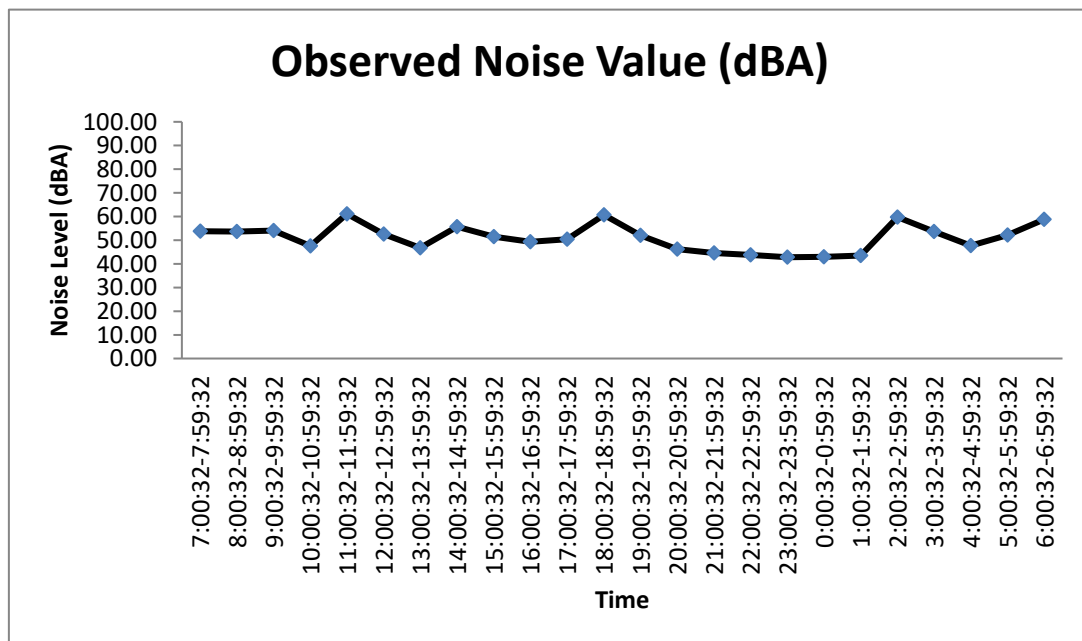


Figure 2. 8 Noise Level at Staff Housing

Table 2. 12 National Environmental Quality (Emission) Guidelines Values for Noise Level

Receptor	One Hour LAeq (dBA)	
	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
Industrial, commercial	70	70

The observed values are compared with the National Environmental Quality (Emission) Guidelines as shown in Table 2. 13 which indicates the separate level for residential and industrial points.

Table 2. 13 Observed Ambient Noise Level Results from Selected Points

Point	Thazi Solar Power Project	
	Day Time	Nighttime
5th Time - Project Site (Source)	50.08	41.99
4th Time Monitoring Results (Project Site) (Source)	67.36	59.43
EMP Baseline Results (Point 1)	41.95	53.51
Guideline Values for Industrial	70	70
5th Time - Staff Housing (Receptor)	51.99	49.44
4th Time Monitoring Results (Staff Housing) (Receptor)	51.45	56.47
EMP Baseline Results (Point 2)	51.12	60.08
Guideline Values for Residential	55	45

The observed values of the proposed project for daytime at Thazi Solar Power Project Site (source) and Staff Housing (Receptor) are 50.08 dB (A) and 51.99 dB (A). The observed values of the proposed project for nighttime at Thazi Solar Power Project Site (source) and Staff Housing (Receptor) are 41.99 dB (A) and 49.44 dB (A). So, the observed daytime value and nighttime value for Thazi Solar Power Project Site (source) are lower than the guideline value

and the observed daytime value for staff housing (receptor) is lower than the guideline value. But the observed nighttime value for staff housing (receptor) is higher than the guideline value because monitoring location is near Meikhtila – Taung Gyi Highway Road, this road is passing through more motorcycle and car and dog barking and bird chirping at the time of measurement.

2.3 Weather Condition (18th January 2026 – 18th July 2026)

2.3.1 Wind Speed and Direction

The following figures describe the wind speed and wind direction of the proposed project site (Thazi solar power project Site at source) on 05th to 06th May 2026 respectively. According to the data, the wind direction is following Figure 2. 9 and Figure 2. 10.

