Guohua Glory Company Limited

Environmental Management Plan

Manufacturing of Garment on CMP Basis



Prepared by

Myanwei Environmental Solutions Company Limited



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Commitment of Myanwei Environmental Solutions Company Limited

To our knowledge, all information contained in this report is accurate and truthful presentation of all findings as relating to the project. This report has been prepared with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client. We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above. This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk. We strongly commit that this report was prepared in compliance with Myanmar Environmental Laws and Regulations.

- The EMP report is accurate and complete
- The EMP report has been prepared in strict compliance with all applicable laws, rules, regulations and procedures in force.

Approved by:

Lin Htet Sein
Environmental Consultant
EIA-AC 053/2023

Land No.138 out of No.138/139/140, Wartayar Industrial Zone, Shwe Pyi TharTownship, Yangon Region, Myanmar

Commitment of Guohua Glory Company Limited

We refer to the captioned EMP report, which has been prepared by Myanwei Environmental Solutions Co., Ltd. (Third Party Consultant) in compliance with EIA procedure (2015) and other related laws/rules.

We believe, to the best of our knowledge at the time of writing, that;

- The EMP report is accurate and complete
- The EMP report has been prepared in strict compliance with all applicable laws, rules, regulations and procedures in force.

Guohua Glory Company Limited will at all times comply fully with all commitment and obligations in the EMP report, and also environmental conservation law, environmental conservation rules, environmental impact assessment procedure, national environmental quality (emission) guidelines and instructions to be issued from time to time, including business-related law, rules and procedures. If **Guohua Glory Company Limited** fails to comply with the law and regulations, we promise to accept actions in accordance with the existing law and rules.

We acknowledge and understand that

Mr. Han Jianfeng

765-5-A

Director

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Abbreviation

1. am = Ante Meridiem (before midday)

2. AQM = Air Quality Monitor

3. BOD = Biological Oxygen Demand4. COD = Chemical Oxygen Demand

5. CO = Carbon Monoxide
 6. CO₂ = Carbon Dioxide

7. CSR = Corporate Social Responsibility

8. CMP = Costing, Manufacturing and Production

9. dB(A) = Decibel Unit 10. DO = Dissolved Oxygen 11. D.O.C = Day Old Chick

12. ECC = Environmental Compliance Certificate
 13. ECD = Environmental Conservation Department

14. EIA = Environmental Impact Assessment
 15. EMOP = Environmental Monitoring Plan
 16. EMP = Environmental Management Plan
 17. EMS = Environmental Management System

18. GHGs = Greenhouse Gases

19. GIIP = Good International Industry Practices

20. HR = Human Resources

21. HSE = Health, Safety and Environment 22. IEE = Initial Environmental Examination 23. IFC = International Finance Corporation

24. kg = kilogram

25. KMnO₄ = Potassium Permanganate

26. kVA = Kilo-volt-amperes 27. kWh = Kilowatt-hour

28. L = Liter

29. MESC = Mandalay Electricity Supply Corporation

30. MOECAF = Ministry of Environmental Conservation and Forestry

31. mg/L = milligrams per liters

32. ml = milliliters

33. MONREC = Ministry of Natural Resources and Environmental Conservation

34. MSDS = Material Safety Data Sheet

35. MSL = Mean Sea Level

36. NEQEGs = National Environmental Quality (Emission) Guidelines

37. NL= Noise Level38. NO= Nitric Oxide39. NOx= Nitrogen Oxide40. NO2= Nitrogen Dioxide

 $41. O_3 = Ozone$

42. OSHA = Occupational Safety and Health Administration

43. PCU = Passenger car Unit 44. pH = Potential of Hydrogen

45. pm	= Post Meridiem (after midday)
46. PPE	= Personal Protective Equipment
47. PM	= Particulate Matter
48. QC	= Quality Control
49. SEZ	= Special Economic Zone
50. SO ₂	= Sulfur Dioxide
51. SP	= Significant Point
52. TC	= Traffic Counting
53. TDS	= Total Dissolved Solids
54. TSP	= Total Suspended Particulate
55. TSS	= Total Suspended Solids
56. USD	= United States dollar
57. WHO	= World Health Organization
58. YCDC	= Yangon City
	Development
	Committee
59. YRIC	= Yangon Regional
	Investment Committee
60. %	= Percentage
61. °C	= Celsius

အစီရင်ခံစာအကျဉ်းချုပ်

<u>နိုဒါန်း</u>

အဆိုပြုလုပ်ငန်းသည် CMP စနစ်ဖြင့် အဝတ်အထည်အမျိုးမျိုးချုပ်လုပ်ခြင်းလုပ်ငန်းအတွက် ရင်းနှီးမြှုပ်နှံသော ကုမ္ပဏီဖြစ်ပါသည်။ ရင်းနှီးမြှုပ်နှံမှုလိုင်စင်ကို ၂၀၁၇ ခုနှစ်၊ မေလ ၉ရက်နေ့တွင် (ထောက်ခံချက်အမှတ် ရကတ၁၂၇၈/၂၀၁၇) ဖြင့် ရန်ကုန်တိုင်းဒေသကြီးရင်းနှီးမြှုပ်နှံမှုကော်မတီမှ ရရှိပြီးဖြစ်ပါသည်။ လုပ်ငန်းလည်ပတ်ရန်အတွက် မြန်မာနိုင်ငံ သယံဧာတနှင့် သဘာဝ ပတ်ဝန်းကျင် ထိန်းသိမ်းရေးဝန်ကြီးဌာန (MONREC) ၏ အတည်ပြုချက်ရယူရန် လိုအပ်ကြောင်း ကော်မရှင်မှ မှာကြားခဲ့ပါသည်။

ထို့ကြောင့် မြန်မာနိုင်ငံ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ (၂၀၁၂) အရ ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) ပြုလုပ်ရန်လိုအပ်ကြောင်း ၂၀၂၀ ခုနှစ်၊ ဖေဖော်ဝါရီလ ၂၈ရက်နေ့တွင် စာအမှတ်၊ အီးအိုင်အေ-၁/၄-က (၅၆၂(ဃ)/၂၀၂၀) ဖြင့် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန ရန်ကုန်တိုင်းဒေသကြီးမှ သဘောထားမှတ်ချက် ရရှိပြီးဖြစ်ပါသည်။ ထို့ကြောင့် EMP အစီအရင်ခံစာရေးဆွဲရန် တတိယအဖွဲ့အစည်း ဖြစ်သော Myanwei Environmental Solutions Company Limited (Myanwei) မှ တာဝန်ယူ ရေးဆွဲခဲ့ပါသည်။

စီမံကိန်းအဆိုပြုသူ၏အချက်အလက်

ရင်းနှီးမြှုပ်နှံသူအမည်	Mr. HAN JIANFENG
နိုင်ငံကူးလတ်မှတ်အမှတ်	G32637697
နိုင်ငံသား	တရုတ်နိုင်ငံသား
နိုင်ငံခြားလိပ်စာ	NO. 101, BUILDING 6, DONGDU HUAYUAN, ZHANGJIAGANG, JIANGSU, PEOPLE'S REPUBLIC OF CHINA
မြန်မာနိုင်ငံလိပ်စာ	မြေကွက်အမှတ်-၁၃၈၊ မြေတိုင်းရပ်ကွက်အမှတ်-၄၉၊ ဝါးတစ်ရာစက်မှုဇုန်၊ ရွှေပြည်သာမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး။

အဆိုပြုထားသောစီမံကိန်း၏အဓိကလက္ခဏာများ

အဆိုပြုစီမံကိန်းအမျိုးအစား	CMP စနစ်ဖြင့် အဝတ်အထည်အမျိုးမျိုးချူပ်လုပ်ခြင်း
ရင်းနှီးမြှုပ်နှံမှုပုံစံ	၁၀၀ % နိုင်ငံခြားသားရင်းနှီးမြှုပ်နှံမှု
အစုရှယ်ယာပုံစံ	Ordinary Share
မြေအမျိုးအစား	စက်မှုမြေ
စုစုပေါင်းမြေဧရိယာ	၃.၅၄ဧက (၁၄.၃၂၇ စတုရန်းမီတာ)

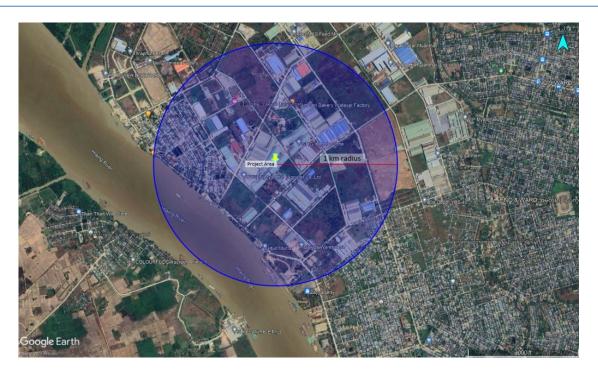
မြေငှားသက်တမ်း	၃၀ နှစ်
ရင်းနှီးမြှုပ်နှံမှုကာလ	၅၀နှစ်
စီမံကိန်းပြင်ဆင်ရေးကာလ	၁ နှစ် နှင့် ၆လ
စီမံကိန်းလိပ်စာ	မြေကွက်အမှတ်-၁၃၈၊ မြေတိုင်းရပ်ကွက်အမှတ်-၄၉၊ ဝါးတစ်ရာစက်မှုဇုန်၊ ရွှေပြည်သာမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး။
ဆက်သွယ်ရန် ပုဂ္ဂိုလ်	အမည် -ဒေါ် လှလှမိုး ဖုန်းနံပါတ် - 09458255902 အီးမေးလ် - hlahlamoeallsuper 12@gmail.com နေရပ်လိပ်စာ -အမှတ် ၁/၂၀၈၊ စမ်းချောင်းလေးကျေးရွာ၊ လှော်ကား၊ ရန်ကုန်တိုင်းဒေသကြီး။

ဥပဒေနှင် မူဝါဒဆိုင်ရာ အချက်အလက်များ

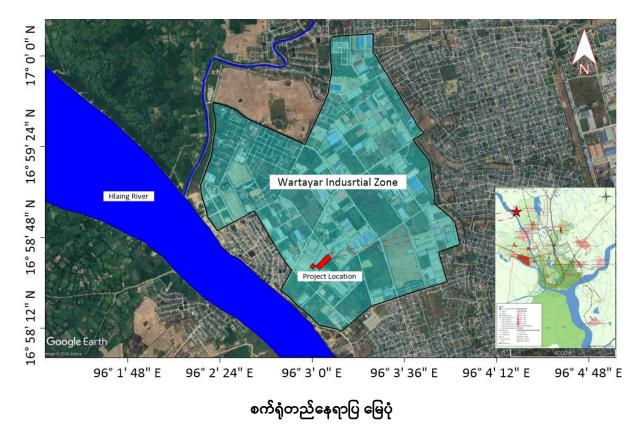
Guohua Glory Company Limited သည် သဘာဝပတ်ဝန်းကျင်ကာကွယ်ရေးနှင့်ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်အတွက် အခန်း ၂ တွင် ထည့်သွင်းဖော်ပြထားသည့် မူဝါဒ၊ ဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းနှင့် လမ်းညွှန်ချက်များကို ကတိကဝတ်ပြုကာ လိုက်နာဆောင်ရွက်ပါမည်။

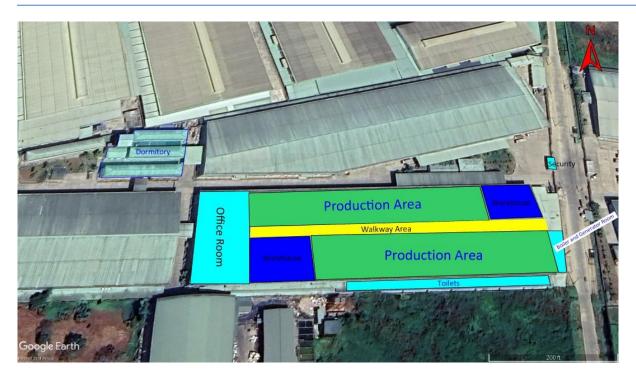
စီမံကိန်းဆိုင်ရာအချက်အလက်

Guohua Glory Company Limited စက်ရုံသည် မြောက်လတ္တီကျု ၁၆°၅၈'၃၆.၈၂" နှင့် အရှေ့လောင်ဂျီကျု ၉၆°၃'၄.၈၂"၊ မြေကွက်အမှတ်၁၃၈၊ မြေတိုင်းရပ်ကွက်အမှတ်၄၉၊ ဝါးတစ်ရာစက်မှုဇုန်၊ ရွှေပြည်သာ မြို့နယ် ၊ ရန်ကုန်တိုင်းဒေသကြီးတွင် တည်ရှိပြီး မြေဧရိယာစုစုပေါင်း ၃.၅၄ဧက (၁၄.၃၂၇ စတုရန်းမီတာ) ဖြစ်ပါသည်။



အနီးပတ်ဝန်းကျင်ပြမြေပုံ





စက်ရုံတည်ဆောက်မှု မြေပုံ

Guohua Glory Company Limited ၏ ကုန်ကြမ်းပစ္စည်းများဖြစ်သည့် ပိတ်အထည်အလိပ်၊ အတွင်းခံလိုင်နင်စ၊ ချည်လုံး၊ ကြယ်သီး၊ ဇစ်၊ ခါးပတ်ချိတ်နှင့်အခြားဆက်စပ်ပစ္စည်းများကို တရုတ်နိုင်ငံမှ တင်သွင်းပါသည်။ ကုန်ကြမ်းများကို ကုန်ကြမ်းသိုလှောင်ခန်းတွင် စနစ်တကျ သိုလှောင်ထားရှိပါသည်။

လုပ်ငန်းမှ ပထမနှစ်မှ ၁၅နှစ်အတွင်း အထည်ရေ (၁,၆၄၀,၀၀၀) မှ (၂,၁၈၇,၈၀၁) အထိ တိုးမြှင့် ထုတ်လုပ်သွားမည် ဖြစ်သည်။ ကုန်ချောပစ္စည်းများအား ဒိန်းမတ်၊ နော်ဝေး၊ USA၊ အီတလီ နိုင်ငံများ သို့ ပြန်လည် တင်ပို့သွားမည် ဖြစ်ပါသည်။ လက်ရှိတွင် လုပ်သား (၁၃၀၃)ဦး ဖြင့် လုပ်ငန်း ဆောင်ရွက်လျက် ရှိပါသည်။



ကုန်ချောဓာတ်ပုံများ

<u>အနီးပတ်ဝန်းကျင် အခြေအနေ</u>

လက်ရှိပတ်ဝန်းကျင်၏ ပတ်ဝန်းကျင်ဆိုင်ရာအချက်အလက်၊ ပတ်ဝန်းကျင်အရည်အသွေး တိုင်းတာခြင်း များနှင့် သက်ရောက်မှုများကို **၂၀၂၃ ခုနှစ်၊ နိုဝင်ဘာလ၊ ၂၃** ရက်နေ့တွင် ပြုလုပ်ခဲ့ပါသည်။ ထို့အပြင် စက်ရုံ တည်နေရာနှင့် သက်ဆိုင်သည့် အချက်အလက်များဖြစ်သော လူမှုစီးပွားအခြေအနေ၊ ရူပပတ်ဝန်းကျင်ဆိုင်ရာ အချက်အလက်များ၊ ဇီဝပတ်ဝန်းကျင်ဆိုင်ရာ အချက်အလက်များ၊ ရာသီဥတုဆိုင်ရာ အချက်အလက်များ အစရှိသည့်များကို ရန်ကုန်တိုင်းဒေသကြီး၊ ရွှေပြည်သာမြို့နယ်မှ တရားဝင်ပြဋ္ဌာန်းထားသော မြို့နယ် ဆိုင်ရာ အချက်အလက်များမှ ကိုးကားဖော်ပြထားပါသည်။

အဆိုပြုလုပ်ငန်း၏ စစ်တမ်းကောက်ယူမှု

အမျိုးအစား		ရလဒ်	Guideline value		
စက်ရုံအတွင်း အပူချိန်နှင့် စိုထိုင်း	စက်ရုံအတွင်း အပူချိန်နှင့် စိုထိုင်းဆ				
	အပူချိန်	۶۶.J °C	-		
ထုတ်လုပ်မှုဧရိယာအတွင်း	စိုထိုင်းဆ	G၁.၂ ၉ %	-		
လေထုအရည်အသွေး					
စက်ရုံပြင်ပလေထုအရည်အသွေး					
PM ₁₀		၁၆.၀၇ μg/m³	-		
PM _{2.5}		၁၁.၁၁ μg/m³	၅၀ μg/m³		
Nitrogen dioxide		၁၉.၂၅ μg/m³	ე၅ μg/m³		
Sulfur dioxide		ე. ე၈ μg/m³	Joo μg/m³		
Ozone		၁၉.၆၈ µg/m³	Jo μg/m³		
Carbon Monoxide		o.၅ µg/m³	၁၀၀ μg/m³		
TSP		ეი.၃၃ μg/m³	-		
အလင်းရောင်တိုင်းတာမှု					
ကုန်ကြမ်းသိုလှောင်သည့်ဧရိယာ		၁၉၂.၃ Lux	500 Fnx		
ဖြတ်တောက်သည့်ဧရိယာ		၈၄၀ Lux	oooo Lux		
ချုပ်လုပ်သည့်ဧရိယာ		റ്വo Lux	900 Lux		
အရည်အသွေးစစ်ဆေးသည့်ဧရိယာ		၁၂၅၅ Lux	၁၅၀၀ Lux		
မီးပူတိုက်သည့်ဧရိယာ		၆၃၄ Lux	၅၀၀ Lux		

အမျိုးအစား	ရလဒ်	Guideline value
ထုတ်ပိုးသည့်ဧရိယာ	ეදე Lux	Goo Lux
ဆူညံသံ		
စက်ရုံအတွင်း ဆူညံသံအရည်အသွေး	၆၉.၈ dBA	၇၀ dBA
အခိုးအငွေ့တိုင်းတာမှု		
ဘွိုင်လာ အခိုးအငွေ့တိုင်းတာမှု		
CO ₂	၄၆၈ ppm	ეიიი ppm
SO ₂	mqq co.o	ე ppm
NO ₂	o ppm	ე ppm
со	ი.ეც ppm	၅၀ ppm
မီးစက် အခိုးအငွေ့တိုင်းတာမှု		
CO ₂	ço5 ppm	ეიიი ppm
SO ₂	o.oə ppm	ე ppm
NO ₂	mqq co.o	ე ppm
со	o.ço ppm	၅၀ ppm

စက်ရုံ၏သောက်သုံးရေနှင့် လူသုံးစွန့်ပစ်ရေအရည်အသွေးတိုင်းတာခြင်းရလဒ်များမှာ အမျိုးသား ပတ်ဝန်းကျင် ဆိုင်ရာ အရည်အသွေး(ထုတ်လွှတ်မှု)လမ်းညွှန်ချက်များအတွင်း ရှိနေသည်ကိုတွေ့ရှိရပါသည်။ တိုင်းတာဆန်းစစ်ထား သည့် ရလဒ်များအား **နောက်ဆက်တွဲ (C)** တွင် ဖော်ပြထားရှိပါသည်။

ပတ်ဝန်းကျင်ထိခိုက်မှုနှင့် လျှော့ချရေး အစီအစဉ်

စီမံကိန်းဆောင်ရွက်ချက်များကြောင့် ပတ်ဝန်းကျင်ဆိုင်ရာအရင်းအမြစ်များ၊ ဂေဟဆိုင်ရာအရင်းအမြစ်များ၊ လူ့စွမ်းအားအရင်းအမြစ်များနှင့် စွန့်ပစ်ပစ္စည်းများစွန့်ပစ်ခြင်းစသည့် ဖြစ်လာနိုင်သည့်ထိခိုက်မှုများကို ခွဲခြားသတ်မှတ်ပြီး ၎င်းတို့၏ ရလဒ်များကို ထိခိုက်မှုဆန်းစစ်သည့် နည်းလမ်းများကို အသုံးပြု၍ သတ်မှတ်ခဲ့ပါသည်။ စီမံကိန်းအား ထိခိုက်မှုများကို အပိုင်းလေးပိုင်းခွဲ၍ သတ်မှတ်ထားသည်။ အမျိုးအစားမှာ အကြိုတည်ဆောက်ရေးကာလ၊ တည်ဆောက်သည့်ကာလ၊ လုပ်ငန်းလည်ပတ်သည့်ကာလနှင့် လုပ်ငန်းဖျက်သိမ်းသည့်ကာလများဖြစ်ပါသည်။ ပတ်ဝန်းကျင်ထိခိုက်မှုလျော့ပါးစေရေး နည်းလမ်းများကိုလည်းထည့်သွင်းဖော်ပြထားပါသည်။

ပတ်ဝန်းကျင်လက္ခဏာ	လုပ်ငန်းလုပ်ဆောင်မှု	ထိခိုက်မှုအဆင့်	လျှော့ချရေးနည်းလမ်းများ		
	ကြေိုတည်ဆောက်ရေးကာလနှင့်တည်ဆောက်ရေးကာလ။ ပတ်ဝန်းကျင်ထိခိုက်မှုလေ့လာချိန်တွင် စက်ရုံတည်ဆောက်ပြီး လုပ်ငန်းလည်ပတ်နေချိန်ဖြစ်သောကြေ ဤကာလကိုထည့်သွင်း မစဉ်းစားတော့ပါ။				
	လုပ်င	န်းလည်ပတ်ခြင်းက	ow		
လေထုညစ်ညမ်းမှု	 သယ်ယူပို့ဆောင်ရေးသုံး မော်တော်ယာဉ်တို့ကြောင့် ဖုန်မှုံနှင့် ဖန်လုံအိမ်ဓါတ်ငွေ့ ထွက်ခြင်း၊ လုပ်ငန်းခွင်အတွင်း ဖုန်မှုန့်ထွက်ခြင်း။ အရေးပေါ် သုံးမီးစက်မှာ စွန့်ထုတ်အခိုးအငွေ့ ထွက်ခြင်း 	အနည်းငယ်	 မီးစက်တွင် မီးခိုးခေါင်းတိုင် တပ်ဆင် ခြင်းဖြင့်အခိုးအငွေ့ကြောင့် ပတ်ဝန်းကျင် ထိခိုက်မှုကို လျှော့ချခြင်း၊ စက်ရုံအတွင်းနှင့် အနီး အနားတွင် သစ်ပင်ပန်းမံစိုက်ပျိုးခြင်းဖြင့် carbonထွက်ရှိမှုကိုလျှော့ချ ပေးခြင်း၊ စက်ပစ္စည်းများကို ပုံမှန်ပြုပြင်ထိန်းသိမ်း ပေးခြင်း။ 		
ရေထုညစ်ညမ်းမှု	မိလ္လာစွန့်ထုတ်ရေ စက်ပစ္စည်း၊ မော်တော်ယာဉ်များ မှဆီယိုဖိတ်ခြင်း	အနည်းငယ်	 စက်ရုံအတွင်းရေနုတ်မြောင်းများ ထားရှိခြင်း၊ လက်ရှိရေဆိုးစွန့်ပစ်မှုပုံစံဖြစ်သော မိလ္လာစနစ်ကို ပုံမှန်စစ်ဆေးပေးခြင်း၊ မိလ္လာကန်နှင့်မိလ္လာစနစ်ကိုလူဦးရေနှင့်သင့်တင့်သည့်ပမာဏရှိရန် စီစဉ်ထား ခြင်း၊ ပုံမှန်သန့်ရှင်းရေးပြုလုပ်ပေးခြင်း။ 		
မြေဆီလွှာညစ်ညမ်းမှု	မတော်တဆစက်ပစ္စည်း၊ မော်တော်ယာဉ်များမှ ဆီယိုဖိတ်ခြင်း	အလွန်နည်း	 စက်ဆီများကိုအသုံးပြုရာတွင် ဖိတ်စင်မှု မရှိစေရန် စနစ်တကျကိုင်တွယ်အသုံးပြု ခြင်း၊ မတော်တဆယိုဖိတ်ပါက ယိုဖိတ်သည့် နေရာအား ချက်ချင်းသန့်ရှင်းမှုပြုလုပ်ခြင်း၊ 		

ပတ်ဝန်းကျင်လက္ခဏာ	လုပ်ငန်းလုပ်ဆောင်မှု	ထိခိုက်မှုအဆင့်	လျှော့ချရေးနည်းလမ်းများ
			• ဆီသိုလှောင်သည့်နေရာအား ကွန်ကရစ် များခင်းထားခြင်း။
ဆူညံသံ	မီးစက်၊လေမှုတ်စက်၊ လုပ်ငန်းသုံးစက်ကိရိယာများနှင့်မော်တော်ယာဉ် အသုံးပြုမှု ကြောင့် ပတ်ဝန်းကျင် ဆူညံမှု	အနည်းငယ်	 ဆူညံသံထွက်သောနေရာများကို အကာအကွယ် ဖြင့်ထားရှိခြင်း စက်ရုံအတွင်းမောင်းနှင့်ရာတွင် မော်တော်ယာဉ်များ၏ အမြန်နှုန်းအား ကန့်သတ်ထားခြင်း။
မီးဘေးအန္တရာယ်	 လျှပ်စစ်သွယ်တန်းအသုံးပြုမှု အားနည်းခြင်း စွန့်ပစ်ပစ္စည်းများအား ယာယီ သိုလှောင်ထားရှိခြင်း 	အသင့်တင့်	 မီးဘေးအန္တရာယ်အတွက် အရေးပေါ် မီးသတ်ကိရိယာများ မီးသတ်ရေကန်တို့အားအရံသင့်ထားရှိခြင်း။ လျပ်စစ်သုံးစွဲမှုများအားစနစ် တကျ အသုံးပြုစေခြင်း ဝန်ထမ်းများအား သင်တန်းများပေးခြင်း
လုပ်ငန်းခွင် ဘေးအန္တရာယ်ကင်း ရှင်းရေးနှင့် ကျန်းမာရေး	 စက်ပစ္စည်းများကိုင်တွယ် အသုံးပြုရာမှမတော်တဆ ထိခိုက်ခြင်း အရေးပေါ် မီးစက်များနှင့် စက်ကိရိယာများမှ ဆူညံသံများ ထွက်ရှိခြင်း ဂျင်နရေတာလည်ပတ်ရာမှ ထွက်ရှိလာသော မီးခိုးငွေ့များ ဓာတုပစ္စည်းနှင့်လုပ်ငန်းသုံး ပစ္စည်းများကိုင်တွယ် အသုံးပြု ခြင်း 	အသင့်အတင့်	 အရေးပေါ် သူနာပြုသင်တန်းများ အန္တရာယ်ကင်းရှင်းရေးသင်တန်းများမီးဘေးအန္တရာယ်ကာကွယ်ရေး သင်တန်းများနှင့်စက်ပစ္စည်းစနစ်တကျကိုင်တွယ်အသုံးပြုနိုင်ရေး သင်တန်းများအားဝန်ထမ်းများအား သင်တန်းပေး ခြင်း၊ လျှပ်စစ်ဓာတ်လိုက်ခြင်းများ မဖြစ်ပေါ် စေရန် စက်ပစ္စည်းများအား ပုံမှန်စစ်ဆေးခြင်းနှင့် ကာကွယ်ရေး နည်းလမ်းများ ထားရှိပေးခြင်း၊ စက်ရုံမှအလုပ်သမားများအတွက် တစ်ကိုယ်ရေသုံးကာကွယ်ရေး ပစ္စည်းများဝတ်ဆင်ပြီးမှသာ လုပ်ငန်းလုပ်ဆောင်စေခြင်း၊ စက်ရုံအားအလုပ်သမားအရေ အတွက်၊စက်ပစ္စည်းအရေအတွက်

ပတ်ဝန်းကျင်လက္ခဏာ	လုပ်ငန်းလုပ်ဆောင်မှု	ထိခိုက်မှုအဆင့်	လျှော့ချရေးနည်းလမ်းများ
			နှင့်ကိုက်ညီမှုရှိအောင် တည်ဆောက်ထား ခြင်း၊ • စက်ရုံရှိအလုပ်သမားများအတွက် အလုပ်ချိန် (၈) နာရီ အတွင်း သင့်တော် သော ဆူညံသံထွက်ရှိမှု ပမာဏမှာ ဂုဝdBAဖြစ်ပါသည်၊စက်ရုံမှ ဆူညံသံ ထွက်ရှိမှုများသောစက်ကိရိယာများနှင့်လုပ်ငန်းလုပ်ဆောင်ရသော အလုပ်သမားများအား နားကြပ်များ၊ ဆူညံသံကာကွယ်ရေးပစ္စည်းများ ထားရှိ ပေးခြင်း။
စွန့်ပစ်အမှိုက်	 ပလစ်စတစ်အမှိုက်များ ထုတ်ပိုးခြင်းအဆင့်မှထွက်ရှိ သော စွန့်ပစ်အမှိုက်များ ရုံးတွင်း စွန့်ပစ်ပစ္စည်းများ 	အသင့်အတင့်	 စွန့်ပစ်အမှိုက်များအား ပြန်လည်သုံးစွဲရန်နှင့်စွန့်ပစ်ရန် အဖြစ်သတ်မှတ်ပီး သီးခြားစွန့်ပစ်စေခြင်း။ မြို့နယ်စည်ပင်၏လမ်းညွှန်ချက် နှင့် အညီစွန့်ပစ်ခြင်း။
စွန့်ပစ်အရည်	ရေချိုးခန်း၊ မိလ္လာကန်စနစ် စွန့်ပစ်ရေများ	အနည်းငယ်	 စွန့်ပစ်ရေမြောင်းများအား ပုံမှန်စစ်ဆေးခြင်းနှင့် သန့်ရှင်းရေးလုပ်ခြင်း။ မိလ္လာကန်နှင့်အမှိုက်စွန့်ပစ်သည့်နေရာများအားလုံလောက်သည့်အကာအရံ များထားရှိခြင်း။
အန္တရာယ်ရှိအမှိုက်	စက်များမှဆီယိုစိမ့်မှုများ၊ မော်တော်ယာဉ်များပြုပြင် ထိန်းသိမ်းမှုမှ ထွက်ရှိသည့် အမှိုက်များ အသုံးပြုပြီး ဓာတုပစ္စည်းပုံခွံ များ	အနည်းငယ်	 စက်သုံးဆီများအားစနစ်တကျ အသုံးပြုစေခြင်း၊ စနစ်တကျသိုလှောင် ခြင်း အန္တရာယ်ရှိပစ္စည်းများအား စနစ်တကျထားရှိခြင်းနှင့် ပြန်လည်အသုံးပြုခြင်း

ပတ်ဝန်းကျင်လက္ခဏာ	လုပ်ငန်းလုပ်ဆောင်မှု	ထိခိုက်မှုအဆင့်	လျှော့ချရေးနည်းလမ်းများ
လူမှုစီးပွားအခြေအနေ	• ဒေသခံများအတွက် အလုပ်အကိုင် အခွင့်အလမ်းများ ရရှိစေခြင်း	-	ကောင်းမွန် သော သက်ရောက်မှု
	လုပ်င	န်းပိတ်သိမ်းခြင်းက <u>ာ</u>	ာလ
လေထုညစ်ညမ်းမှု		အနည်းငယ်	 ဖုန်မှုန့်ထွက်ရှိမှုလျော့နည်းစေရန် မြေဆီလွှာအား ရေဖြန်းခြင်း။ ယာဉ်သွားလာမှု အမြန်နှုန်ကန့်သတ် ထားခြင်း၊ ယာဉ်များအား ပြုပြင်ခြင်း/ စစ်ဆေးခြင်း။
ရေထုညစ်ညမ်းမှု	 အဆောက်အဦများ ဖြိုဖျက်ခြင်း စွန့်ပစ်အမှိုက်များစနစ် တကျ စွန့်ပစ်မှုမရှိခြင်း ပစ္စည်းသယ်ဆောင်သည့် ယာဉ်များမှ ဆီယိုဖိတ်ခြင်း 	အနည်းငယ်	စွန့်ပစ်ပစ္စည်းများအား စနစ်တကျစွန့်ပစ် ခြင်း ဆီယိုဖိတ်မှုမရှိစေရန်ထိန်းသိမ်း ပြုပြင်ခြင်း။
မြေဆီလွှာညစ်ညမ်း မှု	 စွန့်ပစ်အမှိုက်များစနစ် တကျ စွန့်ပစ်မှုမရှိခြင်း ပစ္စည်းသယ်ဆောင်သည့် ယာဉ်များမှ ဆီယိုဖိတ်ခြင်း 	အနည်းငယ်	စွေန့်ပစ်ပစ္စည်းများအား စနစ်တကျစွန့်ပစ် ခြင်း ဆီယိုဖိတ်မှုမရှိစေရန်ထိန်းသိမ်း ပြုပြင်ခြင်း။
ဆူညံသံ	အဆောက်အဦများ ဖြိုဖျက်ခြင်း စက်ပစ္စည်းကိရိယာများ သယ်ယူခြင်း ယာဉ်သွားလာမှု	အနည်းငယ်	 လုပ်ငန်းများအားနေ့ဘက်တွင် လုပ်ဆောင်ခြင်း။ ယာဉ်သွားလာမှု အမြန်နှုန်ကန့်သတ် ထားခြင်း၊ယာဉ်များအား ပြုပြင်ခြင်း/ စစ်ဆေးခြင်း။

ပတ်ဝန်းကျင်လက္ခဏာ	လုပ်ငန်းလုပ်ဆောင်မှု	ထိခိုက်မှုအဆင့်	လျှော့ချရေးနည်းလမ်းများ
စွန့်ပစ်အစိုင်အခဲ	• စက်ရုံပိတ်သိမ်းခြင်းလုပ်ငန်းမှ ထွက်ရှိသော အမျိုးမျိုးသော စွန့်ပစ်အမှိုက်များ	အလွန်နည်း	• မြို့နယ်စည်ပင်မှသတ်မှတ်ထား သည့် နေရာတွင်စွန့်ပစ်ခြင်း၊ ပြန်သုံး၍ရသော ပစ္စည်းများအား ပြန်လည်အသုံးပြုခြင်း
အန္တရာယ်ရှိစွန့်ပစ်ပစ္စည်း	စက်များမှ ဆီယိုစိမ့်မှုများ၊ မော်တော်ယာဉ်များပြုပြင် ထိန်းသိမ်းမှုမှထွက်ရှိသည့် အမှိုက်များ	အလွန်နည်း	• စက်သုံးဆီများအားစနစ်တကျ အသုံးပြုစေခြင်း၊စနစ်တကျ သိုလှောင်ခြင်းနှင့် အန္တရာယ်ရှိပစ္စည်းများအား စနစ်တကျ ထားရှိစေခြင်း
မတော်တဆ ထိခိုက်မှုများ	 စက်ပစ္စည်းများကိုင် တွယ်ခြင်း စက်ပစ္စည်းကိရိယာများ သယ်ယူခြင်း လျှပ်စစ်ပလပ်များ၊ လျှပ်စစ်ကြိုး များကို ဖြတ်တောက်ခြင်း စွန့်ပစ်အမှိုက်များကိုကိုင် တွယ်ခြင်း 	အနည်းငယ်	 မတော်တစမှု မဖြစ်စေရန် ထိန်းသိမ်း ခြင်း (သတိပေးဆိုင်းဘုတ်များ ကပ်ခြင်း) လုပ်သားများအား တကိုယ်ရေသုံးကာ ကွယ်ရေးပစ္စည်းများ ဝတ်ဆင်ဆောင် ရွက်စေခြင်း

ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်

အဆိုပြုလုပ်ငန်း၏ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်အတွက် Plan-Do-Check-Act (P D C A) စက်ဝိုင်းဖြင့် အစီစဉ်တကျ ပြုလုပ်သွားမည်ဖြစ်ပါသည်။ အစီအစဉ်တွင် စက်ရုံကြောင့် ဖြစ်ပေါ် စေနိုင်သော ပတ်ဝန်းကျင်နှင့် လူမှုဘဝအပေါ် ဆိုးကျိုးသက်ရောက်မှုများကို လျှော့ချရေး၊ စီမံခန့်ခွဲရေးနှင့် စောင့်ကြပ်ကြည့်ရှုရေး အစရှိသည့် အစီအစဉ်များ ပါဝင်ပါသည်။ ၄င်း EMP အစီအစဉ်များကို အကောင်အထည် ဖော်ရန်အတွက် စက်ရုံတွင် ကျန်းမားရေး၊ ဘေးအန္တရာယ်ကင်းရှင်းရေးနှင့် ပတ်ဝန်းကျင်ဆိုင်ရာ အဖွဲ့အစည်းတစ်ခုထားရှိပြီး လျှော့ချရေး၊ စီမံခန့်ခွဲရေးနှင့် စောင့်ကြပ်ကြည့်ရှုရေး အစီအစဉ်များကို အကောင်အထည်ဖော်သွားမည်ဖြစ်ပါသည်။ အဆိုပါစက်ရုံ၏ ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်ကို ရေရှည်ဖွံ့ဖြိုးတိုးတက်ကောင်းမွန်သော ပတ်ဝန်းကျင် အဖြစ် အကောင်အထည်ဖော် ဆောင်ရွက်ရန် ပတ်ဝန်းကျင်ဆိုင်ရာ ဆိုးကျိုးသက်ရောက်မှုများကို လျှော့နည်းစေရန် စီမံခန့်ခွဲမှုအစီအစဉ်များနှင့် စောင့်ကြပ်ကြည့်ရှုရမည့် အစီအစဉ်များနှင့် စောင့်ကြပ်ကြည့်ရှုရမည့် အစီအစဉ်များကို အောက်ပါအတိုင်းပတ်ဝန်းကျင်ဆိုင်ရာ အကြောင်းအရာတစ်ခုချင်းစီအလိုက် ခွဲခြားမှု ပြုလုပ်ထား ပါသည်။

၁။ လေထုညစ်ညမ်းမှုနှင့် ဖုန်မှုန့်ဆိုင်ရာ စီမံခန့်ခွဲမှု အစီအစဉ်

၂။ ဆူညံမှုထိန်းခြင်းဆိုင်ရာ စီမံခန့်ခွဲမှု အစီအစဉ်

၃။ မီးဘေးအန္တရာယ် စီမံခန့်ခွဲမှု

၄။ လုပ်ငန်းခွင် အန္တရာယ်ကင်းရှင်းရေးနှင့် ကျန်းမာရေး စောင့်ရှောက်မှု အစီအစဉ်

၅။ ရေသုံးစွဲမှု စီမံခန့်ခွဲမှုအစီအစဉ်

၆။ အမှိုက်စွန့်ပစ်မှုဆိုင်ရာ စီမံခန့်ခွဲမှု အစီအစဉ်

၇။ စွန့်ပစ်အရည် စီမံခန့်ခွဲမှုအစီအစဉ်

၈။ အန္တရာယ်ရှိသော စွန့်ပစ် အမှိုက်စီမံခန့်ခွဲမှု အစီအစဉ်

၉။ စွမ်းအင် သုံးစွဲမှု အစီအစဉ်

၁၀။ အရေးပေါ် တုန့်ပြန်ရေး အစီအစဉ်

၁၁။ စောင့်ကြပ်ကြည့်ရှုရေး အစီအစဉ်

၁၂။ အသိပညာပေးခြင်းနှင့် သင်တန်းပို့ချမှု အစီအစဉ်

၁၃။ မကျေနပ်မှု ဖြေရှင်းခြင်း နည်းလမ်း

၁၄။ လူမှုအကျိုးတူ ပူးပေါင်းပါဝင်မှု အစီအစဉ် CSR Plan

<u>အများပြည်သူနှင့်တိုင်ပင်ဆွေးနွေးခြင်း</u>

အများပြည်သူနှင့်တိုင်ပင်ဆွေးနွေးခြင်းကို မြေကွက်အမှတ်-၁၃၈၊ မြေတိုင်းရပ်ကွက်အမှတ်-၄၉၊ ဝါးတစ်ရာ စက်မှုဇုန်၊ ရွှေပြည်သာမြို့နယ်၊ ရန်ကုန်တိုင်း ဒေသကြီးတွင် ကျင်းပပြုလုပ်ခဲ့ပါသည်။ အဆိုပါအခမ်းအနားတွင် ဒေါ် လှလှမိုးမှ Guohua Glory Company Limited စက်ရုံမှ CMP စနစ်ဖြင့် အဝတ်အထည်အမျိုးမျိုးချူပ်လုပ်ခြင်း လုပ်ငန်းနှင့် စက်ရုံ၏လုပ်ဆောင်ချက်များကို ရှင်းလင်း တင်ပြခဲ့ပြီး ဒေါ် ဝင့်ဇာနည်မောင်မောင်မှ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ် (EMP) အစီရင်ခံစာနှင့်ပတ်သက်၍ တက်ရောက်လာသူများအား ရှင်းလင်းတင်ပြခဲ့ပါသည်။ ထို့နောက် တက်ရောက်လာသူများမှ ဆွေးနွေးအကြံပြု ခြင်းများ ပြုလုပ်ခဲ့ပါသည်။ အဆိုပါအခမ်းအနားတွင် တက်ရောက်သူဦးရေ (၂၃) ဦး တက်ရောက် ဆွေးနွေး ခဲ့ကြပါသည်။

<u>နိဂုံး</u>

အကျဉ်းချုပ်အားဖြင့် ပြည်ထောင်စုသမ္မတ မြန်မာနိုင်ငံတော်၏ လမ်းညွှန်ချက်များ၊ ပတ်ဝန်းကျင် ဆိုင်ရာ ဥပဒေ၊ နည်းဥပဒေ၊ စည်းမျဉ်း စည်းကမ်းများနှင့် ချမှတ်ထားသော မူဝါဒ လမ်းညွှန် ချက်များအတိုင်း ပတ်ဝန်းကျင်ဆိုင်ရာ စီမံခန့်ခွဲမှု အလေ့အကျင့်များ၊ လုပ်ငန်းစဉ်များနှင့် လိုက်နာ ဆောင်ရွက်ကျင့်သုံးရန် တာဝန်များကို ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ်တွင် ဖော်ပြရှင်းလင်း တင်ပြထားပါသည်။ စီမံကိန်းနှင့် သက်ဆိုင်သူများအား စီမံကိန်းဆိုင်ရာ အကြောင်းအရာများ ရှင်းလင်း တင်ပြခြင်း၊ အကြံပြုချက်များနှင့် ဆွေးနွေးတင်ပြလာသည့် သဘောထား အကြံဉာဏ်များကို ရယူပြီး အစီရင်ခံစာတွင် ဖော်ပြထားပါသည်။

အကြံပြုချက်များအရ-

- 🕹 အစီရင်ခံစာတွင် ဖော်ပြထားသည့် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်နှင့် ကတိကဝတ်များကို စီမံကိန်း၏ သက်တမ်းတလျောက်လုံးတွင် အကောင်အထည်ဖော် ဆောင်ရွက်ရမည်။
- 🕹 အစိုင်အခဲနှင့် အရည် စွန့်ပစ်ပစ္စည်းများကို ရန်ကုန်မြို့နယ် စည်ပင်သာယာရေး၏ စည်းကမ်းများ အတိုင်း စွန့်ပစ်ရမည်။
- စက်ရုံသည် လေနှင့် ရေများမှတဆင့် ညစ်ညမ်းမှုအန္တရာယ် ပိုမိုဖြစ်ပေါ် စေနိုင်သော
 မြေကွက်အလွတ်ပေါ်သို့ ဘွိုင်လာမှ စွန့်ပစ်ပြာများကို တိုက်ရိုက်စွန့်ပစ်စုပုံခြင်းကို
 ရှောင်ရှားသင့်ပါသည်။
- 🕹 အလုပ်သမားများအား သင့်တော်သော သင်တန်းများပေးခြင်း၊ လုပ်ငန်းခွင်အတွင်း တစ်ကိုယ်ရည် ကာကွယ်ရေး ပစ္စည်းများ အသုံးပြုစေခြင်းတို့ကို ဆောင်ရွက်ရမည်။
- 🖶 ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်များကို နေ့စဉ်၊ လစဉ်နှင့် နှစ်စဉ် လုပ်ငန်းခွင်အတွင်း လုပ်ဆောင်ရမည်။

- 🖶 ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ် မှတ်တမ်းများကို သေချာသိမ်းဆည်း၍ တတိယ အဖွဲ့ အစည်းထံ တင်ပြရမည်။
- ပြည်ထောင်စုသမ္မတ မြန်မာနိုင်ငံတော်၏ လမ်းညွှန်ချက်များ၊ ပတ်ဝန်းကျင်ဆိုင်ရာ ဥပဒေ၊
 နည်းဥပဒေ၊ စည်းမျဉ်းစည်းကမ်းများနှင့် ချမှတ်ထားသော မူဝါဒ လမ်းညွှန်ချက်များအတိုင်း
 ပတ်ဝန်းကျင်ဆိုင်ရာ စီမံခန့်ခွဲမှု အလေ့အကျင့်များ၊ လုပ်ငန်းစဉ်များနှင့် လိုက်နာ
 ဆောင်ရွက်ရမည်။

အချုပ်အားဖြင့်ဆိုသော် စီမံကိန်းအဆိုပြုသူသည် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာနမှ ဤ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် အစီရင်ခံစာကို စိစစ်သုံးသပ်ပြီးနောက် ညွှန်ကြားလာသော အဆိုပြု ချက်များ၊ အကြံပြုချက်များကို လိုက်နာဆောင်ရွက်ရမည်။ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဦးစီးဌာနမှ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် အစီရင်ခံစာကို အတည်ပြုပြီးသည်နှင့် စီမံကိန်းအဆိုပြုသူသည် ပတ်ဝန်း ကျင်ဆိုင်ရာ စီမံခန့်ခွဲမှုကို ထိထိရောက်ရောက် အကောင်အထည်ဖော် ဆောင်ရွက်ရမည်။ ပတ်ဝန်းကျင် ဆိုင်ရာ စီမံခန့်ခွဲမှုအစီအစဉ်တွင် ဖော်ပြထားသည့်အတိုင်း ပတ်ဝန်းကျင်ဆိုင်ရာ စောင့်ကြပ်ကြည့်ရှုခြင်း အစီရင်ခံစာ (Monitoring Report) ကို ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် အစီရင်ခံစာ (EMP Report) အတည်ပြု ပြီးနောက် (၆) လလျှင် တစ်ကြိမ် ပတ်ဝန်းကျင် ထိန်းသိမ်းရေးဦးစီးဌာနသို့ ရေးသားတင်ပြရမည်။ ပြည်ထောင်စု သမ္မတ မြန်မာနိုင်ငံတော်၏ လမ်းညွှန်ချက်များ၊ ပတ်ဝန်းကျင်ဆိုင်ရာ ဥပဒေ၊ နည်းဥပဒေ၊ စည်းမျဉ်း စည်းကမ်းများနှင့်

EXECUTIVE SUMMARY

Introduction

Guohua Glory Company Limited is new investment for Manufacturing of Garment on CMP Basis company from China. Myanmar Investment Committee (MIC) issued the project on 9 May 2017 with the Permit No. (YGN 1278/2017) and said project requires Environmental Management Plan (EMP) according to project's MIC permit confidential. Therefore, **Guohua Glory Company Limited** commissioned Myanwei Environmental Solutions Company Limited for EMP report study.

According to the Myanmar Environmental Conservation Law (2012), it requires that the proponents of every development project in the country submit either an Initial Environmental Examination (IEE) or an Environmental Impact Assessment (EIA) to Ministry of Natural Resources and Environmental Conservation (MONREC). As per the comments of Environmental Conservation Department (ECD), said project requires an Environmental Management Plan (EMP) to meet the environmental assessment requirements of Notification No. EIA/-1/4-Ka (562/2020) on February 28 2020.

Information of project proponent

Investor Name:	Mr. HAN JIANFENG
Passport No:	G32637697
Citizenship:	Chinese
Address of Resident Abroad	NO. 101, BUILDING 6, DONGDU HUAYUAN, ZHANGJIAGANG, JIANGSU, PEOPLE'S REPUBLIC OF CHINA
Address in Myanmar	Land No.138 out of Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar.

Salient features of the project

Type of Proposed Business	Manufacturing of Garment on CMP Basis	
Type of investment	100% Foreign Investment	
Type of Share	Ordinary Share	
Type of land	Industrial Zone	
Total land area	3.54 acres (14.327 square meter)	
	One-Storey Factory Building (10,000 sq meter)	
Total Duilding avec	One- Storey Warehouse (200 sq meter)	
Total Building area	One- Storey Staff Canteen (500 sq meter)	
	Two- Storey Dormitory Building (180 sq meter)	
Land lease year	30 Years	
Investment Period 50 Years		
Renovation period	1 years and 6 months	

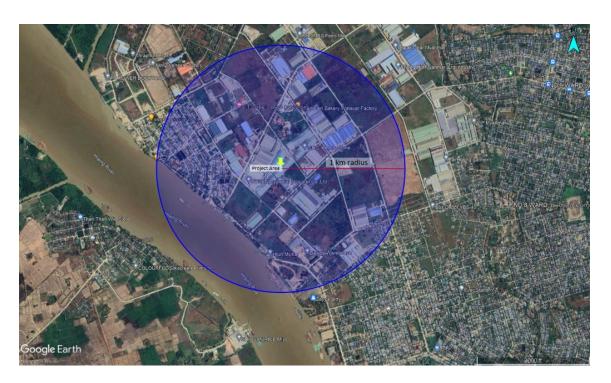
Project Address	Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar.	
	Name- Daw Hla Hla Moe (HR Manager)	
Contact person	Phone - 09458255902	
	Email- hlahlamoeallsuper 12@gmail.com	
	Address- No.1/208, Sanchaung Lay Village, Hlawga, Yangon.	

Policy, Legal and Institutional Framework

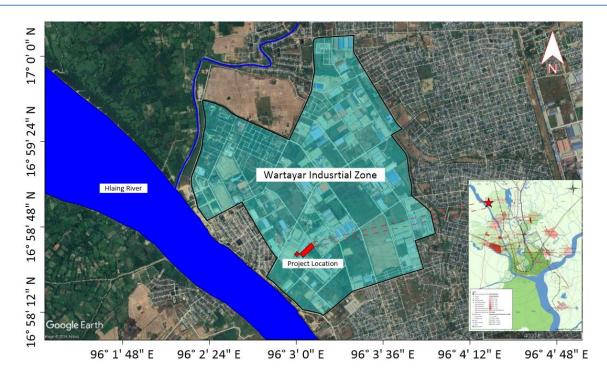
Guohua Glory Company Limited commits to follow policy, law, rules, procedure, and guidelines described in Chapter 2 (Policy, Legal and Institutional Framework) for environmental prevention and EMP.