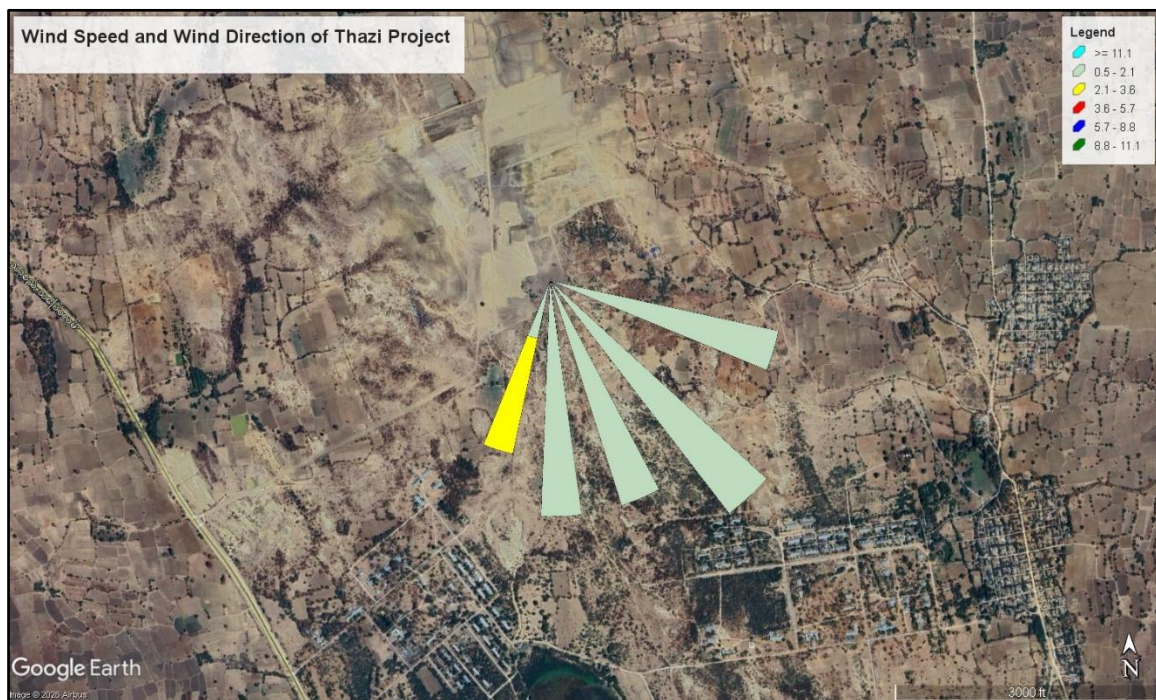


Figure 2. 9 Wind Speed and Wind Direction (Blowing From) at Project Site

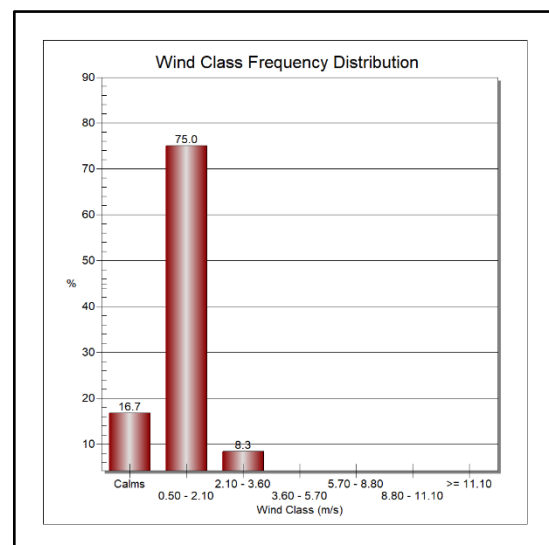
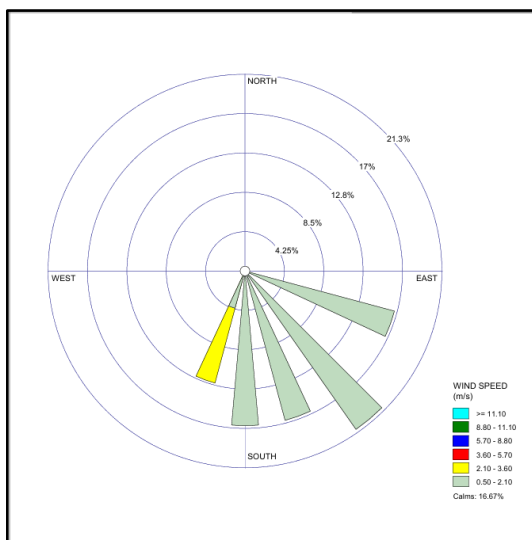


Figure 2. 10 Wind Class Frequency Distribution at Project Site

2.3.2 Significant natural or manmade disaster (18th January 2026 – 18th July 2026)

During the monitoring period from 18th January 2026 to 18th July 2026, no significant natural or manmade disasters were officially reported in Ywa-Gyi Village Tract and Ywa Pale Village Tract, Thazi Township, Meiktila District, Mandalay Region. There were no recorded incidents of severe flooding, landslides, cyclones, major fires, industrial accidents, hazardous material spills, or other large-scale disasters that caused significant impacts on local communities, infrastructure, or the environment within the project area during this period.

2.4 Water Quality (18th January 2026 – 18th July 2026)

2.4.1 Methodology for Water Quality

Water samples were collected on site with appropriate sampling equipment and procedures. The sampling team has pre-arranged with the labs in Yangon for analysis and logistic arrangement made to reach the preserved samples with unique IDs to the designated labs within 48hrs.