Project Description

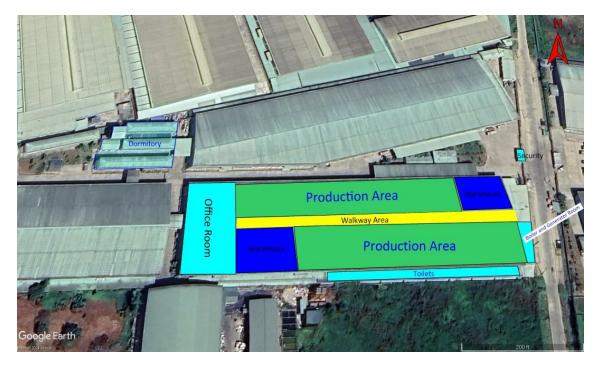
Guohua Glory Company Limited is located at Latitude 16°58'36.82"N and Longitude 96° 3'4.82"E in the Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region and a total area of 3.54 Acres (14.327 Sqm).



Adjacent Location Map of proposed project



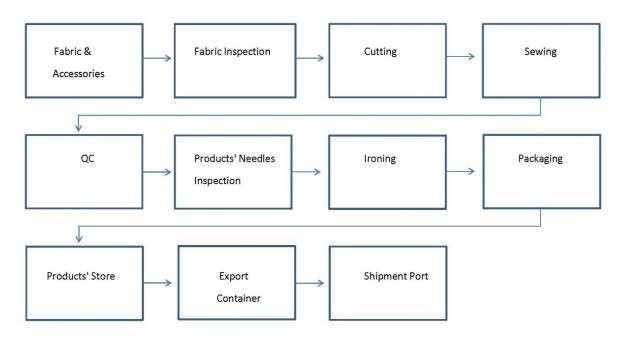
Location Map



Factory Layout Map

The main raw material of **Guohua Glory Company Limited** is Fabric, Lining, button, interlining and thread are imported from China which are stored in factory warehouse. The main product of **Guohua Glory Company Limited** is Manufacturing of Jacket, Pants, Shirt, Coat, Parka and Blouse.

The production will increase from **1,640,000** pcs to **2,187,801** pcs in the first year to 15 years. Final good products will be exported to Denmark, Norway, USA and Italy. Currently, factory will be operated by **1303** employees.



Production process



Product Photos

Brief Description of Surrounding Environment

For environmental baseline, data were collected by onsite measurements analysis during operation phase on 23 November 2023. On-site measurement was taken by air quality, temperature, humidity, noise level and operation light condition at the factory. Moreover, secondary data collection of proposed project site area such as socio-economic condition, physical/ biological environment, weather data were collected from official township data was obtained from Regional Data of Shwe Pyi Thar Township.

Survey Result in Proposed Project

-	Гуре	Result	Guideline value			
Indoor Temperat	Indoor Temperature and Humidity					
	Indoor Temperature	33.2°C	-			
Operation Area	Humidity	61.29 (%)	-			
Outdoor Air Qual	lity					
PM ₁₀		16.07 μg/m³	-			
PM _{2.5}		11.11 μg/m³	50 μg/m³			
Nitrogen dioxide		19.25 μg/m³	25 μg/m³			
Sulfur dioxide		2.28 μg/m³	200 μg/m³			
Ozone		19.68 μg/m³	20 μg/m³			
Carbon Monoxide		0.5 μg/m³	100 μg/m³			
TSP		20.33 μg/m³	-			
Light Result						
Warehouse Area		192.3 Lux	300 Lux			
Cutting Area		840 Lux	1000 Lux			
Sewing Area		820 Lux	400 Lux			
Quality Control Area		1255 Lux	1500 Lux			
Ironing Area		634 Lux	500 Lux			
Packaging Area		735 Lux	600 Lux			
Warehouse Area		192.3 Lux	300 Lux			
Noise level						
Indoor Area		69.8 dBA	70 dBA			
Stack Emission I	Measurement					
Boiler Stack Emi	ssion Measurement					
CO ₂		468 ppm	5000 ppm			
SO ₂		0.01 ppm	5 ppm			
NO ₂		0 ppm	5 ppm			
СО		0.79 ppm	50 ppm			
Generator Stack Emission Measurement						
CO ₂		403 ppm	5000 ppm			

Туре	Result	Guideline value
SO ₂	0.03 ppm	5 ppm
NO ₂	0.01 ppm	5 ppm
СО	0.40 ppm	50 ppm

The results of measuring the factory's drinking water quality and wastewater are found to be within national environmental quality (emissions) guidelines. The results of the measurement are outlined in **APPENDIX D**.

Potential Environmental Impact and Mitigation Measure

Possible effects, such as impacts on environmental resources, ecological resources, human and waste disposal due to construction, operation and decommissioning processes. Potential impacts for the proposed projects are normally differentiated into four main categories, viz, Pre-Construction phase, Construction phase, Operation phase and Decommissioning phase.

The relative importance of each impact is assessed based on the understanding that general mitigation measures will be integrated into the baseline project. Therefore, when the general mitigation measures reduce impacts to the point of rendering them negligible, they are excluded from further analysis. Once the significance of the impact is established as more than negligible, it is described and additional, specific mitigation measures may be proposed to allow optimal integration of the project into the environment.

Evaluation and Perdition of Significant Impacts

Categories	Project Activities		ignific	ant of		ntial	Impact Significance	Mitigation Measure
Gatogonios	110,0017101111100	М	D	Е	Р	SP	impact digimicanos	imagation moded o
Pre-Construction and preparation.	Construction Phase; It is not assessmen	t in thi	s phas	se, bed	ause	of const	ruction is already compl	eted during EMP
Air Pollution	 Dust and GHGs emission from vehicles used for transporting raw materials and final products Emission from emergency diesel generator and vehicle movement 	3	4	1	3	24	Low	To control air pollution, the vehicles, generators and machineries have to check and maintain regularly. Ensuring vehicles, compressor and generator are well maintained. Smoke emission should be fitted with the bag
Water Pollution	 Sewage disposed of from the toilets Oil spill and grease leaks from transporting vehicles and equipment used in operation phase 	3	4	2	3	27	Low	filter. Use separate wastewater channels, septic type toilet system The drainages around the compound area of the factory have to maintain and clean regularly.
Soil Contamination	Engine oil leaks, spills at diesel storage and during fuel refueling.	1	4	1	1	6	Very Low	Proper handling and use to prevent oil spillage. If there is an oil spill, clean up the area immediately.

Categories	Project Activities	S		ant of	Poter ts	ntial	Impact Significance	Mitigation Measure
, and the second	· ·	М	D	Е	Р	SP	, ,	3
								Concrete paving where oil storage tanks are placed.
Noise	Noise from the generating of the emergency generators	3	4	1	3	24	Low	Generators are placed in a separate area with concrete building within the factory area.
	Transportation vehicles							Setting speed limit for vehicles on transport routes.
								To provide fire extinguishers on the walls of the factory and water storage tank for firefighting for fire emergency cases.
Fire Hazard	Poor electrical installationswaste disposed area	3 4 2 4 36 Moderate	Regular inspection for existing firefighting equipment must be done. In case of fire emergency, water storage tank for fire frightening.					
								The emergency fire alarms are installed at the factory for alerting the workers in case of fire.
								The main entrances and route for emergency cases of the factory must

Categories	Project Activities	S	Significant of Potential Impacts				Impact Significance	Mitigation Measure
3 3		М	D	Е	Р	SP	January C. G. Marcanico	
								not be blocked with materials or machines for fire emergency cases.
Occupational Health and Safety	 Accidental cases cause by operating machines. Electricity and emergency diesel generators. Malfunctioning electrical equipment. Handling chemical and cardboard boxes 	3	4	1	4	32	Moderate	First aid training, safety training, firefighting training or other essential training for machinery handling must be provided for emergency cases of workers. According to the observed light intensity values, the proponent provides sufficient lighting for workers for safe working and reducing optical problems of the workers. Personal Protective Equipment (PPEs) like mask, earmuffs, helmets and goggles are provided for each department. To prevent electric shock hazards, electrical maintenance staff (handyman) is to be assigned to do regular

Categories	Project Activities	S	ignific	ant of		ntial	Impact Significance	Mitigation Measure
		М	D	Е	Р	SP		
								inspections and take preventive measures.
								Manage the drainage systems of the factory to prevent health risk of the workers.
								The maximum allowable noise level for workers is 90dB(A) for 8hours exposure a day. Thus, adequate protective noise impact measures in the form of ear muffs/ear plugs to the workers working in high noise areas.
Solid Waste	Plastic WasteCardboard boxesOffice waste	3	4	2	4	36	Moderate	Provides separate garbage bins at each building. All of the solid wastes will be collected separately in garbage based on their types and stored in relevant separated waste storage area. Final wastes should be
								disposed by using township municipality's service.

Categories	Project Activities	S	Significant of Potential Impacts				Impact Significance	Mitigation Measure
Gatogories	. reject / carried	М	D	Е	Р	SP	impast significants	mitigation modelio
Liquid Waste	 Septic system and sewage. Domestic liquid waste disposal Liquid waste from washing and cleaning process 	3	4	2	3	27	Low	Regular inspection and cleaning, oil traps, septic tank and adequate covers for all storage and waste disposal areas can decrease these contaminations.
								Proper inspection and maintenance in storage of hazardous waste.
	Engine oil leaks, spills at diesel storage and during fuel refueling.							Dispose of hazardous waste and containers in accordance with occupational health, safety and environmental requirements.
Hazardous Waste	 Used oil and lubricant discharged from the maintenance of vehicles and machines. Empty chemical containers 	3	4	1	3	24	Low	The empty hazardous containers are reused in manufacturing of packaging materials packaging materials operation.
								The hazardous wastes are transported by specially licensed carriers and disposed in a licensed faculty.

Categories	Project Activities	S	ignific	ant of		ntial	Impact Significance	Mitigation Measure	
Gatogorios	. reject / carriage	М	D E P SP	SP	impact digimicanos	imagadon moadaro			
Social-economic Condition	Job opportunities for local people	-	-	-	-	-	-	Positive Impact	
	Decommissioning Phase								
Air Pollution	Demolition activities Transporting of packaging materials equipment and machinery	3	1	2	4	24	Low	Sprinkling water on the top soil can reduce dust emission from the decommissioning activities. Vehicle movements should be limit and maintain and check the vehicles and machineries regularly.	
Water Pollution	Demolition activitiesWaste materialsOil spills from vehicles	2	1	2	3	15	Low	Properly disposed of the waste materials. Manage the spillage of oil and diesel.	
Soil Contamination	Waste materialsOil spill from the decommissioning vehicles	3	1	1	3	15	Low	Properly disposed of the waste materials. Manage the spillage of oil and diesel.	

Categories	Project Activities	S	ignific	ant of		ntial	Impact Significance	Mitigation Measure
Calogonico		М	D	Е	Р	SP	impact organicanos	minganon moacaro
Noise	 Demolition activities Transporting of packaging materials equipment and machinery 	3	1	2	3	18	Low	Carry out the activities during day time. Vehicle movements should be limit and maintain and check the vehicles and machineries regularly
Solid Waste	Various kinds of solid waste from decommissioning activities	2	1	1	3	12	Very Low	Recyclable materials and dispose to the define areas.
Hazardous waste	Used lubricants from decommissioning vehicles and machines	2	1	1	3	12	Very Low	Manage the disposal way of hazardous waste.
Occupational Health and Safety (Accidents, Injuries)	 Handling of equipment and machinery Uninstalling and removal of packaging materials equipment and machinery Disconnecting power sources Waste materials 	3	1	2	3	18	Low	Providing the appropriate warning signs, marking and safety signs and injury notice board. Providing PPE to workers.

Environment Management Sub-Plan

The proposed project of environmental management plan, which need to made the PDCA plan especially Plan-Do-Check-Act cycle. In that plan, it includes not only reducing to the environmental and social-economic impact but also includes the environmental management plan and the monitoring plan. In this EMP to implement the health, safety and occupational for the industry, they need to create a team and to must be implemented that. The EMP for manufacturing of garment on CMP Basis Project of **Guohua Glory Company Limited** has been prepared to address potential issues based upon discussion with factory management, workers, local community's view, stakeholder consultation and from the site visit of experts. The EMP is additional to and compliments the factory's safety management system. The following environmental issues that require environmental management plans based upon the potential impacts of activities by for the manufacturing of garment on CMP Basis materials project are as follows:

- 1. Air pollution/Dust Management plan
- 2. Noise Management Plan
- 3. Fire Management Plan
- 4. Occupational Safety and Health Management Plan
- 5. Water Consumption Management Plan
- 6. Solid Waste Management plan
- 7. Liquid Waste Management Plan
- 8. Hazardous Waste Management Plan
- 9. Energy Management Plan
- 10. Emergency Response and Management plan
- 11. Environmental Monitoring Schedule and Reporting
- 12. Capacity Building and Training Plan
- 13. Grievance Redress Mechanism
- 14. Corporate Social Responsible (CSR) Plan

Public Consultation Meeting

The Public Consultation was held at Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar on 27 December 2024. Daw Hla Hla Moe presented about of **Guohua Glory Company Limited**'s Manufacturing of Garment on CMP Basis, activities of the factory and Daw Wint Zar Ni Mg Mg presented the EMP study and findings. After the presentation on the project, followed by questions, answers and discussion. There were **23** participants in the meeting.

Conclusion & Recommendation

In Conclusion, the environmental management practices, procedures and responsibilities are defined here in to get full compliance with the existing environmental policy, laws, rules and instructions of the Republic of the Union of Myanmar. All the feed backs, desired and needs of local public recorded in public consultation meetings are well addressed and incorporated in formulation of EMP. It has been figured out that, the proposed shoes factory is going to generate local employment opportunities and enhance capabilities and working skills of employees. Consequently, their socio-economic standard is expected to be improved and undertaking corporate social responsibilities (CSR) as recommended. The study further concluded that positive impacts will be of immense benefit to the local community and national development as well.

This is recommended that:

- All appropriate environmental management measures detailed in this report, along with any other environmental management commitments, should be implemented throughout the entire life of the factory.
- Solid waste, liquid waste, and hazardous waste should be disposed of in accordance with the Yangon Municipal rules and regulations.
- The factory should avoid the practice of dumping fly ash or bottom ash directly onto open land, as this increases the risk of contamination through wind and water runoff.
- Workers should be provided with proper training, and it should be ensured that workers use PPE in the factory operation areas.
- Daily, monthly, and annual action plans should be formulated based on this EMP and implemented at the operational level.
- Full records of environmental management activities should be kept and presented for annual independent third-party environmental audits.
- The factory should abide by the environmental policies, laws, rules, and regulations of the Republic of the Union of Myanmar.

Finally, the proponent should follow the comments and suggestions made by ECD after reviewing this EMP report. Once concerned authorities approve EMP, effective implementation of EMP by the project proponent is essential. The Project Proponent shall submit monitoring report to the Ministry every six (6) months, as provided in a schedule in the EMP. The proponent should abide environmental policy, laws, rules and instructions of the Republic of the Union of Myanmar.

1. INTRODUCTION

Environment Management Plan is required for ensuring sustainable development. It should not affect the surrounding environment adversely. The management plan presented in this chapter needs to be implemented by the proposed expansion of **Guohua Glory Company Limited** The Environmental Management Plan (EMP) aims at controlling pollution at source with available and affordable technology followed by treatment measures. Waste minimization and waste recycling measures are emphasized. In addition to the industry specific control measures, the proposed industry should adopt following guidelines.

1.1. AIM OF ENVIRONMENTAL MANAGEMENT PLAN

- ♣ Provide environmental management plan that minimize the environmental impact of the works and identify those responsible for its implementation.
- Define the monitoring program, which assess the implementation.

1.2. OBJECTIVE OF ENVIRONMENTAL MANAGEMENT PLAN

An Environment Management System (EMS) is a framework that helps an organization achieves its environmental goals through consistent review, evaluation, and improvement of its environmental performance. The assumption is that this consistent review and evaluation will identify opportunities for improving and implementing the environmental performance of the organization. The EMS itself does not dictate a level of environmental performance that must be achieved; each organization's EMS is tailored to its own individual objectives and targets.

An EMS encourages an organization to continuously improve its environmental performance. The system follows a repeating cycle the organization first commits to an environmental policy, then uses its policy as a basis for establishing a plan, which sets objectives and targets for improving environmental performance. The next step is implementation. After that, the organization evaluates its environmental performance to see whether the objectives and targets are being met. If targets are not being met, corrective action is taken. The results of this evaluation are then reviewed by top management to see if the EMS is working. Management revisits the environmental policy and sets new targets in a revised plan. The company then implements the revised plan. The cycle repeats, and continuous improvement occurs.

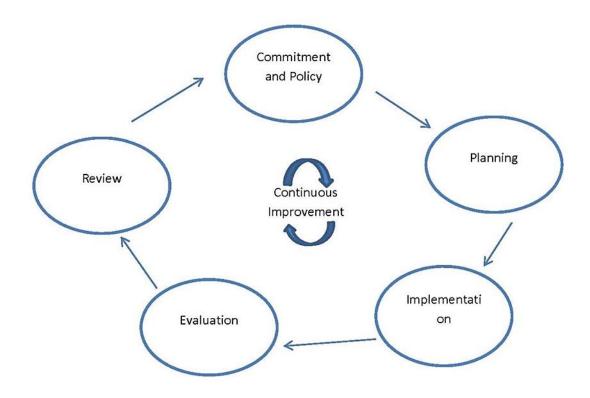


Figure 1-1 Continuous Improvement Circle

- **♣ Commitment and Policy** Top management commits to environmental improvement and establishes the organization's environmental policy. The policy is the foundation of the EMS.
- ♣ Planning An organization first identifies environmental aspects of its operations. Environmental aspects are those items, such as air pollutants or hazardous waste that can have negative impacts on people and the environment. An organization then determines which aspects are significant by choosing criteria considered most important by the organization. For example, an organization may choose worker health and safety, environmental compliance, and cost as its criteria. Once significant environmental aspects are determined, an organization sets objectives and targets. An objective is an overall environmental goal (e.g., minimize use of chemical X). A target is a detailed, quantified requirement that arises from the objectives (e.g., reduce use of chemical X by 25% by September 1998). The final part of the planning stage is devising an action plan for meeting the targets. This includes designating responsibilities, establishing a schedule, and outlining clearly defined steps to meet the targets.
- ♣ Implementation An organization follows through with the action plan using the necessary resources (human, financial, etc.). An important component is employee training and awareness for all employees. Other steps in the implementation stage include documentation, following operating procedures, and setting up internal and external communication lines.
- **♣ Evaluation** A company monitors its operations to evaluate whether targets are being met. If not, the company takes corrective action.
- Review Top management reviews the results of the evaluation to see if the EMS is working. Management determines whether the original environmental policy is consistent with the organization's

values. The plan is then revised to optimize the effectiveness of the EMS. The review stage creates a loop of continuous improvement for a company.

1.2.1. Institutional Requirement

Guohua Glory Company Limited will manage the development of the proposed project. The project proponent should appoint Health, Safety and Environment (HSE) issues throughout the duration of the project phases. HSE team is responsible for implementation and monitoring of EMP and Environmental Monitoring Plan (EMP) as well as coordination with local authorities and the nearby communities. The HSE Team also makes regular review of EMP to cover all potential impacts, amendments and modifications.

1.2.2. Responsibilities of the EMP

In order to ensure the sound development and effective implementation of the EMP, it will be necessary to identify and define the responsibilities. The environmental management practices, procedures, and responsibilities are defined herein to get full compliance with the existing environmental policy, laws, rules and regulations of the Republic of the Union of Myanmar. The following entities should be involved in the implementation of this EMP:

Guohua Glory Company Limited: The proponent will be charged with the responsibility for ensuring that the proposed development has been accomplished in an environmentally sound manner. This can be achieved by inclusion of environmental specifications in the tender specifications, selection of environmentally conscious contractors, and supervision to ensure that the objectives of this EMP are met. The implementation of Environmental Management Plan (EMP) process will prepare and follow up by appointed persons for health, safety, and environmental management under the instruction of management team of **Guohua Glory Company Limited** for EMP implementation facilities.

ECD: The responsibility of ECD is to exercise general supervision and coordinating over all matters relating to the environment and to be instrumental in providing guidance for recognized regulatory frameworks.

Environmental Consultant: The environmental consultant will have to ensure that the proposed EMP is up to date and is being followed properly by the proponent. Periodic audits of the EMP will have to be done to ensure that its performance is as expected, by comparing with operating standards so that any corrective actions can be taken.

1.2.3. Structure and Responsibilities for the EMP Development and Implementation

The HSE officer is responsible to the HSE components of the project and on matters relating to the implementation of the EMP throughout operation life. The S&E officer will have responsibilities that include:

- Ensure a monitoring system is in place to track and report all health, safety and environmental incidents;
- Carry out a thorough initial site inspection of environmental controls prior to work commencement;
- ♣ Record and provide a written report to the General Manager and production team of nonconformances with the EMP and require the HR supervisor to undertake mitigation measures to avoid or minimize any adverse impacts on environment or report required changes to the EMP.

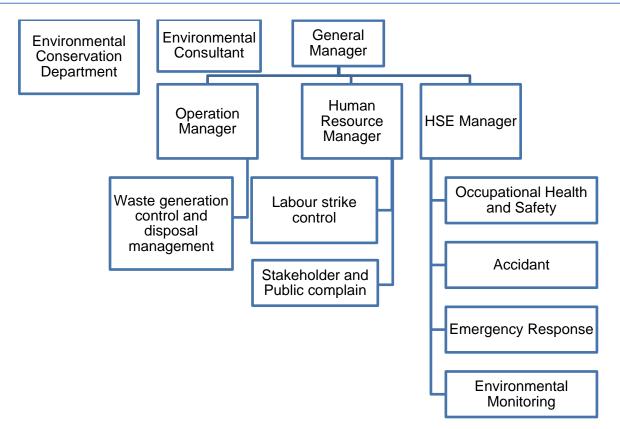


Figure 1-2 Organization Structure of Environmental Management Plan

1.3. PROJECT BACKGROUND

Guohua Glory Company Limited is new investment for Manufacturing of Garment on CMP Basis company from China. Myanmar Investment Committee (MIC) issued the project on 9 May 2017 with the Permit No. (YGN 1278/2017) and said project requires Environmental Management Plan (EMP) according to project's MIC permit confidential. Therefore, **Guohua Glory Company Limited** commissioned Myanwei Environmental Solutions Company Limited for EMP report study.

According to the Myanmar Environmental Conservation Law (2012), it requires that the proponents of every development project in the country submit either an Initial Environmental Examination (IEE) or an Environmental Impact Assessment (EIA) to Ministry of Natural Resources and Environmental Conservation (MONREC). As per the comments of Environmental Conservation Department (ECD), said project requires an Environmental Management Plan (EMP) to meet the environmental assessment requirements of Notification No. EIA/-1/4-Ka (562/2020) on February 28 2020.

The proposed project site for 3.54 Acres (14.327Sqm) of land from 2017 to 2067 recommended by the Yangon Region Government.

1.3.1. Project Proponent Profile

This is the information of project proponent from the MIC's registration that is describing in below **Table 1-1.**

Table 1-1 Information of Investor

Investor Name:	Mr. HAN JIANFENG
Passport No:	G32637697
Citizenship:	Chinese
Address of Resident Abroad	NO. 101, BUILDING 6, DONGDU HUAYUAN, ZHANGJIAGANG, JIANGSU, PEOPLE'S REPUBLIC OF CHINA
Address in Myanmar	Land No.138 out of Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar.

1.3.2. Investment Plan and Salient Features of the Project

The estimated authorized capital investment is US \$ 2.04 million according to Industrial License. Organization chart of **Guohua Glory Company Limited** is presented in **Figure 1-3**.

Table 1-2 Salient features of the project

Table 12 Galloni loatare						
Type of Proposed Business	Manufacturing of Garment on CMP Basis					
Type of investment	100% Foreign Investment					
Type of Share	Ordinary Share					
Type of land	Industrial Zone					
Total land area	3.54 acres (14.327 square meter)					
	One-Storey Factory Building (10,000 sq meter)					
Total Building area	One- Storey Warehouse (200 sq meter)					
	One- Storey Staff Canteen (500 sq meter)					
	Two- Storey Dormitory Building (180 sq meter)					
Land lease year	30 Years					
Investment Period	50 Years					
Renovation period	1 years and 6 months					
Project Address	Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar.					
	Name- Daw Hla Hla Moe (HR Manager)					
	Phone- 09458255902					
Contact person	Email- hlahlamoeallsuper 12@gmail.com					
	Address- No.1/208, Sanchaung Lay Village, Hlawga, Yangon.					

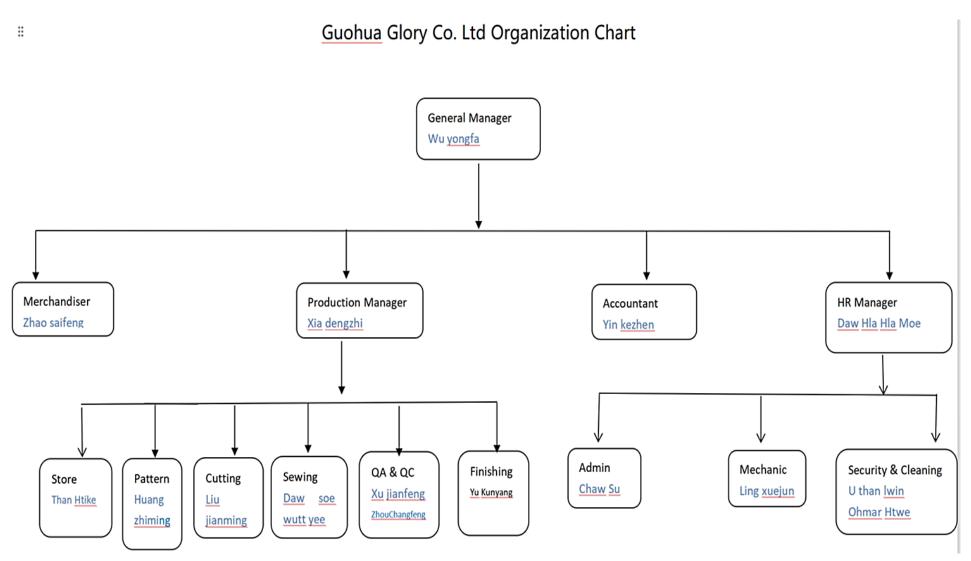


Figure 1-3 Organization Chart of Guohua Glory Company Limited

1.4. EMP STUDY TEAM

Myanwei Environmental Solutions Company Limited prepares the EMP for the proposed project. The environmental study was carried out by the following study team and the following is their expertise license and information of supporting member is shown in **APPENDIX B.** Member of EMP study teams is shown in **Table 1-4**.

Table 1-3 Member of EMP Study Team

စဉ်	အမည်	လိုင်စင်အမှတ်	အမျိုးအစား	ခွင့်ပြုသည့်နယ်ပယ်	Responsibility
Oll	ဦးလင်းထက်စိန်	EIA-AC 053/2023	တွဲဖက်အကြံပေး	အထွေထွေပတ်ဝန်းကျင်စီမံခန့်ခွဲခြင်း	Chapter 6 (General Environmental Management – Project Leading: Communication, Discussion with Project Proponent for Environmental Management, Foundation and Consultancy for Environmental Management System) Chapter 5 (Risk Assessment - Activities of the Project: Finding and Identification the Risk Assessment, Evaluation the Affected Risks and Management for the Project's Environmental Prevention) Executive for Environmental Policy and
					Objectives
					Occupational Health & Community Health Impacts Assessment
		EIA-AC		လူမှုရေးဆိုင်ရာလေ့လာခြင်းနှင့် သရုပ်ခွဲ ဆန်းစစ်ခြင်း	Chapter 4, Chapter 7 (Social Study and Analysis – Check and Review Social Data, Data Entry and Report Writing)
JII	ဦးထွန်းလင်းကျော်	051/2023	တွဲဖက်အကြံပေး		Chapter 5, Chapter 6 (Solid Waste and Hazardous Waste Management –Advise for Waste Disposal System, Management and Monitoring)

					Chapter 4 (Noise and Vibration - Baseline Survey and Monitoring, Data Analysis and Modelling, Data Entry and Report Writing)
					Chapter 2 (Legal Studies and Analysis - Check and Review legal requirements related to project, Data Entry and Report Writing)
					Chapter 7 (Social Study and Analysis – Leading Public Consultation Meeting)
	302030000	န်းစောရန်နောင် EIA-AC တွဲဖက်အကြံပေး လူမှုရေးဆိုင်ရာလေ့လာခြင်းနှင့် 054/2023 တွဲဖက်အကြံပေး သရုပ်ခွဲ ဆန်းစစ်ခြင်း	Chapter 5, Chapter 6 (Solid Waste and Hazardous Waste Management – Identify of Wastes, Management and Monitoring)		
511	ည်းဖောာ်စုရေသင		Chapter 4 (Natural Resources Management (Forestry) - Check and Review Biological Data, Data Entry and Report Writing)		
				Chapter 5 (Soil Conservation - Check and Review Soil Data, Data Entry and Report Writing)	
911	ဦးကောင်းဆက်လွင်	EIA-AC 055/2023	တွဲဖက်အကြံပေး	ဘူမိဆိုင်ရာဆန်းစစ်လေ့လာခြင်း	Chapter 4 (Geological Assessment - Check and Review Geological Data, Data Entry and Report Writing)
				လေထုညစ်ညမ်းမှုစောင့်ကြပ်	Chapter 4 (Air Pollution Monitoring, Meteorology, Air Quality Assessment and Prediction – Baseline Survey and Monitoring, Data Analysis and Modelling, Check and Review Meteorological Data, Data Entry and Report Writing)
၅။	ဒေါ် ဆုမြတ်လှိုင်	= $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$	ငေဝထုည်စည်မီးမှုစောင့်ကြပ ကြည့်ရှုခြင်း	Chapter 5 (Air Pollution Prevention and Control – Evaluation of the Air Quality Impacts and Mitigation Measures, Adaptation for Air Pollution, Air Pollution Management, Control and Monitoring),	
				Chapter 4 (Hydrology, Surface Water and Ground Water Conservation - Check and	

	Review Hydrological and Hydrogeological Data and Report Writing)
	Chapter 4, Chapter 5 (Water Pollution, Prevention, Control, Monitoring and Impact Prediction – Baseline Survey and Monitoring and Report Writing)

Table 1-4 Supporting Team

Supporting Team		
Oll	ဦးအောင်ရဲသော်	Chapter 5 (Risk Assessment - Check and Review Meteorological Data of the Affected Risks and Management for the Project's Environmental Prevention)
- "		Chapter 5, Chapter 6 (Solid Waste and Hazardous Waste Management -Analysis of Wastes,
		Management and Monitoring

2. POLICY, LEGAL AND INSTITUTIONAL FRAMEWORK

This section provides a brief summary of relevant national environmental legislations established by the MONREC and overview of current local and international environmental and social policies including related international or regional convention for the proposed project.

2.1. MYANMAR REGULATORY FRAMWORK

Myanmar has 31 ministries under the Office of the President as of February 2021. The leading ministries in-charge of environmental and social considerations is the Environmental Conservation Department (ECD) of the MONREC that was reorganized Ministry of Environmental Conservation and Forestry (MOECAF) in April 2016.

2.1.1. Laws and Regulations Related to Environmental and Social Considerations

Guohua Glory Company Limited commits to follow sections, rules, article, and principles described in **Table 2-1** and section 2.2.

Table 2-1 List of Myanmar's Law Relating to Environmental Management

Law and Regulation	Description		
(Constitution of the Republic of the Union of Myanmar (2008)		
Section 45	The Union shall protect and conserve natural environment.		
Section 350	Women shall be entitled to the same rights and salaries as that received by men in respect of similar work.		
	Every citizen has the duty to assist the Union in carrying out the following matters:		
	(a) preservation and safeguarding of cultural heritage;		
Section 390	(b) environmental conservation;		
	(c) striving for development of human resources;		
	(d) protection and preservation of public property		
	Environmental Conservation Law, 30 March 2012		
	The project proponent commits to comply with the section 3 sub-sections (c), (d) and (e), section 7 sub-sections (c), (m), (n) and (p), section 14, Section 15, Section 16 sub-sections (a), (b) and (c).		
	(c) to enable to emerge a healthy and clean environment and to enable to conserve natural and cultural heritage for the benefit of present and future generations;		
Section 3	(d) to reclaim ecosystems as may be possible which are starting to degenerate and disappear;		
	(e) to enable to manage and implement for decrease and loss of natural resources and for enabling the sustainable use beneficially;		
	(c) laying down, carrying out and monitoring programmed for conservation and enhancement of the environment, and for conservation, control and abatement not to cause environmental pollution		
Section 7	(m) causing to lay down and carry out a system of environmental impact assessment and social impact assessment as to whether or not a project or activity to be undertaken by any Government department, organization or person may cause a significant impact on the environment;		

	(n) laying down guidance relating to the management, conservation and enhancement of environment for the matters of protection of ozone layer, conservation of biological diversity, conservation of coastal environment, mitigation and adaptation of global warming and climate change, combating desertification and management of non- depleting substances and management of other environmental matters;		
	(p) carrying out other functions and duties assigned by the Union Government relating to environmental conservation		
Section 14	A person causing a point source of pollution shall treat, emit, discharge and deposit the substances which cause pollution in the environment in accord with stipulated environmental quality standards.		
Section 15	The owner or occupier of any business, material or place which causes a point source of pollution shall install or use an on-site facility or controlling equipment in order to monitor, control, manage, reduce or eliminate environmental pollution. If it is impracticable, it shall be arranged to dispose the wastes in accord with environmentally sound methods.		
	A person or organization operating business in the industrial estate or business in the SEZ or category of business stipulated by the Ministry:		
0	(a) is responsible to carry out by contributing the stipulated cash or kind in the relevant combined scheme for the environmental conservation including the management and treatment of waste;		
Section 16	(b) shall contribute the stipulated user's charges or management fees for the environmental conservation according to the relevant industrial estate, SEZ and business organization;		
	(c) shall comply with the directives issued for environmental conservation according to the relevant industrial estate, SEZ or business.		
	Environmental Conservation Rules, 2014		
The project proponent c	ommits to comply with the rule 69 sub-sections (a) and (b).		
	(a) Any person shall not emit, cause to emit, dispose, cause to dispose, pile and cause to pile, by any means, the pollutants to environment and the hazardous waste or hazardous material stipulated by notification under the Law and any of these rules at any place which may affect the public directly or indirectly.		
Rule 69	(b) Nobody shall carry out any activity which can damage the ecosystem and the natural		
	environment which is affected due to such system, except for the permission of the Ministry for the interests of the people.		
En	vironmental Impact Assessment Procedure (December 2015)		
The project proponent c	ommits to comply with the article 63 (8.0), article 87, article 88.		
	Environmental Management Plan		
	8.1 Project Description by Project phase (pre-construction, construction,		
	operation, decommissioning, closure and post-closure)		
Article 63 (8.0)	8.2 Project's Environmental, Socio-economic and, where relevant, Health		
7 (1 (10) 00 (0.0)	Policies and Commitments, legal requirements and institutional		
	arrangements		
	8.3 Summary of Impacts and Mitigation Measures		
	8.4 Overall budget for implementation of the EMP		

	8.5 Management and Monitoring Sub-Plans by Project phase (pre-	
	construction, construction, operation, decommissioning, closure and post-	
	closure); the Management and Monitoring Sub-Plans shall address and	
	satisfy all relevant environmental and social management and monitoring	
	issues such as but not limited to noise, vibrations, waste, hazardous	
	waste, wastewater and storm water, air quality, odor, chemicals, water	
	quality, erosion and sedimentation, biodiversity, occupational and	
	community health and safety, cultural heritage, employment and training,	
	and emergency response	
	8.6 Content of each Sub-Plan	
	8.6.1 Objectives	
	8.6.2 Legal Requirements	
	8.6.3 Overview maps and site layout maps, images, aerial photos,	
	Satellite images	
	8.6.4 Implementation Schedule	
	8.6.5 Management Actions	
	8.6.6 Monitoring Plans	
	8.6.7 Projected Budgets and Responsibilities	
Article 87	Upon receipt of the written approval from the relevant authority, the Project Proponent shall commence implementation of the Project strictly in accordance with the conditions attached to the ECC and including the EMP, within such time as may be prescribed by the Ministry.	
	An ECC is granted in respect of a specific, clearly identified Project. The ECC must specify:	
	a) the registered name and registered office address of the Project Proponent to whom the ECC is issued;	
Article 88	b) the documentation (IEE Report/EIA Report) that the Project Proponent submitted to the Ministry and on the basis of which the ECC has been issued;	
	c) a map, images, aerial photos and satellite images showing the geographic location(s) of the Project and each of its components;	
	d) the Project type and layout with an overview of activities, installations, operations, production capacity, production methods, and waste generation; and	
	e) Project phases and timing (the commencement and conclusion dates of each).	
National Environmental Policy of Myanmar (2019)		
The project proponent commits to comply with the principle 1, 2, 3, 4, 5, 6, 8, 10, 11, 13.		
Principle 1	Every person and citizen living in Myanmar has the right to access a clean and healthy environment, and the duty to protect the environment.	
Principle 2	The complete value of Myanmar's environment is recognized and considered – both tangible and intangible values, including its significant spiritual values, ecological assets and cultural heritage, in addition to its direct benefits for humanity.	
Principle 3	Environment and natural resource management will recognise the critical roles that Myanmar's natural capital and ecosystem services play in the country's society and economy.	

Principle 4	Myanmar's ecosystems are to be protected and managed in a sustainable way in order to maintain their natural functions and resilience, and rich biodiversity.	
Principle 5	Myanmar's natural resources are to be protected and managed in integrated and sustainable ways without diminishing their availability and quality for future generations.	
Principle 6	The rights of indigenous people and ethnic nationalities to their lands, territories, resources and cultural heritage, and their roles in environmental conservation and natural resources management, are recognised and protected	
Principle 8	Environmental sustainability will always be a central objective in determining Myanmar's economic and social development strategies, which will prioritise low carbon and green economy pathways, through responsible investment and partnerships with the private sector and civil society.	
Principle 10	Sustainable and renewable energy for the needs of people and for economic development in Myanmar will be secured, and utilized efficiently, through the use of existing technology and innovations in the generation, storage, supply and use of energy	
Principle 11	Climate smart approaches to development, including resilience, climate change adaptation and mitigation, and disaster reduction strategies, will be aligned to environmental protection and good natural resource management approaches in the pursuit of low- carbon, sustainable development	
Principle 13	Pollution and waste are to be avoided and minimised at the source as more cost effective than remediation, enterprises will be encouraged to adopt clean production principles and best practices	
	Myanmar Investment Rules (2017, amended in 2018)	
The project proponent c	ommits to comply with the rule 202, 203.	
Rule 202	The investor shall comply with all terms and conditions in the permit and other applicable laws when the investment is carried out.	
Rule 203	The investor shall fully assist the negotiating processes with the relevant government departments and government organizations for the affected persons due to investment plans.	
	Myanmar Investment Law, 2016	
The project proponent commits to comply with the section 50 sub-section (d), section 51 sub-section (a), (b), (c), (d), (e) and (f), section 65 sub-sections (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l), (m), (n), (o), (p) and (q), and section 73.		
Section 50	(d)The investor shall register the land lease contract at the Office of Registry of Deeds in accordance with the Registration Act.	
	The investor:	
Section 51	(a) may appoint of any citizen who is a qualified person as senior manager, technical and operational expert, and advisor in his investment within the Union in accordance with the Laws;	
Coolon on	(b) shall appoint them to replace, after providing for capacity building programs in order to be able to appoint citizens to different level positions of management, technical and operational experts, and advisors;	
	(c) shall appoint only citizens for works which does not require skill;	

(d) shall appoint skilled citizen and foreign workers, technicians, and staff by signing
an employment contract between employer and employee in accordance with the
labor laws and rules;

- (e) shall ensure to obtain the entitlements and rights in the labor laws and rules, including minimum wages and salary, leave, holiday, overtime fee, damages, compensation of the workman, social welfare, and other insurance relating to workers in stipulating the rights and duties of employers and employees and occupational terms and conditions in the employment contract;
- (f) shall settle disputes arising among employers, among workers, between employers and workers, and technicians or staff in the investment in accordance with the applicable laws.

The Investor:

- (a)shall respect and comply with the customs, traditions and traditional culture of the ethnic groups in the Union;
- (b)shall establish and register a company or sole proprietorship or legal entities or branches of such entities under the laws in order to invest:
- (c)shall abide by the terms and conditions, stipulations of

special licenses, permits, and business operation certificates issued to them, including the rules, notifications, orders, and directives and procedures issued by this Law and the applicable laws, terms and conditions of contract and tax obligations;

- (d)shall carry out in accordance with the stipulations of the relevant department if it is, by the nature of business or by other need, required to obtain any license or permit from the relevant Union Ministries, government departments and governmental organizations, or to carry out registration:
- (e)shall immediately inform the Commission if it is found that natural mineral resources or antique objects and treasure trove not related to the investment permitted above and under the land on which the investor is entitled to lease or use and not included in the original contracts. If the Commission allows, the investor shall continue to carry out the investment in such land, and if not allowed, the investor shall transfer and carry out, by obtaining the permission, at the substituted place which is selected and submitted by him;

(f)shall not make any significant alteration of topography or elevation of the land on which he is entitled to lease or to use, without the approval of the Commission;

- (g)shall abide by the applicable laws, rules, procedures and best standards practiced internationally for this investment so as not to cause damage, pollution, and loss to the natural and social environment and not to cause damage to cultural heritage;
- (h)shall list and keep proper records in books of accounting and annual financial statements, and necessary financial matters relating to the investments performed by a Permit or an Endorsement in accordance with internationally and locally recognized accounting standards;
- (i)shall close and discontinue the investment only after payment of compensation to employees in accordance with applicable laws for any breach of employment contracts, closure of investment, sale and transfer of investment, discontinuation of investment, or reduction of workforce;
- (j)shall pay wages and salaries to employees in accordance with applicable laws, rules, procedures, directives and so forth during the period of suspension of investment for a credible reason:

Section 65

Myanwei Environmental Solutions Company Limited

	(k)shall pay compensation and indemnification in accordance with applicable laws to the relevant employee or his successor for injury, disability, disease and death due to the work;
	(I)shall supervise foreign experts, supervisors and their families, who employ in its investment, to abide by the applicable laws, rules, orders and directives, and the culture and traditions of Myanmar;
	(m)shall respect and comply with the labor laws;
	(n)shall have the right to sue and to be sued in accordance with the laws;
	(o) shall pay effective compensation for loss incurred to the victim, if there is damage to the natural environment and socioeconomic losses caused by logging or extraction of natural resources which are not related to the scope of the permissible investment, except from carrying out the activities required to conduct investment in a Permit or an Endorsement.
	(p)shall allow the Commission to inspect in any places, when the Commission informs the prior notice to inspect the investment;
	(q)shall take in advance a Permit or an Endorsement of the Commission for the investments which need to obtain prior approval under the Environmental Conservation Law and the procedures of environmental impact assessment, before undertaking the assessment. Such investments shall be submitted the situation of environmental and social impact assessment to the Commission during the permitted investment period.
Section 73	The investor shall ensure the types of insurance stipulated in the provision of the rules at any insurance enterprise which is entitled to carry out insurance businesses within the Union.
	Myanmar Insurance Law (1993)
The project proponent c	ommits to comply with the section 15 and 16.
Section 15	Owners of motor vehicles shall affect compulsory Third Party Liability Insurance with the Myanmar Insurance.
Section 16	An entrepreneur or an organization operating an enterprise which may cause loss to State-owned property or which may cause damage to the life and property of the public or which may cause pollution to the environment shall affect compulsory General Liability Insurance with the Myanmar insurance.
	Payment of Wages Law (2016)
	ommits to comply with the section 3 sub-sections (a), (b)), section 4 sub-sections (a), g), section 5, 7, 8, 9, section 10 sub-sections (a), (b), (c), (d), (e), (f), (g), (h), (i) and (j), (a), (b).
	The employer:
Section 3	a) shall pay wages to the workers employing in his business in local currency or foreign currencies stipulated by the Central Bank of Myanmar. Such payment may be paid in cash or cheque or deposit into the bank account of the worker with the agreement between the employer and the worker.
Section 3	b) In paying such wages:
	i. if it is necessary to pay particular benefit, profits and opportunities for workers working in commerce, production and service businesses, it may be paid in cash or some in cash and some in things set up by local price on own volition of workers in accordance with the stipulations;

	a) shall pay wages at the end of the work or at the time agreed to pay to the worker for hourly, daily, weekly or other part time work, or temporary or piece work;
	b) shall not exceed one month than the period agreed with the worker under subsection (a) to pay wages;
	c) shall pay the wages for the permanent work monthly. In making such payment:
	i. if workers are not more than 100, wages shall be paid at the end of the period for payment of wage;
	ii. if workers are more than 100, it shall be paid no later than five days after the end of the period for payment of wage;
	d) shall pay the due wages within two working days from the date of termination, if a worker is terminated;
	e) shall pay the wages at the end of the period for payment of wages, if a worker resigns on his own volition by sending prior written notice of resignation;
	f) shall pay the due wages to a legal heir within two working days after the decease, if a worker is deceased;
	g) shall pay all wages on a working day.
Section 5	If an employer encounters difficulties to make payment under sub-section (c) of the Section 4 due to any unexpected condition, including natural disaster, the employer shall submit that which date has been altered for the payment of wages with the consent of the workers to the Department on reasonable ground.
	The employer:
	a) may deduct from wages, except leaves which are entitled wages under the relevant law and public holidays, for the absent period from work;
Section 7	b) may deduct expenses which are allowance for accommodation and ferry service arranged by the employer, meal allowance, electricity charges, water service charges and income taxes liable to be paid by worker and cash paid in excess under a mistake, which are not included in the expression of wages under this Law;
	c) may deduct advance payment or reimburse or savings for the worker or any contribution under any law demanded by a worker from wages;
	d) may deduct from the wages of the worker under a decision of a Court or Arbitration Council or Arbitration Body.
Section 8	The employer shall not deduct from the wages of the worker except deduction from wages in accordance with provisions of Section 7 and Section 11.
Section 9	In deducting from wages under Section 7, all deductions made by the employer shall not exceed 50 percent of the wages of a worker except deduction from wages for the failure of a worker to perform his duty.
	The employer:
	a) shall obtain prior approval of the Department for what deduction can be made from wage and how much can be deducted before deducting anything stipulated as a fine under section 11;
Section 10	b) shall post the approval contained in sub-section (a) in conspicuous places at relevant factory and work;
	c) shall not exceed fine deducted for compensation than the value of damage or loss by action or omission of a worker;
	d) in deducting from wages under Section 11:
	i. shall not deduct from wages without giving right to defence of the worker;

	ii. shall not deduct more than 5 percent of the monthly wages of the worker;	
	e) shall not absolutely deduct as the fine from a worker under 16 years of age;	
	f) may carry out the date of payment of passing fine in accordance with the agreement between the employer and the worker;	
	g) shall deduct from wages for compensation due to loss of property within a limited period by an agreement of the relevant Township Conciliation Body;	
	h) shall enter the deducting cash from wages into the register and systematically maintain it;	
	i) shall submit a report of the deduction from wages to the Department;	
	j) shall use fines of deduction from wages under sub-section (b) of Section 11 for the worker benefit in coordination with legally registered Labour Organization in the factory.	
	The employer may designate as fine to compensate for the following acts and omissions of a worker and deduct from his wages:	
Section 11	a) any loss of property and cash expressly entrusted to the worker by the employer due to intentional negligence and carelessness or dishonest acts or omissions of the worker, which is caused directly by the carelessness and mistake of such worker;	
	b) violation of any terms or conditions stipulated as fines in the employment agreement.	
	The Factories Act, 1951 (Amended in 2016)	
The project proponent of	ommits to comply with the section 13, 15, 16, 19, 20, 21, 23, 40, 47.	
	(1) Every factory and the compound there of shall be kept clean and kept free from effluvia arising from any drain, privy or other nuisance, and in particular-	
Section 13	 (a) Accumulations of dirt and refuse shall be removed daily by sweeping or by any other effective method from the floors, benches of work-rooms and from stair-cases and passages, and disposed of in a suitable manner; 	
Section 13	(b) The floor of every work-room shall be cleaned at least once a week by washing, using disinfectant where necessary, or by some other effective method,	
	(c) When there is likelihood of water collecting on the floor in the course of any manufacturing process, effective means of drainage shall be provided and maintained	
	(1) Effective and suitable arrangement shall be made in every factory for securing and maintaining in every workroom adequate ventilation by the circulation of fresh air, and such equable temperatures as will secure workers therein reasonable conditions of comfort and health; - and in particular-	
Section 15	 (a) Walls and roofs shall be of suitable material and designed so that the temperature shall not be high but be as low as possible; 	
	(b) Where the nature of the work carried on in the factory involves, or is likely to involve, the production of excessively high temperatures, such adequate measures as are practicable shall be taken to protect the workers there from, by separating the process which produces such temperatures from the workroom, by insulating the hot parts or by other effective means.	
Section 16	(1) If in the factory, there is given off any dust, fume or other impurity of such a nature or in sub-substantial quantity as is likely to be injurious to workers employed in connection with the manufacturing process carried on therein,	

	,
	effective measures shall be taken to prevent its inhalation and accumulation in any workroom, and if any exhaust is necessary for this purpose it shall be provided to the nearest possible point of origin of the dust, fume of other impurity, and such point shall be far as possible.
	(2) In any factory no stationary internal combustion engine shall be operated unless the exhaust is conducted into the open air outside, and no other internal combustion engine shall be operated in any room unless effective measures have been taken to prevent such accumulation of fumes as is likely to be injurious to the workers employed therein.
	(1) In every part of a factory where workers are working or passing, there shall be provided and maintained sufficient and suitable lighting natural or artificial.
	(2) In every factory all glazed windows and apertures used for the lighting of a workroom shall be kept clean on both the inner and outer sides. All windows, in so far as the provisions of any rules made under sub-section (3) of section 15 are not infringed, shall also be kept free from obstruction.
Continu 40	(3) All possible measures shall be taken for the effective prevention of –
Section 19	(a) glare hurtful to the eyes, either directly from a source of light or by reflection from a smooth and polished surface; and
	(b) darkness to such an extent as to cause eyestrain or the risk of accident to any worker
	(4) The President may prescribe standards of sufficient and suitable lighting for factories or for any class of factories or parts there of or for any manufacturing process.
	(1) In every factory, effective arrangements shall be made to provide at points conveniently situated for all workers employed therein a sufficient supply of wholesome drinking water.
	(2) All such points shall be legibly marked "drinking water" and no such point shall be within twenty feet of any washing place, latrine or urinal.
Section 20	(3) In every factory wherein more than two hundred and fifty workers are ordinarily employed, provision shall be made for cooling drinking water during hot weather by effective means and for distribution thereof;
	(4) The President may prescribe methods in respect of all factories or any class of factories for the examination by Public Health Authorities of the supply and distribution of wholesome drinking water in factories and such other requirements.
	(1) In every factory-
	(a)Sufficient latrines and urinals of prescribed plan conveniently situated and access workers at all times shall be provided.
	(b) Latrines and urinals for female workers shall be provided separately from those of male workers;
Section 21	(c) Latrines and urinals shall be displayed an approved sign or notice clearly indicating the sex for which the latrine is provided;
	(d) Latrines and urinals shall be adequately lighted and ventilated sufficiently No latrine or urinal shall be connected with any workroom except through an intervening open space or ventilated passage;
	(e) Latrines and urinals shall be employed, maintained in a clean and sanitary condition at all times.
	(f)sufficient number of sweepers shall be employed, whose primary duty will be to clean latrines, urinals and washing places.