The sampling and survey team has a list of local laboratories providing analytical services for ground water, and wastewater quality analysis. Up to this date, there is no laboratory having accredited certification for water quality testing (environmental analysis) in Myanmar. PRO Lab (Myanmar), Water Quality Laboratory (Forest Research Institute). Laboratories are used for water quality analysis among the list of laboratories. These laboratories have been recognized as a long-term establishment in Myanmar and employed qualified technical staffs.

The following laboratories were used for analysis of water.

1. PRO Lab, No. (9), Sabae Housing, Pyi Htaung Su Road, (26) Ward, South Dagon Tsp, Yangon, Myanmar. Tel: 09 893 767424
2. Water Quality Laboratory, Forest Research Institute, Yezin, Nay Pyi Taw. Tel: 09 430 19169, 09 420 705131

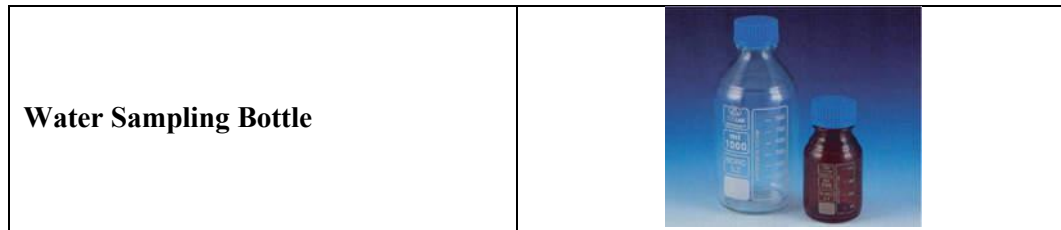
Water samplings are conducted using the following equipment as shown in figure.

Table 2. 14 Environmental Quality Parameters for Water quality

Wastewater Parameters (1 location)	
Physical Parameter	Total Suspended Solids
Chemical Parameter	BOD, COD, pH
Biological Parameter	Total Coliform Bacteria
Nutrients	Total Nitrogen, Total Phosphorus
Compounds	Oil & grease
Ground Water Parameters (1 location)	
Physical Parameter	Total Suspended Solids, Turbidity, Total Dissolved Solids, Dissolved Oxygen

Chemical Parameter	BOD, COD, pH, EC, Salinity, Oxidation Reduction Potential (ORP)
Biological Parameter	Total Coliform Bacteria
Metal	Potassium
Nutrients	Total Nitrogen, Total Phosphorus
Compounds	Oil & grease

Figure 2. 11 Equipment for Water Sampling



2.4.2 Monitoring and Sampling Locations

Sampling locations were confirmed by environmental specialist on site before doing the sampling. Water quality sampling locations consist of one wastewater location (WWQ: outlet of wastewater channel from the project site) and one ground water location (GWQ: Project Site) which is situated near the project site).

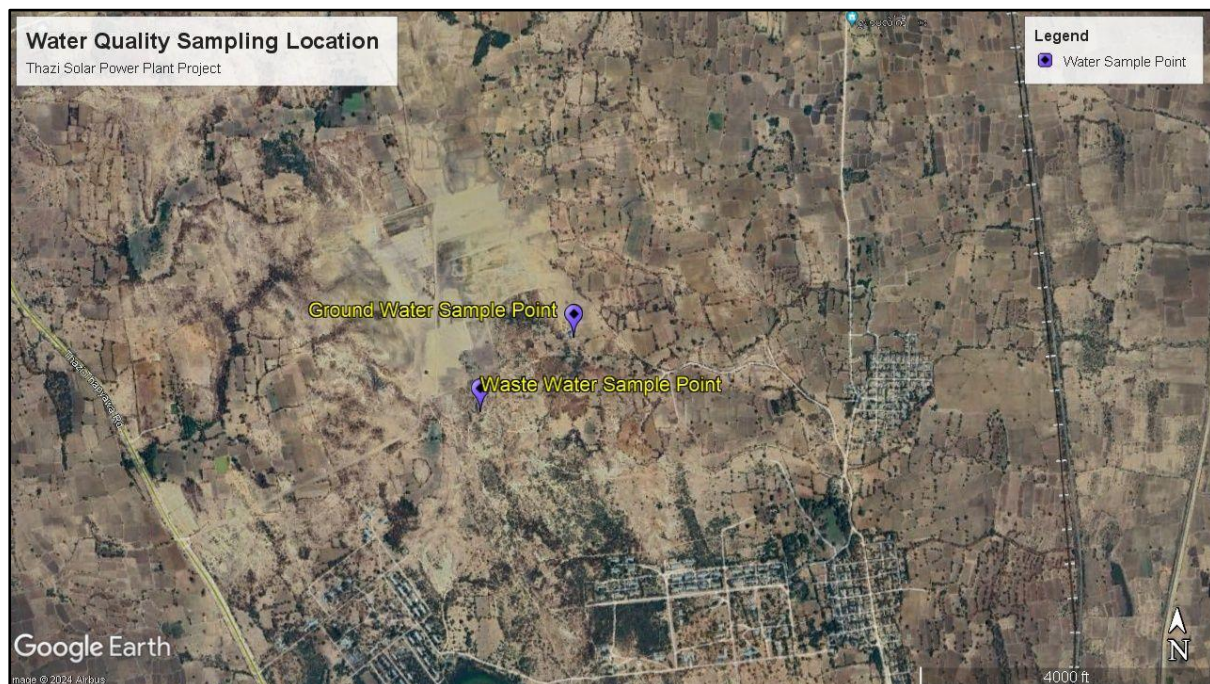


Figure 2. 12 Water Quality Sampling Locations of Thazi Solar Power Project

Table 2. 15 Locations of Environmental Quality sampling points

Locations No.	Points	Coordinate	Locations
Waste Water Quality Monitoring Location			

Locations No.	Points	Coordinate	Locations
1.	WWQ	Lat - 20°52'58.48"N, Long - 96° 2'16.47"E	Outlet of wastewater cannal from the project site
Ground Water Quality Monitoring Location			
1.	GWQ	Lat - 20°53'3.93"N, Long - 96°02'15.97"E	Project Site

Figure 2. 13 Water Quality Measuring during Operation Period

	Wastewater Quality Sampling at Thazi Solar Power Project 05.05.2026 (Outlet of wastewater cannal from the project site)
	Ground Water Quality Sampling at Thazi Solar Power Project 05.05.2026 (Project Site)

2.4.3 Water quality

The project proponent is responsible for ensuring the drainage or runoff from the project or its related activities do not deteriorate the existing surface water and ground water quality before the project implementation. Waste water and ground water quality were recorded by laboratory analysis at two selected locations systematically. The field surveys for environmental quality monitoring and sampling were done during 05th May 2026.

Objectives of the sampling and analysis of wastewater and ground water are to understand the existing water quality at the selected locations and to monitor the impacts during operation period.

Table 2. 16 Ground Water Quality of Thazi Solar Power Project

Item	Unit	Ground Water (5 th Time)	Ground Water (4 th Time)	EMP Baseline Results	WHO Drinking Water Guideline	NDWQS (2014), MOH, Myanmar.
Biological Oxygen Demand (BOD)	mg/l	0.26	1.34	1.71	-	-
Chemical Oxygen Demand (COD)	mg/l	4.4	5.2	4.2	-	-
Dissolved Oxygen (on-site)	mg/l	3.80	12.66	5.77	-	-
Electrical Conductivity (on-site)	mS/cm	1.25	1.33	1.66	-	-
pH (on-site)	-	7.68	7.18	7.73	6.5-8.5	-
Oil & Grease	mg/l	1	2	3	-	-
Oxidation Reduction Potential (ORP) (on-site)	ORPmV	253	215	327	-	-
Salinity (on-site)	ppt	0.7	0.7	0.8	-	-
Turbidity (on-site)	NTU	13	11.0	245	-	-
Total Dissolved Solids (on-site)	g/l	0.965	0.850	1.06	-	-
Total Nitrogen	mg/l	1.4	1.12	1.22	-	-
Total Phosphorus	mg/l	0.01183	0.0035	0.02569	-	-
Total suspended solid (TSS)	mg/l	5	16.4	110.33	-	-
Total coliform bacteria	MPN/ml	<0.3	<0.3	4.3	Not detected	3
Potassium	mg/l	1.82	1.05	21	-	-
Chromium	mg/l	-	-	0.01278	-	-
Aluminum	mg/l	-	-	0.008	-	-

Table 2. 17 Wastewater Quality of Thazi Solar Power Project

Item	Unit	Waste Water (5 th Time)	Waste Water (4 th Time)	National Environmental Quality (Emission) Guideline for Electric Power Transmission and Distribution
Biological Oxygen Demand (BOD)	mg/l	0.73	1.25	30
Chemical Oxygen Demand (COD)	mg/l	5.6	4.4	125
pH	-	8.71	8.54	6-9

Total Nitrogen	mg/l	1.4	1.26	10
Total Phosphorus	mg/l	0.01074	0.14652	2
Oil and grease	mg/l	9	1	10
Total suspended solid (TSS)	mg/l	1	15.2	50
Total coliform bacteria	CFU/100ml	<0.3	<0.3	400