	(2) In every factory wherein more than two hundred and fifty workers are ordinarily employed
	(a) Latrines and urinals shall be of prescribed sanitary plan.
	(b) the floors and internal walls, up to a height of three feet, of the latrines and urinals and the sanitary blocks shall be laid in enameled tiles or shall be done with other materials of smooth and impervious surface;
	(c) without prejudice to the provisions of clauses (e) and (f) of sub-section (1), the floors, portions of the walls and blocks so laid or done with and the sanitary pans of latrines and urinals shall be thoroughly washed and cleaned every day with suitable detergents or disinfectants or with both.
Section 23	(1) In every factory the following shall be securely fenced by safe-guards of substantial construction which shall be constantly maintained and kept in position while the parts of the machinery they are fencing are in motion or in use; -
Section 23	(a)(iii) Every part of an electric generator, motors or rotary converters will not be fenced unless it is in such position or of such construction as to be as safe to every person employed or working in the factory as it would be if securely fenced.
	(1) Every factory shall be provided with such means in case of fire as may be prescribed and if it appears to the Inspector that any factory is not so provided, he may serve on the manager of the factory an order in writing specifying the arrangements which, in his opinion, should be carried out to bring the factory into conformity with the provisions of this section and any rules made there under and requiring them to be carried out before a date specified in the order.
	(2) In every factory the doors affording egress from any room shall not be locked or fastened so that cannot be easily and immediately opened from the inside while any person is within the room, and all such doors, unless they are of the sliding type, shall be constructed to open outwards.
Section 40	(3) In every factory, every window, door or other exit affording a means of escape in case of fire, other than the means of exit in ordinary use, shall be distinctively marked in a language understood by the majority of workers and in red letters or by some other effective and clearly understood sign.
	(4) In every factory there shall be installed apparatus to give warning in case of fire clearly audible to every person employed in the factory.
	(5) A passage – way giving access to such means of escape in case of fire shall be kept clear for the use of all workers in every room of the factory.
	(6) Effective measures shall be taken to ensure that in every factory
	(a) wherein more than twenty workers are ordinarily employed in any place of the lowest floor, or
	(b) wherein explosive or highly inflammable materials are stored or used.
Section 47	(1) In every factory the manager shall provide and maintain a first-aid box or a cupboard equipped with the prescribed contents in suitable place as may be directed by the Inspector so as to be readily accessible during all working hours, and where more than one maintained for every additional one hundred workers or part thereof.
500.011 71	(2) Nothing but the prescribed contents shall be kept in the first-aid boxes or cupboards referred to in sub-section (1), and all such first-aid boxes and cupboard shall be kept in the charge of a responsible who has been trained in first-aid treatment and who shall always be available during working hours.

	(3) In every factory wherein more than two hundred and fifty workers are employed there shall be provided and maintained a first-aid room or dispensary of the prescribed dimension, containing the prescribed equipment, and shall be kept under the supervision of such medical officer and nursing staff as may be prescribed.	
	The Private Industrial Enterprise Law, 1990	
	ommits to comply with the section 4 sub-sections (a) and (b), section 5, section 13, (d), (e), (f), (g) and (h), and 15 sub-sections (b), section 26,27,28,29.	
	(a) Any person desirous of conducting any private industrial enterprise;	
Section 4	(b) Any person conducting any private industrial enterprise on the day this Law is enacted; by using any type of power which is three horsepower and above or manpower of ten wage-earning workers and above shall register under this Law.	
Section 5	In applying for registration under Section 4, application shall be submitted to the respective State or Divisional Officer-in-charge in the prescribed manner.	
	The duties of the entrepreneur are as follows: -	
	(a) shall pay the registration fees, fees for the renewal of registration and other payable duties and taxes prescribed by the Directorate;	
	(b) shall abide by the terms and conditions of the registration certificate;	
	(c) shall conduct the enterprise by opening an account with the relevant bank in the name of its registered enterprise;	
Section 13	(d) shall maintain systematically and fully as prescribed by the Directorate, the statement of accounts relating to the registered private industrial enterprise and shall submit the same to the relevant Government department, organization or Supervisory Body when required to do so;	
	(e) shall submit to the inspection of the person or inspection body assigned by the Directorate or Supervisory Body;	
	(f) shall shift the place of enterprise, change the nature of enterprise, amalgamate enterprises and split up enterprises only with the approval of the Directorate;	
	(g) shall abide by the orders and directives issued from time to time by the Ministry and the Directorate;	
	(h) shall also abide by the existing laws.	
	The entrepreneur has the right to carry out the followings: -	
Section 15	(b)carrying out change of the name of enterprise, transfer of ownership, temporary suspension or permanent closing down of the enterprise in the manner prescribed and with the approval of the Directorate.	
Section 26	No one shall conduct a private industrial enterprise contained in section 4 without obtaining registration under this Law.	
	An entrepreneur: -	
Section 27	(a) in distributing and selling the goods he has produced shall not sell without a trade mark:	
Jection 21	(b) shall not violate any provision of section 13:	
	(c) shall not fail to comply with any order or decision passed by the Minister and the Director General:	
	Whoever violates the provision of section 26 shall, on conviction: -	
Section 28	(c) in the case of conducting a large scale private industrial enterprise be punished with fine which may extend from a minimum of kyats 20,000 to a maximum of kyats 50,000.	

Section 29	If a person who is convicted of an offence under Section 28 continues in the commission of such offence, he shall be punished with fine at the following rate for each day of the extent of the period of continuance thereof: -	
	(c) in the case of a large scale private industrial enterprise, at the rate of kyats 200.	
Prever	ntion of Hazard from Chemical and Related Substances Law, 2013	
The project proponent commits to comply with the section 13, section 15 sub-sections (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l), (m), (n), section 17,18,20,22, section 23 sub-sections (a), (b), section 24,25,26, section 27 sub-sections (a), (b), (c), section 28 sub-sections (a), (b), (c), section 29 sub-sections (a), (b), section 33,34,35,36, 45.		
Section 13	A person who wants to operate the chemical and related substances business shall apply to obtain a licence together with the management working plan relation to the environmental conservation to the Central Supervisory Board in accordance with the stipulations	
	A person who has obtained a licence, before starting the respective chemical and related substances business:	
	(a) shall be inspected for the safety and the power of resistance of the machinery and equipment by the respective Supervisory Board and Board of Inspection;	
	(b) shall be attended the person who serve in the work to the respective foreign trainings or the trainings and the expert trainings on prevention of hazard from the chemical and related substances opened by the government department and the government organizations.	
	(c) Section 16. A person who has obtained a licence:	
	(d)shall abide the licence regulations;	
Section 15	(e)shall perform to abide strictly the instructions for being safety in using the chemical and related substances by himself and also the persons who serve the work;	
	(f) shall keep the required safety equipment enough in the chemical and related substances businesses, furthermore shall grant the personal protection equipment and dresses free of charge to the working persons;	
	(g)shall make the course of training and study and instruction if necessary to the working persons for using the occupational safety equipment, the personal protection equipment and the dresses systematically in the chemical and related substances business;	
	(h)shall be inspected by the respective Supervisory Board and Boards of Inspection in respect of whether or not the hazard may impact on the Human Being and Animals' health and the environment;	
	(i) shall make medical check up the working persons who will work in the chemical and related substances business and shall permit to serve in that work after obtaining the recommendation that his health is suitable for that work. This medical check up records shall be kept systematically;	
	(j) shall send the copy of informative letter of the permission to the respective Department of Township Administration, if the hazardous chemical or related substances are permitted to store;	
	(k) shall acquire in advance the guidance and agreement of the respective Department of Fire Brigade, if the business that is worried to fire hazard is operated by using the fire hazard substances or the explosive substances;	
	(I) shall transport only the permitted amount of the chemical and related substances in accordance with the prescriptive stipulations, if they are transported in local;	

(m) shall take the permission from the Central Supervisory Board if the chemical and related substance is altered and transferred from one place to any other place which contained in the licence;
(n)shall abide and perform in accordance with the related environmental laws not to impact and damage to the environment in operating the chemical and related substances business.
A person who has obtained a licence, shall put the insurance in accordance with the prescriptive stipulations to be able to pay the compensation, if the impact and damage is occurred on the Human Being and Animals or the environment in respect of the chemical and related substances businesses.
A person who has obtained a licence, shall apply to extend the duration of licence, (30) days in advance before the date of expiry to the Central Supervisory Board in accordance with the stipulations.
A person who has obtained a licence shall apply the related chemical and related substances that will be used in his chemical and related substances business in accordance with the stipulations to the Central Supervisory Board.
person who has obtained the registration certificate shall abide the regulations consisted in the registration certificate furthermore shall also abide the order and instructions issued occasionally by the Central Supervisory Board.
A person who has obtained the registration certificate:
a) shall apply to register again, to the Central Supervisory Board if the chemical and related substances, which are not contained in the registered list, are used;
b) shall inform and submit the unused chemical and related substances list to the Central Supervisory Board, although which are contained in the registered list.
A person who has obtained the registration certificate shall apply to extend the duration of the registration certificate (30) days in advance before the date of expiry to the Central Supervisory Board in accordance with the stipulations.
The Central Supervisory Board may permit or refuse the application according to section 24 after scrutinizing in accordance with the stipulations.
The Central Supervisory Board shall prohibit the performance of the chemical and related substances business, if the chemical and related substances which have granted by the registration are known to be hazardous to Human Being, Animal and environment according to the information that is obtained again from local and abroad. The registration certificate may be withdrawn, if necessary.
A person who has obtained the licence to be complied the following matters to control and decrease the hazard of the chemical and related substances:
a) classifying the hazard level to protect in advance the hazard according to the properties of the chemical and related substances;
b) expressing the Material Safety Data Sheet and Pictogram;
 c) providing the safety equipment, the personal protection equipment to protect and decrease the accident and attending to the training to be used systematically;
d) performing in accordance with the stipulations in respect of transporting, possessing, storing, using, discharging the chemical and related substances;
e) not being imported or exported the chemical and related substances banned by the Central Supervisory Board and the machinery and equipment which are used them.
The licence shall be deemed to be annulled, when one of the following matter is appeared:

	(a) re-entrusting the licence;			
	(b) no applying to renew the licence until the licence duration is due;			
	(c) annulling the licence according to this Law.			
Section 29	A person who has obtained the licence:			
	(a) has an opportunity to reapply the licence in the case of licence annul due to any matter contained in sub-section (a) and (b) of the section 28 in accordance with the stipulations;			
	(b) has no opportunity to reapply the licence due to the matter of licence annulled according to sub-section (c) of the section 28.			
Section 33	No one shall produce, treat and formulate, use, possess, store, distribute, sell, transport, import or export the chemical or related substances prohibited by the Central Leading Board.			
Section 34	No one shall operate the chemical and related substances business without licence.			
Section 35	No one shall use the chemical or the related substances which are unregistered or annulled from the registered list or not met to the quality and norm in the chemical and related substance business.			
Section 36	No one shall restrict or disturb the inspecting of the Central Supervisory Board, the Supervisory Board and the Boards of Inspection in respect of the chemical and related substances business.			
Section 45	A person who has obtained licence acquire the recommendation of the Central Supervisory Board and shall apply to the respective Department and Organization if he wants to import or export the chemical and related substances.			
	The Underground Water Act (1930)			
The project proponent c	ommits to comply with the section 3 and 5.			
	No person shall sink a tube for the purpose of obtaining underground water except under and in accordance with the terms of a licence granted by the water officer.			
Section 3	Every person owning a tube which was in existence before the extension of this Act to the local area concerned shall apply to the water officer for a licence for the said tube, and such licence shall be granted free of charge.			
Section 5	Every person obtaining or attempting to obtain underground water shall supply the water officer with such information as the Governor may by rule prescribe.			
	Myanmar Fire Brigade Law (2015)			
The project proponent c	ommits to comply with the section 16,17,24,25,30,32.			
	The person-in-charge of the Township Fire Services Department shall:			
Section 16	a) issue, from time to time, the directives on fire safety to be abided by the residents in the city, ward or village – tract;			
	b) inspect or cause to inspect in accord with the stipulations whether the residents in the city, ward or village – tract abide by the directives issued under sub-section (a) and arrange to enable warning or taking action, as may be necessary, against those who do not abide by.			
Section 17	The relevant Government department or organization shall, for the purpose of fire safety, obtain the recommendation of the inspection on fire safety of the Department of Fire Services before granting permission for the following matters:			
	a) constructing three-storied and above buildings, condominium, market and complex buildings;			

Section 24	No person shall fail to abide by the directives of fire safety issued under section 16 by the head of the relevant Township Department of Fire Services.
Section 25	The owner or manager of the factory, workshop, bus terminal, airport, port, hotel, motel, lodgings, condominium, market, department, organization or business exposed to fire hazard shall, in accord with the directive of the Department of Fire Services:
	a) not fail to form the Reserve Fire Brigade;
	b) not fail to provide fire safety equipment.
Section 30	No person shall remove, clear or transfer the evidence from the specified area of the place razed by fire before the place of starting fire on and cause of fire are inspected confirmed by whom it concerns.
Section 32	No person shall form or dissolve the Reserve Fire Brigade without the direction or permission of the Department of Fire Services.
Yang	gon City Development Committee Law (2018) (Amended in 2021)
The project proponent of	ommits to comply with the section 317,318,322.
Section (317)	The proponent shall not block the natural river channel, change the course, and disrupt the water channel, filling with soil within the city boundaries without the consent of the Committee
Section (318)	The project proponent shall not construct buildings, factories, and industries without sewage, toilet, septic tanks, and wastewater treatment system
Section (322)	The project proponent is not allowed to make activities that will produce noise pollution, water pollution, air pollution, and soil pollution to impact the environment within the city's boundaries
	The Electricity Law (2014)
The project proponent of	ommits to comply with the section 44, 45, 46, 47, and 48.
Section 44	No person shall operate the electrical business without permit.
Section 45	No permit holder shall operate any other electrical business except the business contained in the permit.
Section 46	No person shall operate the electrical installation and repair without obtaining the electrical professional certificate.
Section 47	No person shall operate the generation, transmission, connection of electric power without obtaining the electrical safety certificate.
Section 48	No person shall operate the importing, manufacturing in the country, exporting, distributing and selling of the electrical equipment which are not consistent with the prescribed norm and standard.
	The Social Security Rules (2014)
The project proponent of	ommits to comply with the rule 42, 43, 54,57,59,61,64,65,66,174,175,176.
Rule 42	(c) The employer shall, when he registers his establishment or appoints a new worker, submit to the relevant social security office together with medical certificate of good health, after causing his worker to receive necessary medical examination within ten days after effecting registration or appointing new worker as such, and after fulfilling the full data about his worker completely and truly in stipulated worker registration (Form-2). In fulfilling in the worker registration (Form-2), it shall cause the worker to sign that the data mentioned are true, if he has involved in and registered with the social security in the past, it shall cause to mention the card number of insurance scrutiny obtained at that time.

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Rule 43	The employer who has registered according to law shall, when the transfer, resignation, retirement and death of workers of his establishment occurs, inform to the relevant social security office within ten days.
Rule 54	(a)The employer shall, In order to give medical care to the insured persons, to give social security benefits in accord with the Law to the insured person and the survived dependents after his death, to defray the costs of other matters in accord with the Law and to defray the costs of administration, pay the contributions of the employers and workers monthly to the relevant township social security offices or to the bank accounts opened by the township social security offices;
	(b) The voluntary insured person shall pay the contributions which shall be paid to relevant social security fund monthly as contained in sub-rule(a).
Rule 57	The employer shall, in order to give medical care to the insured persons, to give employment injury benefit in accord with the Law to the insured person and the survived dependents after his death, to defray the costs of other matters in accord with the Law and to defray the costs of administration, make monthly contribution to the Employment Injury Fund at the relevant township social security offices, or to the bank accounts opened by the township social security offices.
Rule 59	(a) The employer shall pay the rates of contribution stipulated to pay under sub-rule (a) of rule 58 commencing from the date of the coming into force of the Law.
	The employer:
Rule 61	(a) shall not take into calculation of the cash benefits such as sickness benefit, maternity benefit, temporary disability benefit, permanent disability benefit, unemployment benefit as the wages and income so as to determine the contribution;
	(b)shall not take into calculation of the money paid by the employer to the insured person under any existing law or employment agreement for the period contained in sub-rule(a) as the wages and income so as to determine the contribution;
	(c)shall not take into calculation of the service reward monies, annual reward monies, aids paid for religious and social festivals and lay-off
	The employer:
Rule 64	(a) shall pay the contribution for the insured person if he works at least for a day in the calendar month for wages;
	(b)shall pay the contribution which shall be paid by the insured person according to the rates stipulated in rule 55 and based upon his wages or income per month after deducting the contribution which shall be paid, from his wages and income, together with the contributions which shall be paid by him under rules 55 and 58, to the accounts of the Township Social Security Office or the bank account opened by the Township Security Office monthly not later than 15 days after the end of the relevant month;
	(c)shall not deduct more than the contribution, which shall be paid by the insured person, stipulated to pay in rule 55 to the Social Security Fund;
	(d)shall also submit necessary accounts and lists in contributing to the Social Security Office's accounts.
	(a)The employer:
Rule 65	(i)shall, if he fails to pay the contribution contained in rules 55 and 58, within the stipulated period contained in sub-rule(b) of rule 64, pay 10 per cent of the contribution for a month for every day of default as addition to the contribution. Moreover, if he continues to default to pay contribution, the said defaulting fee shall be paid for every defaulting day as addition n;

	(ii)shall, if he pays the reduced contribution by expressing the wages of the worker as reduced, or if he pays contribution by concealing the number of workers, or if he fails to pay the contribution deducted from the wages of the worker, pay at the rate of 10 per cent per month over the reduced contribution as the defaulting fee in addition to the reduced or deducted contribution as provided in clause (i), to the accounts of the relevant Township Social Security Office.	
	The employer:	
Rule 66	(a) shall, in paying contributions under rules 55 and 58, send to the relevant Township Social Security Office by entering into and fulfilling completely for each worker in the stipulated contribution list (Form-13) and after signing that it is true and he takes responsibility for it;	
	(b) shall affix the contribution list contained in sub-rule(a) at the visible place of his establishment.	
	(a)The insured person who obtains employment injury shall inform to the employer or responsible person of the establishment by himself or through another person;	
	(b)The employer:	
Rule 174	(i) shall maintain a record book of employment injury in (Form-36) stipulated by the Social Security Board;	
	(ii) shall enter all particulars in the employment injury record book immediately if an employment injury happens to his workers. The responsible person shall endorse the truth of the particulars so entered.	
	(iii) shall keep the record book of employment injury for five years since its first entry.	
Rule 175	(a)The employer shall inform to the relevant Township Social Security Office immediately if his insured worker occurs serious employment injury or dies for such injury. Moreover, it shall be informed again to the relevant Township Social Security Office within 24 hours in the stipulated (Form-37) in triplicate.	
Rule 176	(a) The employer shall carry out holding workshops and awareness works for the safety of occupational hazards of the workers at his establishments, fencing the dangerous parts of the machinery safely, causing to use protection materials and uniforms which shall be used for the workers according to the category of the production works, arranging for sufficient vehicles so as not to take place more than the stipulated number at the ferries and causing to use only the good conditioned vehicles etc. and also comply with the provisions relating to the safety of occupational hazard issued by the State.	
	(b) The employer shall, if the employment injuries and occupational diseases occur due to his failure to make arrangements and protections for the safety of occupational hazards contained in above clause (a), incur the cash and other benefits as follows in lump sum, after making calculation, for which the insured persons have the right to enjoy as follows:	
	(i) 50 per cent of the benefits enjoyable by the insured person if it occurs before the inspections and directions are made in accord with Law;	
	(ii) 100 per cent of the benefits enjoyable by the insured person if it occurs due to failure to comply with the directives though they were issued on the matters to be complied with in accord with law according to the finding of the inspection.	
The Social Security Law (2012) (Amendment 2014)		

The Social Security Law (2012) (Amendment 2014)

The project proponent commits to comply with the section 48 sub-sections (a) and (b), section 49 sub-sections (a), section 50, section 51 sub-sections (a) and (b), section 53 sub-sections (a) and (b), section 54 sub-

	sub-sections (a) and (b), section 66 sub-sections (a) and (b), section 67 sub-section	
(a), section 69 sub-section (b), section 70 sub-sections (a), (b) and (c), section 74, section 75 sub-sections (a), (b) and (c), section 77 sub-sections (a), (b), (c) and (d).		
Section 48	(a) The employer shall affect insurance by registering at the relevant township social security office in order to get employment injury benefit by the workers applied to provisions of compulsory registration for employment injury benefit insurance system contained in section 45 and by paying contribution to employment injury benefit fund in accord with the stipulations.	
	(b) The employers may affect insurance by registering voluntarily for the workers who are not applied to provisions of compulsory registration for employment injury benefit insurance system and by paying stipulated contribution to employment injury benefit insurance fund.	
Section 49	(a) The employers and insured of establishments where the employer had registered compulsorily under sub-section (a) of section 48 or where the employer had registered voluntarily under sub-section (b) of section 48 who have paid contribution to employment injury benefit fund shall not apply to the provisions contained in the Workmen's Compensation Act in respect of the employment injury benefit.	
Section 50	In respect of employer's contribution to be paid to employment injury benefit fund for the worker to enjoy the employment injury benefit under section 47, the Ministry of Labour, Immigration and Population shall determine rates of contribution depending on the worker's wage and degree of possibility of employment hazard, by notification, in coordination with the Social Security Board with the approval of the Union Government.	
	The employer:	
Section 51	 a) shall pay contribution monthly to Employment Injury Benefit Fund at the rates stipulated under section 50. Moreover, he shall also incur the expenses for paying as such; 	
	b) shall pay defaulting fees stipulated under section 88, in addition to the contribution if fails to contribute after effecting insurance for employment injury benefit.	
Section 53	(a) The employers and workers shall co-ordinate with Social Security Board or insurance agency in respect of keeping plans for safety and health in order to prevent employment injury, contracting disease and decease owing to occupation and in addition to safety and educational work of the workers and accident at the establishment.	
	(b) The employer shall incur the costs of medical treatment for employment injury occurring from criminal action or omission of the employer, or occurring from employer's failure to keep occupational safety plans and protections, and other benefits entitled to enjoy under this Law in accord with the stipulations without fail.	
Section 54	(a) The employer shall report immediately to the relevant township social security office if a serious occupational accident has been occurred to his insured worker. There shall not be any delay without sufficient cause to report as such.	
Section 65	The employer:	
	a) has the right of reimbursement out of benefits granted under this Law, for expenses incurred according to social obligation for an insured in cases of health care, medical treatment and other matters entitled to benefit;	
	b) if the total amount of wages and cash benefit paid to the insured during the period of enjoying any of sickness or maternity, or employment injury benefits under this Law exceeds the normal wages of that insured, may deduct the amount in excess out of benefits granted under this Law. Such payment of excess amount shall be informed to the relevant township social security office.	

	(a) The employer, subject to health care and medical treatment in accord with sections 67 and 68:
Section 66	i. shall not dismiss or terminate the insured from work or demote to lower level during the period which an insured is enjoying any of the sickness or maternity or temporary disability benefits owing to employment injury under this Law;
Section 66	ii. shall not reduce or deduct wages and fees of his worker due to liability for contribution payable under this Law.
	(b) The insured, as regards his injury due to employer's violation of prohibitions under subsection (a), may submit the matter to the relevant township social security office for settlement in accord with the stipulations.
Section 67	(a) The employer may, in order to provide medical treatment to his insured workers, after obtaining permission and terms and conditions of the Social Security Board, establish private hospital and clinic in accord with the existing law and provide health care and medical treatment in accord with the stipulations with doctors and nurses appointed by him.
Section 69	(b) The employer who defaults to pay contribution shall pay contribution liable under section 17 and 50 and also defaulting fees stipulated under section 88, and incur the benefits and cost payable to the insured and all expenses.
	(a) When the insured voluntarily resigns from work or transfers to any other establishment not applied by this Law before the completion of age stipulated for superannuation benefit under section 34:
	(iv) the employer has the right to draw 25 per cent of contribution paid by him for the insured to the fund for invalidity benefit, superannuation benefit, and survivors' benefit for 36 months and above together with interest from that fund in accord with the stipulations.
	(b) In case of permanent total disability or decease of an insured owing to employment injury:
Section 70	(ii) the employer has the right to draw 25 per cent of contribution paid for 36 months and above to the fund contained in clause (i) for an insured together with interest in accord with the stipulations.
	(c) In case of voluntary resignation or transfer to any other establishment which is not applied by this Law of taking superannuation or becoming invalidity or permanent total disability owing to employment injury, or decease resulting from any cause of an insured:
	(ii) the employer has the right to draw contribution paid for that insured to the fund for unemployment benefit for 36 months and above together with interest in accord with the stipulations.
Section 74	The employer of each establishment applied by this Law shall keep record of contributions paid to the Social Security Fund and Employment Injury Benefit Fund for himself and his insured workers, keep the record of benefits received for each insured and open account for each insured. Those records and accounts shall be submitted to the relevant township social security office in accord with the stipulations.
	The employers of establishments applied by this Law:
Section 75	a) shall prepare and keep the following records and lists correctly and submit to the relevant township social security office in accord with the stipulations:
Section 75	i. records and lists of workers' daily attendance;
	ii. records on appointment of new workers, employing worker by changing of work, termination, dismissal and resignation;

	iii. records on promotion and paying remuneration;
	iv. records and lists of employer, manager, and administrator and records on change of them;
	b) shall inform the relevant township social security office if the following matters arise:
	i. changes in number of workers and address of establishment;
	ii. change of employer, change of business, suspension of work, and closedown of work;
	iii. employment injury, decease and contracting diseases.
	c) shall submit records of work and lists if requested by inspectorate or official assigned by the Social Security Head Office and various levels of Regional Social Security Office under this Law.
	Any employer of establishment concerning with the social security and employment injury benefit:
	a) shall not prepare incorrectly, modify or delete records contained in section 74 and sub-section (a) of section 75;
Section 77	b) shall not report incorrectly to the relevant township social security office relating to the number of workers and contribution;
Section 11	c) shall not refuse when the inspectorate or the official requests to produce those records, reports and other necessary documents under this Law or assigned by the Social Security Board;
	d) shall not fail when he is summoned by the inspectorate or the official under this Law or assigned by the Social Security Board or various levels of Regional Social Security Office.
The I	abor Dispute Settlement Law (2012, amended in 2014 and 2019)
	ommits to comply with the section 23, section 28 sub-section (a), (b), section 34,35,36, (a), (b) and (c), section 38 sub-section (a), section 39,40,41,42,43,44,45 (a), 51.
Section 23	An employer or worker may file in person or through a legally authorized representative, an application to the relevant department or competent court with regard to a dispute concerning a right.
	The parties in dispute may do the following if they do not agree with the decision of the arbitration body, except a decision with regard to an essential services business –
Section 28	a) filing an application to the arbitration council by a party within 7 days from the receipt of the decision of the arbitration body;
	b) carrying out a lock-out or strike in accordance with the relevant law.
Section 34	If both parties agree with or no party files an application to the arbitration council within the specified period concerning a decision of the arbitration body, the decision shall be valid from the date of it having been passed.
Section 35	The decision of the Tribunal shall be deemed as the decision of the Arbitration Council. Such decision shall come into force on the day of its decision.
Section 36	The relevant parties may agree to amend the decision of the Arbitration Body or Arbitration Council after ninety days from the day of coming into force. In such circumstances, the new agreement shall supersede the relevant part of the Arbitration decision.
Section 37	The following persons shall be complied with the decision which had been come into force:

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	a) all of the persons relevant to the dispute;		
	b) legal successors of the employer involved in the dispute;		
	c) all of the workers working in the trade at the time of the dispute or thereafter.		
Section 38	No employer or worker shall fail to be present in person or through a representative without proper reason on the date and time set by the conciliation body for the negotiation of a dispute.		
	(a) No employer or worker shall fail to form a coordination committee according to the provisions of section 3. Furthermore, there shall be no failure to do so within 60 days after being sentenced by the relevant court for the failure.		
Section 39	No employer shall, with the intention of harming the interest of the workers, suddenly amend the employment terms specified before the dispute or carry out a lock-out without proper reason during the process of the dispute being heard by the arbitration body or tribunal.		
Section 40	No person shall lock-out or strike without accepting negotiation, conciliation and arbitration by Arbitration Body in accord with this law in respect of a dispute.		
Section 41	No person shall lock-out or strike to amend such decision or agreement to amend within the effective period of any decision or collective agreement of the Arbitration Body or the Arbitration Council.		
Section 42	No person shall prohibit the right to work independently of the workers who are not desirous to participate in the strike nor impede the right of a worker to strike.		
Section 43	No employer or worker shall fail to comply with or enforce an item in the agreement concluded in front of the conciliation body with regard to a dispute.		
Section 44	No person, after having informed in advance by the Arbitration Body or Tribunal for settling the dispute, shall fail to arrange to enable to examine the trade under dispute or to produce the documents which is considered by the Arbitration Body or Tribunal that it concerns with the dispute or to appear as a witness when he is so summoned.		
Section 45	No person, if he is sent notice for examination before the Arbitration Body or Tribunal, shall fail without sufficient cause to appear in person or to send legal representative within the stipulated period.		
	(a) No one shall violate any provision of the rules, notifications, orders and directives issued according to this law.		
Section 51	An employer having done or omitted, without proper reason, an act with the intention of harming the interest of a worker during the settlement of a dispute shall fully pay the amount specified by the arbitration body, arbitration council or tribunal. An officer of the Department assigned by the Ministry shall collect the amount like arrears of land tax.		
The Wor	The Workmen's Compensation Act (1923, amended in 1955, 1957 and 2005)		
The project proponent of	ommits to comply with the section 3, 4,8.		
Section 3	(1) If personal injury is caused to a workman by accident arising out of and in the course of his employment, his employer shall be liable to pay compensation with the provisions of this Chapter:		
	Provided that the employer shall not be so liable in respect of any injury, not resulting in death, caused by an accident which is directly attributable to –		
	I. the workman having been at the time thereof under the influence of drink or drugs, or		
	II. the wilful disobedience of the workman to an order expressly given, or to a rule expressly framed, for the purpose of securing the safety of workmen, or		

III. the wilful removal or disregard by the workman of any safety guard or other device which he knew to have been provided for the purpose of securing the safety of workmen.
(2) * * * * If a workman, whilst in the service of an employer in whose service he has

- (2) * * * * If a workman, whilst in the service of an employer in whose service he has been employed for a continuous period of not less than six months in any employment specified in [List A of] Schedule III, contracts any disease specified therein as an occupational disease peculiar to that employment, the contracting of the disease shall be deemed to be an injury by accident within the meaning of this section and, unless the employer proves the contrary, the accident shall be deemed to have arisen out of and in the course of the employment.
- Explanation For the purposes of this sub-section a period of service shall be deemed to be continuous which has not included a period of service under any other employer.
- (3) If a workman contracts any disease specified in List B of Schedule III, and it is certified by a qualified medical practitioner that the disease is directly due to the nature of any employment in which the workman was employed at any time within the twelve months previous to the date of disablement, the contracting of the disease shall be deemed to be an injury by accident within the meaning of this section, and unless the employer proves the contrary the accident shall be deemed to have arisen out of and in the course of the employment aforesaid:
- Provided that the compensation shall be recoverable from the employ yer who last employed the workman during the said twelve months in the employment to the nature of which the disease was due.
- (1) Subject to the provisions of this Act, the amount of compensation shall be as follows, namely:
- A. Where death results from the injury -
- I. in the case of an adult, a sum equal to 36 times the workman's monthly wages calculated in accordance with this Act:
- Provided that the minimum and the maximum payment in such a case shall be the amount of compensation prescribed by notification made by the Ministry of Labour with the approval of the Government respectively, and
- II. in the case of a minor- the amount of compensation prescribed by notification made by the Ministry of Labour, Immigration and Population with the approval of the Government;
- B. Where permanent total disablement results from the injury -

I. in the case of an adult, a sum equal to 36 times 140 per cent of the workman's monthly wages calculated in accordance with this Act:

- Provided that the minimum and the maximum payment in such a case shall be the amount of compensation prescribed by notification made by the Ministry of Labour, Immigration and Population with the approval of the Government respectively, and
- II. in the case of a minor- the amount of compensation prescribed by notification made by the Ministry of Labour, Immigration and Population with the approval of the Government;
- C. Where permanent partial disablement results from the injury –
- I. in the case of an injury specified in Schedule I, such percentage of the compensation which would have been payable in the case of permanent total disablement as is specified therein as being the percentage of the loss of earning capacity caused by that injury, and

Section 4

- II. in the case of an injury not specified in Schedule I, such percentage of the compensation payable in the case of permanent total disablement as is proportionate to the loss of earning capacity permanently caused by the injury;
- Explanation Where more injuries than one are caused by the same accident, the amount of compensation payable under this head shall be aggregated but not so in any case as to exceed the amount which would have been payable if permanent total disablement had resulted from the injuries;
- D. Where temporary disablement, whether total or partial, results from the injury, a half monthly payment payable on the sixteenth day * * * * from the date of the disablement, and thereafter half-monthly during the disablement or during a period of five years, whichever period is shorter —
- I. in the case of an adult-of a sum equivalent to one-third of the workman's monthly wages calculated in accordance with this Act, and
- II. in the case of a minor-of one-half of his monthly wages:

Provided that -

- a) there shall be deducted from any lump sum or half-monthly payments to which the workman is entitled the amount of any payment or allowance which the workman has received from the employer by way of compensation during the period of disablement prior to the receipt of such lump sum or of the first half-monthly payment, as the case may be; and
- b) no half-monthly payment shall in any case exceed the amount, if any, by which half the amount of the monthly wages of the workman before the accident exceeds half the amount of such wages which he is earning after the accident; and
- c) no compensation shall be payable in respect of the first four days of the disablement if the period of the workman's disablement is ten days or less.
- E. In cases where the injury results in incapacity of such a nature that the injured workman must have the constant help of another person, additional compensation equivalent to twenty-five percent of the compensation payable in respect of the injury shall be paid to the injured workman.
- (2) On the ceasing of the disablement before the date on which any half-monthly payment falls due, there shall be payable in respect of that half-month a sum proportionate to the duration of the disablement in that half-month.
- (3) Where the injury sustained is of such a nature as would entitle the injured workman to the supply and renewal by the employer of such artificial limbs and surgical appliances as are recognised to be necessary, the injured workman shall be paid a lump sum compensation representing the probable cost of the supply and renewal of such appliances. This sum, which shall not exceed ten percent of the compensation payable in respect of the injury, shall be decided at the time when the amount of compensation payable in respect of the injury is settled or revised.

Section 8

(1) No payment of compensation in respect of a workman whose injury has resulted in death, and no payment of a lump sum as compensation to a woman or a person under a legal disability, shall be made otherwise than by deposit with the Commissioner, and no such payment made directly by an employer shall be deemed to be a payment of compensation:

Provided that, in the case of a deceased workman, an employer may make to any dependent advances on account of compensation not exceeding an aggregate of the amount of compensation prescribed by notification made by the Ministry of Labour, Immigration and Population with the approval of the Government, and so much of such aggregate as does not exceed the compensation payable to that

- dependent shall be deducted by the Commissioner from such compensation and repaid to the employer.
- (2) Any other sum amounting to not less than the amount of money prescribed by notification made by the Ministry of Labour, Immigration and Population with the approval of the Government which is payable as compensation may be deposited with the Commissioner on behalf of the person entitled thereto.
- (3) The receipt of the Commissioner shall be a sufficient discharge in respect of any compensation deposited with him.
- (4) On the deposit of any money under sub-section (1) as compensation in respect of a deceased workman the Commissioner shall deduct therefrom the actual cost of the workman's funeral expenses, to an amount not exceeding the amount of money prescribed by notification made by the Ministry of Labour, Immigration and Population with the approval of the Government, and pay the same to person by whom such expenses were incurred, and shall, if he thinks necessary, cause notice to be published or to be served on each dependent in such manner as he thinks fit, calling upon the dependents to appear before him on such date as he may fix for determining the distribution of the compensation. If the Commissioner is satisfied after any inquiry which he may deem necessary, that no dependent exists, he shall repay the balance of the money to the employer by whom it was paid. The Commissioner shall, on application by the employer, furnish a statement showing in detail all disbursements made.
- (5) Compensation deposited in respect of a deceased workman shall, subject to any deduction made under sub-section (4), be apportioned among the dependents of the deceased workman or any of them in such proportion as the Commissioner thinks fit, or may, in the discretion of the Commissioner, be allotted to any one dependent.
- (6) Where any compensation deposited with the Commissioner is payable to any person, the Commissioner shall, if the person to whom compensation is payable is not a woman or a person under a legal disability, and may in other cases, pay the money to the person entitled thereto.
- (7) Where any lump sum deposited with the Commissioner is payable to a woman or a person under a legal disability, such sum may be invested, applied or otherwise dealt with for the benefit of the woman, or of such person during his disability, in such manner as the Commissioner may direct; and where a half-monthly payment is payable to any person under a legal disability, the Commissioner may, of his own motion or on an application made to him in this behalf, order that the payment be made during the disability to any dependent of the workman or to any other person whom the Commissioner thinks best fitted to provide for the welfare of the workman.
- (8) Where, on application made to him in this behalf or otherwise, the Commissioner is satisfied that, on account of neglect of children on the part of a parent or on account of the variation of the circumstances of any dependent or for any other sufficient cause, an order of the Commissioner as to the distribution of any sum paid as compensation, or as to the manner in which any sum payable to any such dependent is to be invested, applied or otherwise dealt with, ought to be varied, the Commissioner may make such orders for the variation of the former order as he thinks just in the circumstances of the case:
- Provided that no such order prejudicial to any person shall be made unless such person has been given an opportunity of showing cause why the order should not be made, or shall be made in any case in which it would involve the repayment by a dependent of any sum already paid to him.
- (9) Where the Commissioner varies any order under sub-section (8) by reason of the fact that payment of compensation to any person has been obtained by fraud,

	impersonation or other improper means, any amount so paid to or on behalf of such person may be recovered in the manner hereinafter provided in section 31.		
Т	he Leave and Holidays Rules (1951, partially revised in 2018)		
The project proponent of	The project proponent commits to comply with the rule 15,20,21,29, 33, 41, 50, 51,52.		
Rule 15	As an employer, one must document the wages for the weekly day off and send a monthly report with Form (4) to the Department.		
Rule 20	Even if the employer instructs a worker to work only part-time on a gazette holiday, the employer must still pay double of the respective basic wages or basic salary, according to the law.		
Rule 21	When the employer instructs a piece-work worker to work full working hours on a gazette holiday, the employer has to pay double of the regular respective wages, calculated based on the number of products or counted based on the extent of the worker's performance.		
	The employer –		
	a) must provide the worker casual leave, medical leave and maternity leave with respective wages or salary. Moreover, must allow the worker earned leave with respective average wages or average salary. If the employer normally pays the cost of living then the cost of living must also be included;		
	b) must provide the worker with earned leave starting from the day of entitlement within 12 months, with respective average wages or with average salary, and also must advance the entitled wage prior to the worker taking leave;		
	c) must announce the number of entitled earned leave calculations within three months starting from the last day of the 12-month period or entitled earned leave. In this way, workers can take leave by turns (alternatively). Moreover, to fix the eligibility period within which workers can take earned leave;		
	d) if the worker resigns or is terminated or in case of death, has to pay the respective wages/salary within two business/working days starting from the date of incidence;		
Rule 50	e) has to pay the eligible wage/salary for earned leave to his/her official representative (if the worker is deceased);		
	f) has to pay for the respective earned leave period if there is a temporary or permanent shutdown and to allow eligible earned leave if the nature of work is less than twelve months;		
	g) is not allowed to suspend, to reduce the salary, to relocate or to terminate a worker due to the worker taking maternity leave or medical leave;		
	h) has to fill up Form (1), (2), (3), (4), (5) and (6) according to the law. These forms shall be easily accessible from the Inspector. The employer must maintain these documents for up to twelve months' period;		
	i) has to record the leave taken in Form (7) and submit to the Inspector not later than every seventh day of each month;		
	j) wants the worker to work on a gazette holiday, the employer must receive consent from the worker. The employer must submit Form (8) to the Inspector for approval.		
Rule 29	Workers can take a maximum of three days' consecutive casual leave. If the worker needs to take additional casual leave, and has a concrete reason, the worker must present to the employer or manager or to an authorized person the concrete reason. If so, the employer can allow casual leave of more than three days.		
Rule 33	The employer or manager or authorized person must maintain the casual leave record. And, this also must be reported to the Department in the designated format.		

Rule 41	The employer has to pay wages for entitled earned leave to the terminated worker for the earned leave period according to the employment contract or workplace rules established based upon the nature of work.	
Rule 51	If the employer rents the business to another person or organization, that other person or organization (the one renting the premises) is responsible for the legal entitlements included within these Rules.	
Rule 52	One must follow the provisions within the Rules when settling disputes on matters related to leave and holidays.	
	The Labor Organization Law (2011)	
The project proponent of	ommits to comply with the section 29,30,31,37,43,44,49.	
Section 29	The employer shall recognize the labour organizations of his trade as the organizations representing the workers.	
Section 30	The employer shall allow the worker who is assigned any duty on the recommendation of the relevant executive committee to perform such duty not exceeding two days per month unless they have agreed otherwise. Such period shall be deemed as if he is performing the original duty of his work.	
Section 31	The employer shall assist as much as possible if the labour organizations request for help for the interest of his workers. However, the employer shall not exercise any acts designed to promote the establishment or functioning of labour organizations under his domination or control by financial or other means.	
Section 37	The employer desirous of locking-out the public utility service or service which is not included in the public utility service shall inform the starting day and period of lock-out of the work in accord with the stipulation, at least 14 days in advance before the lock-out to the relevant township labour organization and relevant conciliation body and lock-out the work only after receiving the permission of the relevant conciliation body.	
Section 43	No employer shall, without permission of the relevant conciliation body, lock-out a public utility service or service which is not included in public utility service.	
	No employer shall:	
	a) lock-out a work due to such dispute during the pendency of a trade dispute settlement;	
Section 44	b) carry out an illegal lock-out which is involved with any provision contained in subsections (a) and (c) of section 41;	
	c) dismiss a worker who opposes an illegal lock-out which is involved with any provision contained in sub-sections (a) and (c) of section 41;	
	d) dismiss a worker for his membership in a labour organization for the exercise of organizational activities or participating in a strike in accord with this Law.	
Section 49	No person shall coerce, threaten, use undue influence or seduce by illegal means any worker to participate or not to participate in a labour organization.	
The Minimum Wages Law (2013)		
The project proponent commits to comply with the section 12 sub-sections (a), (b), (c), (d), (e), section 13 sub-sections (a), (b), (c), (d), (e), section 22 sub-sections (a), (b), (c), (d), (e), section 22 sub-sections (a), (b).		
	The employer:	
Section 12	a) shall not pay wage to the worker less than the minimum wage stipulated under this Law;	
	b) may pay more than the minimum wage stipulated under this Law;	

	c) shall not have the right to deduct any other wage except the wage for which it has the right to deduct as stipulated in the notification issued under this Law;
	d) shall pay the minimum wage to the workers working in the commerce, production business and service in cash. Moreover, if the specific benefits, interests or opportunities are to be paid, it may be paid in cash in accord with the stipulations or jointly in some cash and in some produce prescribed in local price according to the desire of the worker;
	e) may pay jointly in some cash and some produce prescribed in local price according to the local custom or desire of the majority of workers or collective agreement in paying the minimum wage to the workers and working in the agriculture and livestock breeding business. Such payment shall be for any personal use and benefit of the worker and his family and the value shall also be considerable and fair.
	The employer:
	a) shall inform the workers the rates of minimum wage relating to the business among the rates of minimum wage stipulated under this Law and advertise it at the workplace to enable to be seen by the relevant workers;
	b) shall record the lists, schedules, documents and wages of the workers correctly in accord with the stipulation;
	c) shall report the lists, schedules and documents recorded under sub-section (b) to the relevant department in accord with the stipulations;
Section 13	d) shall accept the inspection when summoned by the inspection. Moreover, he shall produce the said lists and documents when so required;
	e) shall allow the entry and inspection of the inspector workplaces of commerce, production and service, agriculture and livestock breeding and give necessary assistances;
	f) shall give them holiday for medical treatment in accord with the stipulations if the workers cannot work due to sickness;
	g) shall give holiday without deducting from the minimum wage, in accord with the stipulations if the funeral matter of the family of worker or his parent occurs.
Section 16	If an employer is convicted by a court for his failure to pay the minimum wages and other benefits stipulated under this Law or for the payment to worker less than such minimum wage and ordered to pay defaulted wages and other benefits to the relevant worker as fine, and if such worker does not obtain fully the wages and other benefits which is entitled under section 14, it shall not affect the right to institute civil proceeding for such wages and benefits.
	Any employer:
	a) shall not fail to pay the workers the minimum wage stipulated under this Law;
	b) shall not pay to the workers less than the minimum wages and other benefits which is entitled to enjoy by the worker under section 14;
	c) in respect of the accounts, schedules, documents and lists of wage of the workers:
Section 22	i. shall not make false entry, deceitful recording or false and deceitful reporting;
	ii. shall not fail to report to the relevant department in accord with the stipulations;
	iii. shall not fail to submit when required by the inspection officer.
	d) shall not fail to go and accept without sufficient case when summoned by the inspection officer;
	e) shall not disturb or interfere with the inspection officer who comes and inspects on duty.

	Any employer:
Section 24	a) shall not violate term and condition contained in the minimum wage notification;
	b) shall not fail to inform the workers in respect of the rates of minimum wage concerning to his workers among the rates of minimum wage stipulated under this Law and advertise at the place where the workers are enable to see it in the work department and workplace.
	The Minium Wages Rules (2013)
The project proponent of	commits to comply with the rule 43 (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l).
	The employer:
	a) shall increase the remuneration depending on the skill, to promote the productivity and the employment skill of the employees;
	b) shall perform in accord with the factory act 1951, leave and holiday act 1951 under section 13 (b) at the law for the list, schedule and document, remunerations;
	c) when the employees are not able to work due to ill health, injury at work site:
	i. if they are under premium paid insurance to the health and social care fund, the insurance under health and social security care 2012, or
	ii. if they are not entitled to enjoy social security law 2012, they must be arranged to enjoy the leave and holiday act 1951.
	d) in the event of family or parents' funeral affairs, his entitled remuneration should not be deducted and shall be arranged to enjoy according to leave and holiday act 1951;
	e) before fixing of the minimum wage by the National Committee under this rule, if his remuneration is less than the prescribed amount, he should be paid up to the full amount;
	f) part time, hourly job employees shall be paid the prescribed minimum wage for the working hours;
Rule 43	g) for the salary employees one-day day – off shall be allowed in a week. If he has to work on the off day, overtime wage shall be paid in accord with the existing law;
	h) if the employee has to work less than the prescribed working hour and if it is not due to his will or he has to stop the work due to the shortage of work from the employer, he shall be entitled to enjoy the remuneration as if he has to work full time;
	i) the prescribed minimum wage shall be paid without discrimination of the male or female;
	j) although he has the obligation to pay the minimum wage in cash, separate entitlement, benefit in accord with the stipulation shall be given due to the employee's will, majority of the employees' will, collective consent, in cash or partial in cash or prevailing regional rate or regional tradition;
	k) overtime work shall be allowed according to the law after negotiation with the employees;
	I) the employee who is not capable to fulfill the standard norm or production norm prescribed in accord with the factory, workshop, department, shall be trained to be skillful in the probation period. If necessary, the relevant factory, workshop, departments under this law shall be paid for not less than 50% of the remuneration within three months. In the probation period 75% of the remuneration shall be paid.

The Employment and Skill Development (2013)

The project proponent commits to comply with the section 5 sub-sections (a), (b), (c), (d), (e), (f), (g), (h), section 14, section 15 sub-sections (a) and (b).