3. ENVIRONMENTAL MONITORING PLAN (18th January 2026 – 18th July 2026)

3.1 Monitoring Records for Safety Plan (18th January 2026 – 18th July 2026)

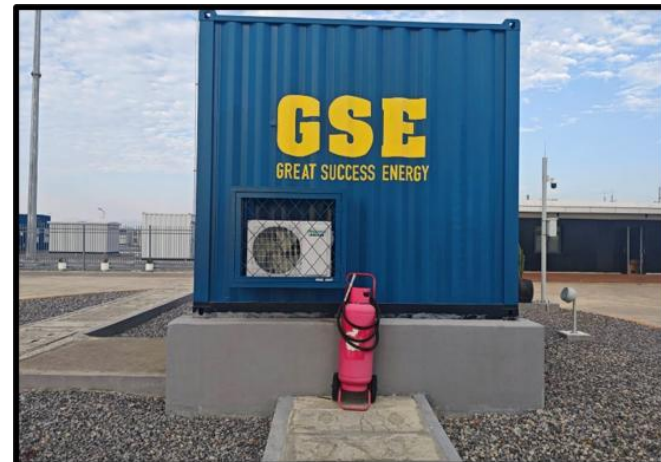
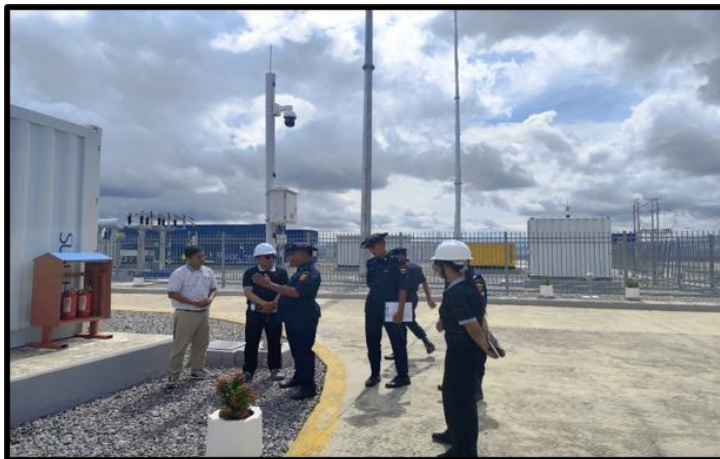
Monitoring Records for Safety Plan

Monthly Record					
Date	Place	Activity	Organization	Number of Attends	Remarks
25.2.2026	Working Area	Aware Training About PPE	Thazi Solar Power Plant	30	
2.7.2026	Power Station	Fire Safety Training	Thazi Solar Power Plant	50	
2.4.2026	Working Area	Electrical Safety Training	Thazi Solar Power Plant	30	
13.5.2026	Power Station	Provide PPE Safety Equipment	Thazi Solar Power Plant	30	
29.6.2026	PV Field	Electrical Safety Training	Thazi Solar Power Plant	30	

Monitoring Record for Occupational Safety Equipment

Date	Place	Type	Quantity	Inspected By	Supervisor	Remark
8.April.2026	Store	Safety Shoe	25	U Sai Bo Bo	U Kyaw Zin Htet	
8.April.2026	Store	Safety Gloves	50	U Sai Bo Bo	U Kyaw Zin Hte	
8.April.2026	Store	Safety Helmet	30	U Sai Bo Bo	U Kyaw Zin Htet	
8.April.2026	Store	Safety Belt	25	U Sai Bo Bo	U Kyaw Zin Htet	

Records Photo of Health and Safety Plan Activities



Fire Extinguisher Check List

No	Date	Description	Location	Number	Unit	Remarks
1	5/6/2026	Fire Extinguisher (50Kg)	Power Station	1	Nos	1
2	5/6/2026	Fire Extinguisher (5Kg)	Power Station	5	Nos	2
3	5/6/2026	Fire Extinguisher (5Kg)	Briefing Hall	3	Nos	3
4	5/6/2026	Fire Extinguisher (5Kg)	6Unit	2	Nos	4
5	5/6/2026	Fire Extinguisher (5Kg)	Messing	2	Nos	5
6	5/6/2026	Fire Extinguisher (5Kg)	Kitchen Room	3	Nos	6
7	5/6/2026	Fire Extinguisher (5Kg)	Main Gate	2	Nos	7
8	5/6/2026	Fire Extinguisher (5Kg)	Gate (1)	2	Nos	8
9	5/6/2026	Fire Extinguisher (10Kg)	Primary Cabin	2	Nos	9
10	5/6/2026	Fire Extinguisher (10Kg)	Secondary Cabin	2	Nos	10
11	5/6/2026	Fire Extinguisher (5Kg)	SVG X'mer	2	Nos	11
12	5/6/2026	Fire Extinguisher (5Kg)	Station X'mer	2	Nos	12
13	5/6/2026	Fire Extinguisher (5Kg)	BESS (1)	2	Nos	13
14	5/6/2026	Fire Extinguisher (5Kg)	BESS (2)	2	Nos	14
15	5/6/2026	Fire Extinguisher (5Kg)	BESS (3)	2	Nos	15
16	5/6/2026	Fire Extinguisher (5Kg)	BESS (4)	2	Nos	16
17	5/6/2026	Fire Extinguisher (5Kg)	BESS (5)	2	Nos	17