- (a) (i) The employer shall conclude an employment agreement within thirty days after appointing a worker to do any work. However, it does not concern with appointment of permanent staff at the Government department, Government organization;
- (ii) If the pre-orientation period and probation period are prescribed before the appointment, such trainee shall not concern with stipulation in sub-section (1).
- (b) The employment agreement shall include the followings:
- (i) category of employment;
- (ii) period of probation;
- (iii) wage, salary;
- (iv) place of employment;
- (v) term of agreement;
- (vi) workinghour;
- (vii) holiday, day-off and leave;
- (viii) over-time;
- (ix) messing arrangement during working hour;
- (x) accommodation;
- (xi) medical treatment;
- (xii) arrangement for ferry and travelling;
- (xiii) terms and conditions to be abided by the workers:
- (xiv) term of period agreeded by the worker to continue to work after attending the training if the worker has to attend the training sent by the employer;
- (xv) resignation from work and termination of work;
- (xvi) termination of agreement;
- (xvii) obligation from work and termination of work;
- (xviii) termination of employment agreement by mutual consent of employer and worker;
- (xix) other matters;
- (xx) prescribing, amending and adding the terms and condition of the agreement;
- (xxi) miscellaneous.
- (c) Workplace terms and conditions included in the employment agreement shall be in conformity with any existing law and benefits of the worker shall not be less than benefits contained in any existing law;
- (d) The Ministry shall issue notification to pay stipulated compensation to worker by the employer if the work is completed earlier than the period concluded in the employment agreement or if all or any part of the work is terminated due to unexpected cause or if a matter to terminate the work arises for any other cause;
- (e) The employment agreement concluded under sub-section (a) shall apply to daily wage earners and piece-workers temporarily at the Government organization;
- (f) The employer and the worker or workers may amend, by mutual agreement, conditions and benefits contained in the employment agreement as may be necessary in accord with the existing law;

Section 5

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	(g) The copy of employment agreement concluded between the employer and worker shall be sent to the relevant labour exchange office by the employer within the stipulated time and obtain approval;		
	(h) The employment agreements concluded before coming into force of this Law shall be valid until the original term terminates.		
Section 14	The employer shall carry out training programmes for increasing employment skill of the workers who are intended to appoint or who are working presently in his work in accord with the policy of the Skill Development Body according to the requirement of the work.		
	The employer:		
Section 15	(a) may carry out to cause to train each or group of workers, according to each or combination of works, in opening on-job trainings, training in workplace systematically, sending to external trainings and training by the system applying information technology in managing and carrying out training programmes for increasing employment skill of the workers.		
	(b) may carry out to cause to train persons who have attained 16 years of age, by appointing them as apprentices, the technologies relating to the employment in accord with regulations and by laws stipulated by the Skill Development Body.		
	Vehicle Safety and Motor Vehicle Management Law (2020)		
	The project proponent commits to comply with the section 17, section 18 sub-section (a), (b), section 19 sub-section (a), (b), section 24,26,28,29 sub-section (a), (b), 75 sub-sections (a), (b), (c), (d), (e), (f), (g), (h), (i), (j),		
Section 17	An owner of a motor vehicle shall register his or her vehicle with the relevant registrar in accordance with the stipulations.		
	An owner of a motor vehicle shall:		
	(a) repair and maintain his or her motor vehicle to meet the standards specified by the Department in order to drive safely;		
Section 18	(b) not have the right to register his/her motor vehicle if: (i) there is any mechanical defect in the motor vehicle; (ii) it does not conform with the standards in subsection (a); (iii) it does not conform with the stipulations in rules; or (iv) the owner fails to mention the previous registration of the motor vehicle.		
	(a) An owner of a motor vehicle may apply for temporary registration of the motor vehicle to the relevant registrar in accordance with the stipulations.		
Section 19	(b) The relevant registrar shall scrutinize the application under sub-section (a) and may register the motor vehicle by specifying the limited period and permitted area if it conforms with the stipulations.		
Section 24	An owner of a motor vehicle shall apply to the relevant registrar for the registration of a commercial motor vehicle as a rental vehicle.		
Section 26	A registrant of a motor vehicle shall inform the relevant registrar of the change of his or her address to record it whenever he or she changes the address.		
Section 28	A registrant of a motor vehicle shall, within the prescribed period, apply to the relevant local registrar for vehicle registration renewal before the date of expiry of registration, and pay a fine specified by the Ministry with the approval of the Union Government if it is applied after the date of expiry of registration.		
	If the registrant of a motor vehicle:		
Section 29	(a) wishes to change or alter any parts of a motor vehicle, he or she shall apply to the relevant registrar for the prior permission;		

	(b) makes any changes or alterations in any parts of a motor vehicle except the changes or alterations in subsection (b) of section 31, he or she shall pay a fine specified by the Ministry with the approval of the Union Government in accordance with stipulations.
	No person shall:
	(a) drive a motor vehicle in a public place without taking the driving licence issued to him or her;
	(b) serve as a conductor without taking the conductor's licence issued to him or her;
	(c) drive a motor vehicle with an expired driving licence;
	(d) serve as a conductor with an expired conductor's licence;
	(e) drive a motor vehicle while he is suffering from mental or physical disorders;
	(f) drive an overloaded motor vehicle that exceeds the permissible load capacity;
	(g) drive a motor vehicle with an extra light bulb or extra light;
Section 75	(h) drive a motor vehicle in violation of any provision of rules relating to pedestrian crossings;
	(i) serve as a conductor by using conductor's licence of any other persons;
	(j) fail to show registration certificate in the prescribed manners when driving a motor vehicle with a valid registration;
	(k) use a mobile phone while driving a motor vehicle;
	(I) allow the children under 10 years of age to ride in a motor vehicle without using safety seat while driving the prescribed motor vehicle;
	(m) drive a motor vehicle or allow the passengers to ride in a motor vehicle without fastening seat belt while driving the prescribed motor vehicle.
Th	e Vehicle Safety and Motor Vehicle Management Rules (2022)
The project proponent c	ommits to comply with the rule 252, 253, 254, 255, 256, 261, 262, 269 and 271.
	မည်သည့်မော်တော်ယာဉ်ကိုမဆို အငှားယာဉ်အဖြစ် မှတ်ပုံတင်ထားခြင်း မရှိသည့်အပြင်
Rule (252)	ကုန်းလမ်းသယ်ယူပို့ဆောင်ရေးလုပ်ငန်းများ ဥပဒေအရ ထုတ်ပေးသော သက်ဆိုင်ရာ
	လုပ်ငန်းလိုင်စင်ရယူထားခြင်း မရှိလျှင် စီးပွါးရေးလုပ်ငန်းသုံးမော်တော်ယာဉ်အဖြစ် အသုံးမပြုရ။
	စီးပွားရေးလုပ်ငန်းသုံးမော်တော်ယာဉ်မျာသည် ဦးစီးဌာနက သတ်မှတ်သည့် တင်ဆောင်နိုင်သော
Rule (253)	ခရီးသည်အရေအတွက် သို့မဟုတ် ကုန်အလေးချိန်ထက်ပို၍ တင်ဆောင်ခြင်းမပြုရ။
	စီးပွားရေးလုပ်ငန်းသုံးမော်တော်ယာဉ်များသည် အောက်ပါအချက်များကို လိုက် နာရမည်-
	(က)ကုန်းလမ်းသယ်ယူပို့ဆောင်ရေးလုပ်ငန်းများ ဥပဒေအရ ထုတ်ပေးသော သက်ဆိုင်ရာ
Rule (254)	လုပ်ငန်းလိုင်စင်တွင်ပါရှိသည့် သတ်မှတ်ချက်များအတိုင်းသာ လုပ်ကိုင်ရမည်။
	(ခ)ခရီးသည်တင်ယာဉ်အတွက် ခရီးသည်တက်၊ ဆင်းရန်နေရာနှင့် ရပ်နားရန်
	နေရာတို့ကိုလည်းကောင်း၊ ကုန်တင်ယာဉ်အတွက် ကုန်တင်ကုန်ချရန်နေရာ နှင့်
	၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂
	ြင်း ကြောင်း မြောင်း မြောင်း သက်ဆိုင်ရာ နေပြည်တော်ကောင်စီ၊ တိုင်းဒေသကြီး
	၂၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂ ၂၂၂၂၂၂၂၂၂
	ြ အတိုင်း အသုံးပြုရမည်။
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Rule (255)	မည်သည့်အ၄ားယာဉ်ပိုင်ရှင်၊ ယာဉ်မောင်းနှင်သူ သို့မဟုတ် ယာဉ်အကူမဆို သတ်မှတ်ထားသော ယာဉ်၄ားရမ်းခ သို့မဟုတ် လူစီးခ သို့မဟုတ် ကုန်တင်ခထက် ပိုမို၍ တောင်းယူခြင်းမပြုရ။		
Rule (256)	ကုန်တင်ယာဉ် (ဝန်လေး)၊ ခရီးသည်တင်ယာဉ်နှင့် တက္ကစီယာဉ်တို့တွင် ယာဉ်မောင်းနှင်သူ သို့မဟုတ် ယာဉ်မောင်းနှင်သူနှင့် ယာဉ်အကူနှစ်ဦးစလုံး၏ အမည်များနှင့် လိုင်စင်အမှတ်များကို ယာဉ်မောင်းနှင်သူအခန်းတွင် မြင်သာထင် ရှားစွာ ဖော်ပြထားရမည်။		
Rule (261)	(က)ကုန်တင်ယာဉ်တွင် ကုန်ပစ္စည်းများကို မော်တော်ယာဉ်အတွင်း၌ တင်ဆောင် ရမည်။ မော်တော်ယာဉ်၏ ပြင်ပ ရှေ့၊ နောက်နှင့် ဘေးနှစ်ဘက်တွင် ပစ္စည်း များ တင်ဆောင်ချိတ်ဆွဲခြင်းမပြုရ။		
	(ခ)ကုန်တင်ယာဉ်တွင် သယ်ဆောင်လာသော ကုန်ပစ္စည်းများ အများပြည်သူ ဆိုင်ရာ လမ်းပေါ်သို့ ဖိတ်စဉ်ခြင်း မရှိစေရ။		
	ဘေးအန္တရာယ်ရှိသော ကုန်ပစ္စည်းများကို သယ်ယူပို့ဆောင်မည့် မော်တော်ယာဉ် သည်-		
	(က) ဓာတုပစ္စည်းနှင့် ဆက်စပ်ပစ္စည်းများ အန္တရာယ်မှ တားဆီးကာကွယ်ရေး ဥပဒေ၊ နည်းဥပဒေများ ပြဋ္ဌာန်းချက်များနှင့်အညီ လိုက်နာဆောင်ရွက်ပြီး ဖြစ်ရမည်။		
	(ခ) သက်တမ်းရှိ အငှားမော်တော်ယာဉ် မှတ်ပုံတင်ဆိုင်ရာ အထောက်အထား များနှင့် ကုန်းလမ်းသယ်ယူပို့ဆောင်ရေးဥပဒေအရ ထုတ်ပေးသော သက်ဆိုင်ရာ လုပ်ငန်းလိုင်စင်အပြင် ဘေးအန္တရာယ်ရှိသော ကုန်ပစ္စည်းများ သယ်ယူပို့ဆောင်ခွင့် အတွက် သက်ဆိုင်ရာအစိုးရဌာန၊ အစိုးရအဖွဲ့အစည်းက ထုတ်ပေးသည့် ထောက်ခံချက်များ ပြည့်စုံစွာပါရှိရမည်။		
Rule (262)	(ဂ) ဘေးအန္တရာယ်ရှိသော ကုန်ပစ္စည်းများ တင်ဆောင်လာသည့် မော်တော်ယာဉ် ဖြစ်ကြောင်း သိသာထင်ရှားစေရန် မော်တော်ယာဉ်အမှတ် အသား (Vehicle Marking) ၊ ကွန်တိန်နာ အမှတ်အသား (Container Marking) နှင့် တိုင်ကီ အမှတ်အသား (Tank Marking) များ၊ ကုန်ပစ္စည်းအမျိုးအစားအလိုက် အန္တရာယ် ကင်းရှင်းစေရန် ထုပ်ပိုးခြင်း (Packaging) ၊ တံဆိပ်ကပ်ခြင်း (Labelling)၊ ကုန်တင်ခြင်း (Loading) နှင့် ကုန်ချခြင်း(Unloading) များကို ဦးစီးဌာနက သတ်မှတ်ထားသည့်အတိုင်း တပ်ဆင်ထားရှိရမည်။		
	(ဃ)ဘေးအန္တရာယ်ရှိသော ကုန်ပစ္စည်းများ တင်ဆောင်လာစဉ် မတော်တဆမှု ဖြစ်ပွားပါက ဆောင်ရွက်ရမည့်အစီအမံများ၊ အန္တရာယ်ကင်းရှင်းစေရေး လိုအပ်သည့် ပစ္စည်းကိရိယာများ (Safety Equipment) ကို ဦးစီးဌာနက သတ်မှတ်ထားသည့် အတိုင်း ပြည့်စုံစွာ ကြိုတင်ပြင်ဆင်ထားရမည်။		
Rule (269)	စီးပွားရေးလုပ်ငန်းသုံးမော်တော်ယာဉ်တွင် အသင့်အသုံးပြုနိုင်သည့် အရန်ဘီး၊ စက်ကိရိယာပြုပြင်ရန် တန်ဆာပလာ ပါရှိသည့်သေတ္တာ၊ မီးသတ်ဆေးဘူး၊ အရေးပေါ် ထွက်ပေါက်မှန်ခွဲရန် တူ သို့မဟုတ် ပုဆိန်၊ ကြမ်းတုံး၊ ရပ်နားတြိဂံနှင့် ရှေးဦးသူနာပြု ဆေးသေတ္တာတို့ ပါရှိရမည်။		
Rule (271)	စီးပွားရေးလုပ်ငန်းသုံးမော်တော်ယာဉ် မှတ်ပုံတင်ထားသူအမည် သို့မဟုတ် နေရပ်လိပ်စာ ပြောင်းလဲလိုပါက မော်တော်ယာဉ်ပိုင်ရှင်သည် သက်ဆိုင်သည့် ဒေသဆိုင်ရာ မှတ်ပုံတင် အရာရှိနှင့် ကုန်းလမ်းသယ်ယူပို့ဆောင်ရေး လုပ်ငန်းများ ဥပဒေအရ လုပ်ငန်းလိုင်စင် ထုတ်ပေးသည့် တိုင်းဒေသကြီး သို့မဟုတ် ပြည်နယ် သို့မဟုတ် ပြည်ထောင်စုနယ်မြေ သို့မဟုတ် ခရိုင် သို့မဟုတ် မြို့နယ်ဦးစီးဌာနသို့ လျှောက်ထား ဆောင်ရွက်ရမည်။		
Public Health Law (1972)			

The project proponent commits to comply with the section 3 sub-sections 1. (a), (b), (c), (d).		
Section 3	Environmental health activities:	
	(a)Residential area has to be trash free and wastage has to be properly disposed.	
	(b)Area of drinking water source has to be cleaned and monitor according to the international standards.	
	(c)Residential area has to be free of odor, smoke, carbon dioxide, dust, noise and radioactive materials.	
	(d)Buildings and places which are used for the development of city/villages, building construction and public uses are advised to be clean.	
Prevention	and Control of Communicable Disease Law (1995, amended in 2011)	
	ommits to comply with the section 8 sub-sections (a), (b), (c), (d), (e), section 9 sub-section 11 sub-sections (a), (b), (c), (d), (e), section 14 sub-sections (a), (b), (c), (d),	
	For prevention of the outbreak of communicable disease and effective control of communicable disease when it occurs, the public shall, under the supervision and guidance of the Health Officer of the relevant area, undertake the responsibility of carrying out the following environmental sanitation measures:	
Section 9	a) indoor, outdoor sanitation or inside the fence, outside the fence sanitation;	
Section 8	b) well, ponds and drainage sanitation;	
	c) proper disposal of refuse and destruction thereof by fire;	
	d) construction and use of sanitary latrines;	
	e) other necessary environmental sanitation measures.	
	When the head of the household, any member of the household or any entrepreneur knows the occurrence of any of the following matters, he shall report immediately to the nearest health department or hospital:	
Section 9	a) enmasse death of animals including chicken and birds;	
Cooling	b) rat fall;	
	c) suspicion or occurrence of epidemic disease;	
	d) occurrence of notifiable disease.	
	In order to prevent and control the spread of a Principal Epidemic Disease, the Health Officer may undertake the following measures:	
	(a) investigation of a patient or any other person required;	
	(b) medical examination;	
Section 11	(c) causing laboratory investigation of stool, urine, sputum and blood samples to be carried out;	
	(d) other necessary investigation;	
	(e) prohibition of the right of movement of the vehicle carrying animal or animal product suspected of having epidemic disease.	
	An organization or an officer on whom power is conferred by the Ministry of Health may issue a prohibitive order or a restrictive order in respect of the following matters:-	
Section 14	(a) right of the person suffering from Epidemic Disease to leave and return to his house;	
	(b) right of people living in the house, ward, village or township infected by Epidemic Disease to leave and return thereto;	

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	(c) right of people from outside to enter the house, 'ward, village or township infected by Epidemic Disease;					
	(d) if there is a person suffering from Epidemic Disease among those people arriving by train, motor vehicle, aircraft, vessel or any other vehicle, right of such person put under quarantine up to a period necessary for medical examination, to leave and return thereto;					
	(e) when an outbreak of Epidemic Disease occurs during the time of fair and festival, right of the public to visit the site and right to continue the festival.					
	(f) right of movement of the vehicle carrying animal or animal product suspected of having epidemic disease.					
	Occupational Safety and Health Law (2019)					
(a), (b), (c), (d), (e), (f), (and (d), section 28, section 28	commits to comply with the section 12 sub-sections (a) and (b), section 26 sub-sections (g), (h), (i), (j), (k), (l), (m), (n), (o), (p), (q) and (r), section 27 sub-sections (a), (b), (c) section 34 sub-sections (a) and (b) and section 48 ction 49 sub-sections (a), (b), (c), (d), (e).					
	The employer shall:					
	(a) appoint a person in-charge for occupational safety and health according to the type of industries to closely supervise the safety and health of the workers in accordance with the specifications of the Ministry;					
Section 12	(b) establish each Occupational Safety and Health Committee comprising equal number of employers and workers' representatives according to the types of industry without lessening the number of workers prescribed by the Ministry to be safe and healthy workplace, in accordance with the specifications of the Ministry. In establishing the Committee, occupational safety and health matters for female workers shall be considered according to the nature of work.					
	Any employer shall:					
	(a) arrange to assess the risk severity of material and machinery used in the workplace and process, if necessary;					
	(b) arrange to assess the risk of occupational factors, if necessary;					
	(c) arrange to conduct medical examination for workers by the certified doctor in accordance with the specifications whether occupational diseases are contracted;					
	(d) arrange to be safe and healthy workplace based on the findings of subsections (a), (b) and (c);					
	(e) provide the suitable personal protective equipment, things and facilities adequately prescribed and allowed by the Department to the workers with free of charge, and make sure them to wear at the workplace;					
Section 26	(f) take the preventive measures and emergency response preparedness;					
	(g) establish dispensary, appoint registered doctors and nurses, and provide necessary medicines and facilities at the workplace where the workers are not less than the number of workers prescribed by the Ministry;					
	(h) cause to attend the training on occupational safety and health prescribed by the Ministry to the managers and workers from the respective type of work or branch including himself and members of the Occupational Safety and Health Committee;					
	(i) arrange to give information immediately to the person in-charge for occupational safety and health or managers if any worker faces the situation which is likely to happen occupational injury or harm his life and health;					
	(j) arrange to be safe and healthy for persons at the work place due to material and machinery used in the workplace or process, or wastes;					

	(k) arrange to stop the process immediately, remove the workers from the workplace, and perform necessary evacuation and rescue procedures in case of imminent danger. If possible, workers are transferred to and worked at other suitable safety workplaces;
	(I) have instructions, warning signs, notices, posters and signage regarding occupational safety and health in accordance with the specifications;
	(m) arrange to follow the precautions in accessing to the restricted workplaces where may be harmful;
	(n) arrange to distribute or disseminate the manual and guidance regarding the occupational safety and health issued by respective Ministries to workers and persons related to the workplace for acquiring knowledge, technology and skills;
	(o) design the fire security plan and organize the fire-drills, and train to use systematically fire extinguishers and devices;
	(p) allow the chief inspector and inspectors to inspect the workplace, inquire, ask for documents or seize exhibits;
	(q) employ workers within the prescribed working hours at hazardous work and workplaces;
	(r) bear any expenditure regarding occupational safety and health measures.
	No employer shall dismiss or suspend any worker due to one of the following reasons:
	 (a) before obtaining the medical report of a registered doctor for being injury in the workplace or the medical report of a certified doctor for contracting occupational disease;
Section 27	(b) complaint about a matter of unsafe or health risk;
	(c) undertaking the functions and duties of the Occupational Safety and Health Committee;
	(d) no longer working at the imminent danger situation or situation to be contracted the occupational disease.
Section 28	The employer shall bear all expenses for medical check-up to determine the degree of reduction in ability to work and the class of disability in case the worker contracting occupational accident or occupational disease is not applied to the Social Security Law, 2012.
	The employer:
	(a) may restrict the employment of unfit workers based on the nature of work according to the registered doctor's medical report;
Section 29	(b) shall, without delay, allow to resume the original work or any suitable workplace when the worker restricted under subsection (a) submits the document for recovery from his illness;
	(c) shall arrange not to harm the health of pregnant or breast-feeding women of the workplace.
	An employer, in accordance with the specifications, is liable to:
Section 34	(a) inform the Department in case of an occupational accident, dangerous occurrence and major accident;
200.011.01	(b) submit a report with the medical report of the certified doctor to the Department, in case of any worker contracted any of the prescribed occupational diseases or being or likely to be occupational poisoning due to any material or process.

	(a) Any person who is currently operating or wants to operate any Industry/Business to which this Law applies shall not fail to lodge the registration with the Department.					
Section 48	(b) No one shall fail to notify the Department in accordance with the stipulations that he/she will build, extend or restructure a building, place, install, extend or change the use of machines in respective processes for the Industry/Business to which this Law applies in accordance with Occupational Safety and Health stipulations.					
	Any employer shall not:					
	(a) fail to comply with the temporary stop-work order issued under section 18;					
	(b) fail to comply with the conditions prescribed under subsection (b) of section 20;					
Section 49	(c) fail to comply with the instructions issued by the inspector under subsection (a) of section 21;					
	(d) employ more than working hours prescribed under subsection (q) of section 26;					
	(e) fail to bear the expenditure on occupational safety and health under subsection (r) of section 26.					
	The Conservation of Water Resources and River Law (2016)					
The project proponent contact (a), section 19, 22 and 2	commits to comply with the section 8 sub-sections (a) and (b), section 11 sub-section 29.					
	No person shall:					
Section 8	a) carry out any act or channel shifting with the aim to ruin the water resources and rivers and creeks;					
	b) cause the wastage of water resources willfully.					
	No person shall:					
Section 11	(a) dispose of engine oil, chemical, poisonous material and other materials which may cause environmental damage, or dispose of explosives from the bank or from a vessel which is plying, vessel which has berthed, anchored, stranded or sunk.					
Section 19	No one shall dispose of any substance into the river-creek that may cause damage to					
Section 22	No one shall, without the permission of the directorate, pile sand, shingle and other heavy materials for business purposes in the bank area and waterfront area.					
Section 29	Section 29 Whoever attempts or conspires or abets in the commission of an offence under this Law shall be punished with the punishment provided for such offence in this Law.					
The Protection and Preservation of Cultural Heritage Regions Law (2019)						
The project proponent co	ommits to comply with the section 21.					
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A person desirous of carrying out one of the following shall abide by the provisions of other existing laws and also apply to the Region or State Preservation Committee or Regional Preservation Committee in accordance with stipulations to obtain prior permission for not impacting the cultural heritage regions:

- a) Within the urban and villages of cultural heritage zone
- 1) constructing or extending a building;
- 2) renovating other building or fencing, renovating or extending the boundary of its enclosure except heritage building;
- 3) renovating and constructing the religious buildings, education and health infrastructures without impacting the cultural heritage;
- 4) expansion of road and road repairing and renovation of jetty;
- 5) digging well, pond, swimming pool, reservoir, fish-breeding pond, livestock farm, perennial trees plantation, or extending or renovation;
- 6) constructing, extending or repairing craftwork factories;
- 7) constructing, extending or repairing restaurants, souvenir shops, activities related to touring;
- 8) constructing, extending or repairing exhibition buildings;
- 9) Repairing the existing hotel, motel, inn, guest house or small and medium industrial buildings;
- 10) Flying helicopter, gas ballons, drones.

b) In buffer zone

- 1) Road construction, constructing or extending jetty, railroad, railway station, stadium and field, building and bridges;
- 2) Constructing and erecting transmission towers, underground works, underground cables, power grid, electrical sub-station, posts, and gas pipelines;
- 3) Flying helicopter, gas ballons, drones;
- 4) Constructing entertainment building, guest house, rest camp, horse riding field and infrastructure.
- c) Within the cultural heritage zone
- 1) Growing perennial trees which can impact the environment and surrounding views on farm land;
- 2) Carrying out the following which can destroy the original topography of the land:
- i. Gold panning, sand extraction, rock extraction, brick making, garbage disposal and wastewater disposal;
- ii. Land clearing, earthwork excavation, bulldozing natural high lands and blocking water flow;
- iii. Covering Pond, stream, irrigation channel with soil.
- 3) Destroying and cutting the existing local species of natural plants and growing the exotic species and perennial trees;
- 4) Blocking or fencing the heritage buildings or places which are located in a compound.