No	Date	Description	Location	Number	Unit	Remarks
18	5/6/2026	Fire Extinguisher (5Kg)	BESS (6)	2	Nos	18
19	5/6/2026	Fire Extinguisher (5Kg)	BESS (7)	2	Nos	19
20	5/6/2026	Fire Extinguisher (5Kg)	STS	2	Nos	20
21	5/6/2026	Fire Extinguisher (5Kg)	Box X'mer (1)	3	Nos	21
22	5/6/2026	Fire Extinguisher (5Kg)	Box X'mer (2)	3	Nos	22
23	5/6/2026	Fire Extinguisher (5Kg)	Box X'mer (3)	3	Nos	23
24	5/6/2026	Fire Extinguisher (5Kg)	Box X'mer (4)	3	Nos	24
25	5/6/2026	Fire Extinguisher (5Kg)	Box X'mer (5)	3	Nos	25
26	5/6/2026	Fire Extinguisher (5Kg)	Mechanic	2	Nos	26
27	5/6/2026	Firefighting Water tank (2000L)	Box X'mer (4 & 5)	2	Nos	27
28	5/6/2026	Firefighting Water tank (1500L)	Box X'mer (1 & 2)	2	Nos	28
29	5/6/2026	Firefighting Water tank (1500L)	Box X'mer (3)	1	Nos	29
	Total		61	Nos		

အရေးပေါ်အခြေအနေတုံ့ပြန်နိုင်မှု အစီအစဉ်		
စီမံကိန်းလုပ်ငန်းခွင်အတွင်းမှ အရေးကြီး ဆက်သွယ်ရမည့် ဖုန်းနံပါတ်များ		
အမည်	ရာထူး	ဖုန်းနံပါတ်
ဦးကျော်ဇင်ထက်	စက်ရုံမှူး	၀၉-၂၅၉၂၀၁၉၅၅
ဦးစိုင်းဘိုဘို	ဒု- စက်ရုံမှူး	၀၉-၄၂၀၇၃၂၃၅၂
ဦးကျော်ဝင်းနိုင်	လုပ်ငန်းခွင်အန္တရာယ်ကင်းရှင်းရေးအရာရှိ	၀၉-၆၈၅၃၀၉၀၆၄
ဦးအာကာထက်ပိုင်	ကြီးကြပ်ရေးမှူး	၀၉-၄၄၄၁၁၀၄၃
ဦးရှုခိုင်	ရှေးဦးသူနာပြု	၀၉-၆၇၇၇၈၆၉၁၁
ဦးသူထူးစံ	အရေးပေါ်အခြေအနေထိန်းချုပ်ရေးမှူး	၀၉-၆၆၇၂၈၇၇၆၇

အရေးကြီး ဆက်သွယ်ရမည့် ဒေသအတွင်းဖုန်းနံပါတ်များ		
အမည် (ဌာန)	အကြောင်းအရာ	ဖုန်းနံပါတ်
မြို့နယ်မီးသတ်ဌာန	မီးလောင်ခြင်းအတွက်	၀၆၄-၂၀၆၉၁၉၁
မြို့နယ်ရဲစခန်း	လုံခြုံရေးကိစ္စများအတွက်	၀၉-၄၂၈၃၂၅၄၉၁
မြို့နယ်ဆေးရုံ	ထိခိုက်ဒဏ်ရာရသူများအတွက်	၀၉-၄၂၀၁၇၄၄၆၇
မြို့နယ်လျှပ်စစ်ဌာန	လျှပ်စစ်မီးကိစ္စ	၀၉-၄၄၁၂၅၅၅၀၅
မြို့နယ် အထွေအထွေ အုပ်ချုပ်ရေးဌာန	အထွေအထွေ အုပ်ချုပ်ရေးကိစ္စ	၀၉-၂၆၅၀၀၅၀၉၆

4. Records for CSR activities (18th January 2026 – 18th July 2026)

Records for CSR Activities

Date	Place	Type	Amount (MMK) / Activities	Received by
29.1.2026	ကံစွယ်ကျေးရွာ	ဆိုလာကြမ်းခင်းလှူဒါန်းခြင်း		
25.2.2026	ရွာကြီးကျေးရွာ	ရွှေယင်မျှော်ဘုရား ဆွမ်းလောင်းလှူခြင်း		

Date	Place	Type	Amount (MMK) / Activities	Received by
2.3.2026	ကျီတိုင်ကုန်းကျေးရွာ	ဘုရားထီးတော်တင်လှူပွဲတွင် ဝတ္ထုငွေလှူဒါန်းခြင်း		
26.4.2026	ရွာကြီးကျေးရွာ	ရွှေယင်မျှော်ဘုရားအတွက် ဝတ္ထုငွေကျပ်သိန်းတစ်ရာ လှူဒါန်းခြင်း		
2.5.2026	ကျီတိုင်ကုန်းကျေးရွာ	ပဌာန်းပိတ်ပွဲတွင် အချိုရည် နှင့် ဝတ္ထုငွေလှူဒါန်းခြင်း		
30.5.2026	ရွာပုလဲကြီးကျေးရွာ	ဘုရားထီးတော်တင်လှူပွဲတွင် ဝတ္ထုငွေလှူဒါန်းခြင်း နှင့် ရွာအဝင်ဆိုင်းဘုတ် လှူဒါန်းခြင်း		
5.6.2026	ရွာကြီးကျေးရွာ	ကျေးလက်ကျန်းမာရေးဌာနတွင်ဆေးဝါးများလှူဒါန်းခြင်း		
23.6.2026	သာစည်မြို့	ငါးဆူဘုရားအတွက် ဝတ္ထုငွေကျပ်သိန်းတစ်ရာ လှူဒါန်းခြင်း		
30.6.2026	သာစည်မြို့	လေဘာတီဂေါက်ကလပ်အတွက် ရန်ပုံငွေထည့်ဝင် လှူဒါန်းခြင်း		
12.7.2026	ဗိုလ်ကုန်းကျေးရွာ	စာသင်ကျောင်းအတွက် စာရေးကိရိယာများ လှူဒါန်းခြင်း		

Photo Record for CSR Activities



5. Records for GRM (18th January 2026 – 18th July 2026)

Monitoring Records for GRM

Monthly Record					
Date	Place	Activity	Organization Or Individual	Action Plan	Recorded by
February, 2026	Great Success Energy Plant	-	-	-	U Kyaw Zin Htet
March, 2026	Great Success Energy Plant	-	-	-	U Kyaw Zin Htet
April, 2026	Great Success Energy Plant	-	-	-	U Kyaw Zin Htet
May, 2026	Great Success Energy Plant	-	-	-	U Kyaw Zin Htet
June, 2026	Great Success Energy Plant	-	-	-	U Kyaw Zin Htet
July, 2026	Great Success Energy Plant	-	-	-	U Kyaw Zin Htet

GRM Organization of Thazi Solar Power Project

မကျေလည်မှုများ ဖြေရှင်းရေး ကော်မတီ			
စဉ်	အမည်	တာဝန်	ဌာန
၁	ဦးစိုးဝင်း	ဥက္ကဋ္ဌ	
၂	ဦးရှုခိုင်	အတွင်းရေးမှူး	GSE Co., Ltd
၃	ဦးနိုင်လင်း	အဖွဲ့ဝင် (၁)	ကျိတိုင်ကုန်းကျေးရွာ
၄	ဦးဆယ်ကြည်	အဖွဲ့ဝင် (၂)	ရွာပုလဲကြီးကျေးရွာ
၅	ဦးသန်းစိုးအောင်	အဖွဲ့ဝင် (၃)	GSE Co., Ltd

6. Records for Waste Disposal (18th January 2026 – 18th July 2026)

Records for Waste Disposal

Date	Place	Type	Amount	Inspected By
25.1.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို/အမှိုက်ခြောက်	60 Kg	U Sai Bo Bo
14.2.2026	ဝန်ထမ်းလိုင်းများ /ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	58 Kg	U Sai Bo Bo
28.2.2026	ဝန်ထမ်းလိုင်းများ /ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	52 Kg	U Sai Bo Bo
10.3.2026	ဝန်ထမ်းလိုင်းများ /ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	56 Kg	U Sai Bo Bo
22.3.2026	ဝန်ထမ်းလိုင်းများ /ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	53 Kg	U Sai Bo Bo
3.4.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	60 Kg	U Sai Bo Bo
26.4.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	62 Kg	U Sai Bo Bo
13.5.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	51 Kg	U Sai Bo Bo
24.5.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	52 Kg	U Sai Bo Bo
5.6.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	59 Kg	U Sai Bo Bo
28.6.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	57 Kg	U Sai Bo Bo
10.7.2026	ဝန်ထမ်းလိုင်းများ / ရုံး	အမှိုက်စို / အမှိုက်ခြောက်	52 Kg	U Sai Bo Bo

Records Photo for Waste Disposal



Appendix 1 (Water Results) (18th January 2026 – 18th July 2026)



The Government of the Republic of the Union of Myanmar
Ministry of Natural Resources and Environmental Conservation
Department of Forest
Forest Research Institute
Water Quality Laboratory, Yezin



Ref : WQL/0226/2026
 Date: 20-5-2026

ANALYTICAL TEST REPORT

Customer Name: **Thazi Solar Power Project**

Customer Address : **E Guard Environmental Service Co.,Ltd**

Assignment number	WQL/2026-84-1	Sampling Location	Thazi Township
Sample number	GW	Sampling Date	-
Sample type	Ground Water	Sample received date	4-5-2026
Comments			

Parameter	Result	Unit	Method reference	Instruments
Biological Oxygen Demand	0.26	mg/L	Manual	YSI ProDO Tester
Chemical Oxygen Demand	4.4	mg/L	Titrimetric	Titration
Total Phosphorus	11.83	µg /L	NS 4725	SFA(SKALAR SAN plus Analyzer)SA 3000/5000,SA 1100
Total Nitrogen	1.4	mg/L	Kjeldahl	Kjeldahl Digestion & Distillation Unit
Total Suspended Solid	5	mg/L	NS 4733:1983/NS-EU 872:2005	Circulation and Filtration System
Potassium	1.82	mg/l	Spectrophotometric	Atomic Absorption Spectrophotometer, AA 7000, SHIMADZU

*ND - Not Detected

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

Tested by

Signature:

Name: Dr. Thida Cho
 Research Officer

Approved by

Signature:

Name: Dr. Thida Swe
 Research Officer



The Government of the Republic of the Union of Myanmar
Ministry of Natural Resources and Environmental Conservation



Department of Forest
Forest Research Institute
Water Quality Laboratory, Yezin

Ref : WQL/0227/2026

Date: 20-5-2026

ANALYTICAL TEST REPORT

Customer Name: **Thazi Solar Power Project**

Customer Address : **E Guard Environmental Service Co.,Ltd**

Assignment number	WQL/2026-84-2	Sampling Location	Thazi Township
Sample number	WW	Sampling Date	-
Sample type	Waste Water	Sample received date	4-5-2026
Comments			

Parameter	Result	Unit	Method reference	Instruments
Biological Oxygen Demand	0.73	mg/L	Manual	YSI ProDO Tester
Chemical Oxygen Demand	5.6	mg/L	Titrimetric	Titration
Total Phosphorus	10.74	µg /L	NS 4725	SFA(SKALAR SAN plus Analyzer)SA 3000/5000,SA 1100
Total Nitrogen	1.4	mg/L	Kjeldahl	Kjeldahl Digestion & Distillation Unit
Total Suspended Solid	1	mg/L	NS 4733:1983/NS-EU 872:2005	Circulation and Filtration System
pH	8.71	-	ISO 10523:2008	ManTech Robot (PC-1300-475E)

*ND - Not Detected

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

Tested by

Signature:

Name: Dr. Thida Cho
Research Officer

Approved by

Signature:

Name: Dr. Thida Swe
Research Officer



ANALYTICAL LABORATORY

Myanmar Innovation Group of Co., Ltd

Address : No. (9), Sabae Housing, Pyi Htaung Su Road,
(26) Ward, South Dagon Tsp, Yangon, Myanmar.

Tel : 09-893 767 424

E-mail : info@prolabmyanmar.com

LABORATORY ANALYSIS REPORT

- 1 Client Name : Thazi Solar Power Project
- 2 Location : Thazi Township
- 3 Type of Sample : Ground Water
- 4 Sample No. : 00511/2026
- 5 Contact Person : Eguard Enviromental Services
- 6 Phone No. : 09-797005218
- 7 Date Received : 07.05.2026
- 8 Date of Test Performed : 07.05.2026
- 9 Date of Issued : 13.05.2026
- 10 Result :

No.	Parameter	Result	Unit	WHO STD 2018	Method
1	Dissolved Oxygen	3.80	mg/L	6 mg/L	Hanna HI98193 - DO and BOD Meter
2	Oil and Grease	1	mg/L	NA	^(a) 5520D, Soxhlet Extraction Method
3	Total Coliform	< 0.3	MPN/ml	ND per 100 mL	FDA-BAM: MPN Method

Remark:

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

^(a) American Public Health Association, Standard Methods for the Examination of Water and Wastewater.

Tested By

Name : PHYO PHYO AUNG

Position : Laboratory Technician

Signature :

Approved By

Name : KYAWT KYAWT YIN

Position : Technical Consultant Manager

Signature :



LAB-FO-024-00

**ANALYTICAL LABORATORY**

Myanmar Innovation Group of Co., Ltd

Address : No. (9), Sabae Housing, Pyi Htaung Su Road,
(26) Ward, South Dagon Tsp, Yangon, Myanmar.

Tel : 09-893 767 424

E-mail : info@prolabmyanmar.com

LABORATORY ANALYSIS REPORT

- 1 Client Name : Thazi Solar Power Project
2 Location : Thazi Township
3 Type of Sample : Waste Water
4 Sample No. : 00512/2026
5 Contact Person : Eguard Enviromental Services
6 Phone No. : 09-797005218
7 Date Received : 07.05.2026
8 Date of Test Performed : 07.05.2026
9 Date of Issued : 13.05.2026
10 Result :

No.	Parameter	Result	Unit	WHO STD 2018	Method
1	Oil and Grease	9	mg/L	-	(a) 5520D, Soxhlet Extraction Method
2	Total Coliform	< 0.3	MPN/ml	-	FDA-BAM: MPN Method

Remark:**This certificate is issued only for the receipt of the test sample.****Dispose treated waste water according to state and local regulations.**^(a) American Public Health Association, Standard Methods for the Examination of Water and Wastewater.**Tested By**

Name : PHYO PHYO AUNG

Position : Laboratory Technician

Signature :

Approved By

Name : KYAWT KYAWT YIN

Position : Technical Consultant Manager

Signature :



LAB-FO-024-00