The Commercial Tax Law (1990) Amended 2014

Section 21

	commits to comply with the section 11 sub-sections (b), section 12 sub-sections (a), (b),					
(c), (d), (e). Section 11	(b) Any Person who commences operation of a goods production enterprise or service enterprise shall furnish letter of intimidation on the commencement of the operation as such to the relevant Township Revenue Officer as stipulated by regulations.					
	(a) Any person who has taxable proceed of sale or receipt from service within a year, shall pay due monthly tax within ten days after the end of the relevant month. Moreover, a three-monthly return shall be furnished to the relevant Township Revenue Officer within one month after the end of relevant three-month.					
	(b)The Township Revenue Officer may intimate any person to pay due monthly tax and send three-monthly return if there is cause to consider that he has taxable proceed of sale or receipt from service within a year.					
Section 12	(c)If it is failed to pay tax under sub-section (a) or (b), or if there is cause to consider that the tax paid is less than the tax payable, the Township Revenue Officer may, based on the information received, estimate and claim the tax payable or the additional tax payable.					
	(d)The tax paid under sub-section (a), (b) or (c) shall be set-off from the tax due in the assessment.					
	(e) The tax payable on goods imported under sub-section (c) of section 4 of the Law shall be collected together with the customs duties by the Customs Department in accord with the manner of collecting customs duties.					
	The Export and Import Law (2012)					
The project proponent of	commits to comply with the section 5, 6, 7.					
Section 5	No persons shall export or import restricted, prohibited and banned goods.					
Section 6	Without obtaining license, no person shall export or import the specified goods which are to obtain permission.					
Section 7	A person who obtained any license shall not violate the conditions contained in the license.					
	The Standardization Law (2014)					
The project proponent of	commits to comply with the section 17, 29.					
Section 17	A person desirous of obtaining quality recommendation shall apply to the department and organization which have obtained the accreditation certificate from the Department.					
Section 29	The person who has obtained the quality recommendation, its agent and its successor shall comply with compulsory standards.					
လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများဆိုင်ရာဥပဒေ (၂၀၁၈)						
	commits to comply with the section 9,13,15 sub-sections (a), (b), (c), (d), section 16 sub- n 21 sub-sections (a), (b), (c).					
လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများ တင်သွင်းလိုသူသည် ပုဒ်မ ၇၊ ပုဒ်မခွဲ (ဂ)အမ ကာကွယ်ရေးဦးစီးဌာနချုပ်ရုံး (ကြည်း) ၏ ခွင့်ပြုချက်ကို လက်ခံရရှိလျှင် ဥပဒေနှင့်အညီ တင်သွင်းခြင်းပြုနိုင်ရေးအတွက် သက်ဆိုင်ရာအစိုးရဌာန၊ အစိုးရအဖွဲ့အစည်းနှင့် လိုအပ်သလို ညှိနှိုင်းဆောင်ရွက်ရမည်။						

ပုဒ်မ ၁၃	လိုင်စင်ရရှိသူသည် လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများ သိုလှောင်ခြင်းလုပ်ငန်း ဆက်လက်ဆောင်ရွက်လိုပါက သက်တမ်းမကုန်ဆုံးမီ ရက်ပေါင်း၃၀ ကြိုတင်၍ သက်တမ်းတိုးပေးရန် စစ်ဆေးရေးအရာရှိချုပ်ထံ သတ်မှတ်ချက်နှင့်အညီ လျှောက်ထားနိုင်သည်။					
	လိုင်စင်ရရှိသူသည်-					
	(က) လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို ခွင့်ပြုသည့်ပမာဏထက်မပိုစေဘဲ သတ်မှတ်ချက်နှင့်အညီ စနစ်တကျ သိုလှောင်သိမ်းဆည်းရမည်။					
	(ခ)စစ်ဆေးရေးအရာရှိချုပ် သို့မဟုတ် စစ်ဆေးရေးအရာရှိ၏ အခါအားလျော်စွာ စစ်ဆေးခြင်း ခံယူရမည်။					
ပုဒ်မ ၁၅	(ဂ) လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများ ပျောက်ဆုံးခြင်း၊ မီးလောင်ခြင်း၊ ပေါက်ကွဲခြင်းကြောင့် ဆုံးရှုံးပျက်စီးခြင်း၊ လူများထိခိုက်ဒဏ်ရာရခြင်း သို့မဟုတ် သေဆုံးခြင်း ဖြစ်ပေါ် ပါက အနီးဆုံးရဲစခန်းသို့ ချက်ချင်း အကြောင်းကြားရမည့်အပြင် စစ်ဆေးရေးအရာရှိချုပ်ထံ အချိန်နှင့်တစ်ပြေးညီ သတင်းပို့ရမည်။					
	(ဃ)လိုင်စင်အတွက်ဝန်ကြီးဌာနက သတ်မှတ်သော နှုန်းထားအတိုင်း အခကြေးငွေကို ဦးစီးဌာနသို့ပေးဆောင်ရမည်။					
	ခွင့်ပြုချက်ရရှိသူသည်-					
ပုဒ်မ ၁၆	(က) လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို လိုင်စင်ရယမ်းတိုက်များတွင်သာ သိုလှောင်ရမည်။					
10000	(ခ) လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို သယ်ယူပို့ဆောင်ခြင်း၊ ပြုလုပ်ခြင်း၊ သုံးစွဲခြင်း၊ လက်ဝယ်ထားရှိခြင်းပြုရာတွင် အန္တရာယ်မဖြစ်စေရေးအတွက် လိုအပ်သော ကာကွယ်မှုများကို သတ်မှတ်ချက်များနှင့်အညီ ကြိုတင်ဆောင်ရွက်ရမည်။					
	လိုင်စင်ရရှိသူသည်-					
	(က)ဝန်ကြီးဌာနက ထုတ်ပေးသော လိုင်စင်ပါ ခွင့်ပြုပမာဏထက်ပိုမိုသော လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို လက်ခံသိုလှောင်ခြင်း မပြုရ။					
ပုဒ်မ ၂၁	(ခ)ပုဒ်မ၁၅၊ ပုဒ်မခွဲ (ဂ)ပါ လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကြောင့် တစ်ခုခုဖြစ်ပွားပါက အနီးဆုံးရဲစခန်းသို့ ချက်ချင်းအကြောင်းကြားခြင်းနှင့် စစ်ဆေးရေးအရာရှိချုပ်ထံ အချိန်နှင့်တစ်ပြေးညီ သတင်းပို့ရန် ပျက်ကွက်ခြင်းမရှိစေရ။					
	(ဂ)လိုင်စင်သက်တမ်း ကုန်ဆုံးသည့်အချိန်တွင် သက်တမ်းတိုးမြှင့်ခြင်းမရှိဘဲ လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကိုဆက်လက်သိုလှောင်ခြင်းမပြုရ။					
လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများဆိုင်ရာနည်းဥပဒေများ (၂၀၂၂)						
The project proponent c	ommits to comply with the section 48 sub-sections (a), (d), (e), (f), section 67.					
သက်ဆိုင်ရာလုပ်ငန်းတာဝန်ခံသည် လက်ခံရရှိသော ပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို ပုဒ်မ ၄၈ လုပ်ငန်းခွင်၌ အသုံးပြုရာတွင် အောက်ပါအတိုင်း စီမံဆောင်ရွက်ရမည်-						

	(က)လုပ်ငန်းခွင်ဘေးအန္တရာယ်ကင်းရှင်းရေးသည် ပထမဦးစားပေးအဖြစ် သတ်မှတ်၍ သတိထားအသုံးပြုဆောင်ရွက်ရန်၊
	(ဃ)လုပ်ငန်းခွင်အသုံးပြုမှုနှင့်စပ်လျဉ်း၍ လုပ်ငန်းနှင့် လုပ်ကွက်နေရာအလိုက် မှတ်တမ်းထားရှိရန်နှင့် တာဝန်ရှိသူများမှ လာရောက်စစ်ဆေးလျှင် မှတ်တမ်းစာအုပ်နှင့်အတူ အစစ်ဆေးခံနိုင်ရေးအတွက် စီစဉ်ထားရှိရန်၊
	(င)လုပ်ငန်းခွင်ဘေးအန္တရာယ်ကင်းရှင်းစွာ အသုံးပြုနိုင်ရေးအတွက် အရည်အချင်းပြည့်စုံသော နားလည်ကျွမ်းကျင်သူများကို တိကျစွာ တာဝန်ပေးကြပ်မတ်လုပ်ကိုင်စေရန်၊
	(ဆ)လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို မသက်ဆိုင်သူများထံသို့ မရောက်ရှိစေရေးအတွက် တာဝန်ရှိသူအဆင့်ဆင့်မှတာဝန်ခံ၍ အထူးဂရုပြုကြပ်မတ်ဆောင်ရွက်ရန်။
ပုဒ်မ ၆၇	လိုင်စင်ရရှိသူသည် လိုင်စင်ပါ ခွင့်ပြုပမာဏထက်ပိုသော သို့မဟုတ် ခွင့်ပြုချက်မရှိသော လုပ်ငန်းခွင်သုံးပေါက်ကွဲစေတတ်သော ဝတ္ထုပစ္စည်းများကို ယမ်းတိုက်တွင် လက်ခံသိုလှောင်ထားပါက ဥပဒေပါ ပြစ်ဒဏ်များချမှတ်ခြင်းခံရမည်။

2.2. NATIONAL ENVIRONMENTAL QUALITY (EMISSION) GUIDELINES

As specified in the EIA Procedure, all projects are obliged to use, comply with and refer to applicable national guidelines or standards or international standards adopted by the Ministry. As specified in the EIA Procedure, following project approval a project shall commence implementation strictly in accordance with the project EMP and any additional requirements set out in the project ECC, which will encompass conditions relating to emissions. While these Guidelines generally apply to all projects subject to the EIA Procedure, it is the prerogative of the Ministry to decide how the Guidelines should be applied to existing projects as referred to in the EIA Procedure.

According to the Environmental Conservation Law, MOECAF shall set standards of environmental qualities as agreed by the Union Government and the Environmental Conservation Committee to provide the basis for regulation and control of noise and vibration, air emissions and liquid discharges from various sources in order to prevent pollution for purposes of protection of human and ecosystem health.

2.2.1. General Guidelines

General guidelines of related environmental impact guideline for proposed project are-

2.2.1.1. Air emission

Projects with significant sources of air emissions, and potential for significant impacts to ambient air quality, should prevent or minimize impacts by ensuring that: (i) emissions do not result in concentrations that reach or exceed national ambient quality guidelines and standards, or in their absence current World Health Organization (WHO) Air Quality Guidelines1 for the most common pollutants as summarized below; and (ii) emissions do not contribute a significant portion to the attainment of relevant ambient air quality guidelines or standards (i.e. not exceeding 25 percent of the applicable air quality standards) to allow additional, future sustainable development in the same air shed. Industry-specific guidelines summarized hereinafter shall be applied by all projects to ensure that air

emissions conform to good industry practice. Reference should be made to WHO's Air Quality Guidelines for Europe2 for air pollutants not included in the following **Table 2-2**.

Table 2-2 NEQEG's Air Quality Guideline

Parameter	Averaging Period	Guideline Value	
Nijerana Dia Ma	1-year	40	
Nitrogen Dioxide	1-hour	200	
Ozone	8-hour	100	
Dout's late Matter DM403	1-year	10	
Particulate Matter PM10 ^a	24-hour	50	
Particulate Matter PM2.5 ^b	1-year	10	
Particulate Matter PM2.5	24-hour	25	
Sulfur dioxide	24-hour	20	
Sullui dioxide	10-minute	500	

^a Particulate matter 10 micrometers or less in diameter

2.2.2. Noise

Noise prevention and mitigation measure should be taken by all projects where predicted or measured noise impacts from a project facility or operation exceed the applicable noise level guideline at the most sensitive point of reception. Noise impacts should not exceed the levels shown below, or result in a maximum increase in background levels of three decibels at the nearest receptor location off-site.

Table 2-3 National Environmental Quality (Emission) Guideline

	One Hour Laeq (dBA)	Guideline value		
Doomton	Daytime	Nighttime		
Receptor	7:00-22:00 (10:00-22:00	22:00-7:00 (22:00-10:00		
	for public holidays)	for public holidays)		
Residential,				
Institutional,	55	45		
Educational				
Institutional,	70	70		
Commercial	70	70		

^aEquivalent continuous sound level in decibels

2.2.3. Wastewater

Industry-specific guidelines apply during the operations phase of projects and cover direct or indirect discharge of wastewater to the environment. They are also applicable to industrial discharges to

^b Particulate matter 2.5 micrometers or less in diameter

sanitary (domestic) sewers that discharge to the environment without any treatment. Wastewater generated from project operations includes process wastewater, wastewater from utility operations, runoff from process and storage areas, and miscellaneous activities including wastewater from laboratories, and equipment maintenance shops. Projects with the potential to generate process wastewater, sanitary sewage, or storm water should incorporate the necessary precautions to avoid, minimize, and control adverse impacts to human health, safety or the environment. Industry-specific guidelines summarized hereinafter shall be applied by all projects, where applicable, to ensure that effluent emissions conform to good industry practice.

For project types where industry-specific guidelines are not set out in these Guidelines, the following general guideline values, or as stipulated on a case-by-case basis, apply during project operations.

Table 2-4 Wastewater, Storm Water Runoff, Effluent and Sanitary Discharges (general application)1

application)1		
Parameter	Unit	Guideline Values
5-day Biochemical oxygen demand	mg/l	50
Ammonia	mg/l	10
Arsenic	mg/l	0.1
Cadmium	mg/l	0.1
Chemical oxygen demand	mg/l	250
Chlorine (total residual)	mg/l	0.2
Chromium (hexavalent)	mg/l	0.1
Chromium (total)	mg/l	0.5
Copper	mg/l	0.5
Cyanide (free)	mg/l	0.1
Cyanide (total)	mg/l	1
Fluoride	mg/l	20
Heavy metals (total)	mg/l	10
Iron	mg/l	3.5
Lead	mg/l	0.1
Mercury	mg/l	0.01
Nickel	mg/l	0.5
Oil and grease	mg/l	10
рН	S.U.ª	6-9
Phenols	mg/l	0.5
Selenium	mg/l	0.1
Silver	mg/l	0.5

³ Pollution prevention and abatement handbook. 1998. Toward cleaner production. World Bank Group in collaboration with United Nations Environment Programme and the United Nations Industrial Development Organization.

Myanwei Environmental Solutions Company Limited

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Sulphide	mg/l	1
Temperature increase	°C	<3 ^b
Total coliform bacteria	100 ml	400
Total phosphorus	mg/l	2
Total suspended solids	mg/l	50
Zinc	mg/l	2

a Standard Unit

b At the edge of a scientifically established mixing zone which takes into account ambient water quality, receiving water use, potential receptors and assimilative capacity; when the zone is not defined, use 100 meters from the point of discharge

3. PROJECT DESCRIPTION

3.1. LOCATION OF PROPOSED PROJECT

The proposed project is located at Latitude **16°58'36.82"N** and Longitude **96°3'4.82"E**, Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar.The location map of the proposed project site is shown in **Figure 3-2**.

3.1.1. Adjacent Map of Proposed Project

Manufacturing of Garment on CMP basis is located at Land Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region.

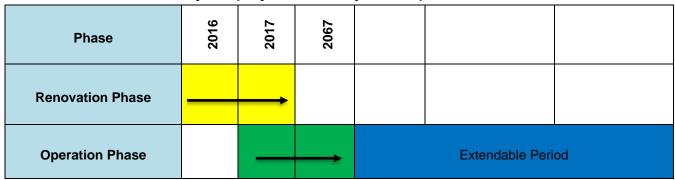
3.2. PRE-CONSTRUCTION AND CONSTRUCTION PHASE

During the EMP study, the factory has been constructed and has started commercial operation at the project site. Therefore, these phases are not considered in the EMP report.

3.3. PROJECT OPERATION

Renovation period of the factory is started in 2016 and finished within 1 year and 6 months. The operation phase of the factory is started from 2017 and the validity of endorsement is 50 years. Factory will extend the validity of endorsement before expired **Guohua Glory Company Limited** will close the factory as their MIC proposal.

Table 3-1 Guohua Glory Company Limited's Project Life Span



3.4. OPERATION PHASE

3.4.1. Site Description of Proposed project site

The total area of project site is **3.54** Acres (**14.327** Sqm) and office room, production area, warehouse, production area and etc. which were built on its land area. Also, factory layout drawing is able to seen in **Figure 3-3**.

Guohua Glory Company Limited 17-Jan-25

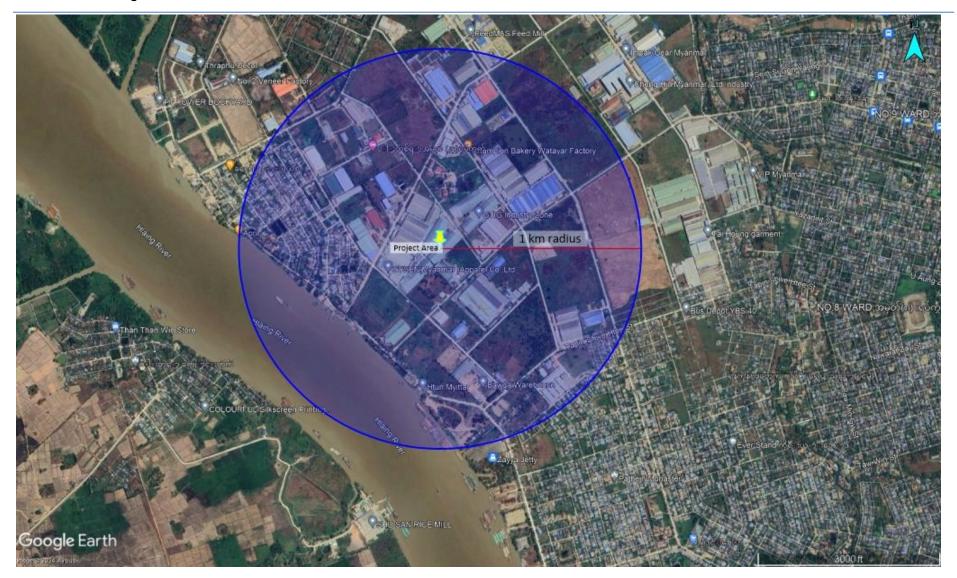


Figure 3-1 Adjacent Location Map of Proposed Project

Guohua Glory Company Limited 17-Jan-25

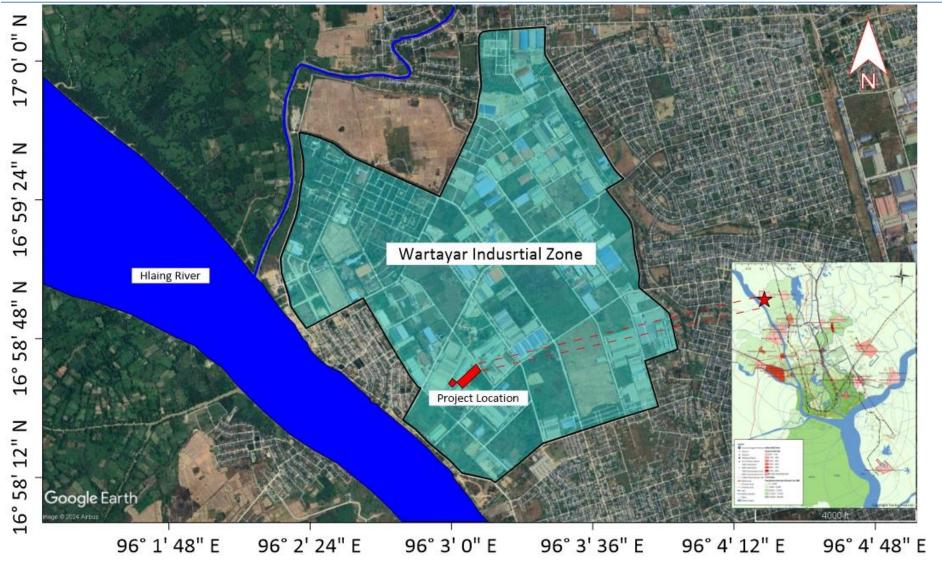


Figure 3-2 Location Map

Guohua Glory Company Limited 17-Jan-25

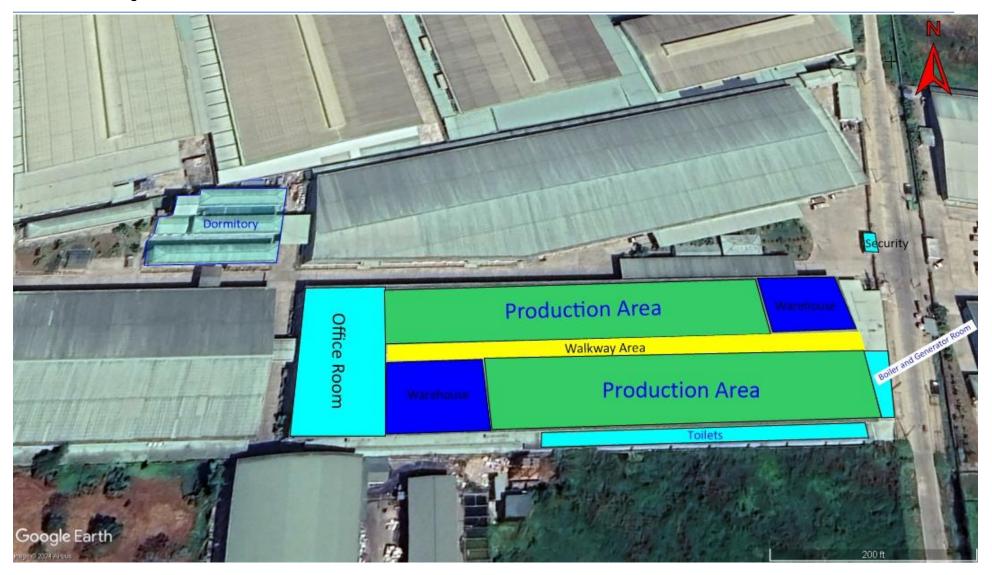


Figure 3-3 Factory Layout Map

3.4.2. Production Process

The production process is based on CMP system in which the production on consignment in which the main raw materials (fabrics, ancillary materials, etc.) are provided by overseas buyers and imported free of charge, then cut, sewn and packed in the domestic factories, after which all of the finished products are exported. The main operation of the proposed factory is sewing. The sewing was operated one and two needles sewing machine and checked by quality control supervisor on each sewing line. The ironing process is completed after QC process. Then garment packing is completed and prior to shipping to destinations. The process flow diagram for garment manufacturing is illustrated in **Figure 3-4**.

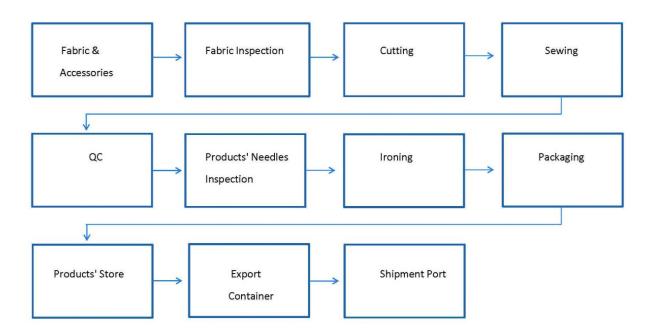


Figure 3-4 Production Flow Diagram of Guohua Glory Company Limited

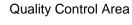


Warehouse Cutting Area



Fings

Sewing Area

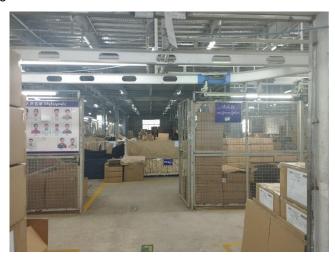






Ironing Area

Packing Area



Product's Store Area

Figure 3-5 Production Photos

3.4.3. **Product**

The products of **Guohua Glory Company Limited** are Jacket, Pants, Shirt, Coat, Parka and Blouse. The main products are exported to Denmark, Norway, USA and Italy. **Figure 3-6** is described in final products storage photo and **Table 3-2** is described in annual production rate.

Table 3-2 Annual Production Rate

No	Name	A/U	Year 1	Year 2	Year 3	Year 4	Year 5 to Year 15
1	Jacket	Pcs	300,000	315,000	330,750	363,825	400,208
2	Pants	Pcs	700,000	735,000	771,750	848,925	933,818
3	Shirt	Pcs	170,000	178,500	187,425	206,168	226,784
4	Coat	Pcs	170,000	178,500	187,425	206,168	226,784
5	Parka	Pcs	150,000	157,000	165,375	181,913	200,404
6	Blouse	Pcs	150,000	157,000	165,375	181,913	200,404
_	Total Pcs		1,640,000	1,722,000	1,808,100	1,988,910	2,187,801









Figure 3-6 Products Photos

3.4.4. Raw Material

Fabric, Lining, Button, Interlining and Thread are imported from China. List of raw materials are described in **Table 3-3**.

Table 3-3 List of Raw Materials Requirement

Table 5-c	List of Naw Materials Requirement						
	Raw Materials Name	Unit	Year 1	Year 2	Year 3	Year 4	Year 5 Year to Year 15
No.			Quantity	Quantity	Quantity	Quantity	Quantity
1.	Woven	YDS	2,636,00	2,767,800	10,716,300	3,196,809	3,516,490
2.	Knit	KGS	92,300	10,206,000	149,898	111,917	123,134
3.	Zipper	PCS	2,070,000	1,300,000	2,173,500	2,510,393	2,761,432
4.	Interlining	YDS	317,500	333,375	40,950	385,048	423,553
5.	Main Label	PCS	1,640,000	1,722,000	1,808,100	1,988,910	2,187,801
6.	Washing Label	PCS	1,640,000	1,722,000	1,808,100	1,988,910	2,187,801
7.	Size Label	PCS	1,640,000	1,722,000	1,808,100	1,988,910	2,187,801
8.	Drawing String	YDS	700,000	472,500	496,125	545,738	600,311
9.	Elastic	YDS	700,000	735,000	771,750	848,925	933,818
10.	Velcro button	YDS	60,000	63,000	66,150	72,765	80,042
11.	Button	PCS	10,350,000	10,867,500	11,410,875	12,551,963	13,807,159
12.	Invisible button	SETS	170,000	178,500	187,425	206,168	226,784
13.	Polybag	PCS	1,640,000	1,722,000	1,808,100	1,998,910	2,187,801

	Raw Materials Name	Unit	Year 1	Year 2	Year 3	Year 4	Year 5 Year to Year 15
No.			Quantity	Quantity	Quantity	Quantity	Quantity
14.	Hangtag	PCS	1,640,000	1,722,000	1,808,100	1,998,910	2,187,801
15.	Threads	CONES	107,900	113,295	118,960	180,856	143,941
16.	Popping	YDS	981,000	1,030,050	1,081,553	1,189,708	1,308,679
17.	Eyelet	SETS	1,200,000	4,767,000	1,808,100	1,998,910	2,187,801
18.	Leakage button	PCS	770,000	808,500	848,925	933,818	1,027,199
19.	Carton	PCS	1,640,000	1,722,000	1,808,000	1,998,910	2,187,801
20.	Lox Pin	PCS	1,640,000	1,722,000	1,808,000	1,998,910	2,187,801
21.	Tissue Paper	PCS	1,640,000	1,722,000	1,808,000	1,998,910	2,187,801
22.	Hanger	PCS	1,640,000	1,722,000	1,808,000	1,998,910	2,187,801
23.	Size Ring	PCS	1,640,000	1,722,000	1,808,000	1,998,910	2,187,801
24.	Lace	YDS	150,000	157,000	165,375	181,913	200,104
25.	Transfer print	PCS	170,000	178,500	187,425	206,168	226,784
26,	Stop button	PCS	2,000,000	2,100,000	2,205,000	2,425,500	2,668,050
27.	Big collar	PCS	320,000	336,000	352,800	388,080	426,888
28.	Bowknot	PCS	320,000	336,000	352,800	388,080	426,888
29.	Clip	PCS	4,840,00	5,082,000	5,336,100	5,869,710	6,456,681
30.	Ball Paper	PCS	320,000	336,000	352,800	388,080	426,888
31.	Shirt collar	PCS	640,000	672,000	705,600	776,160	853,776
32.	Felt	PCS	640,000	672,000	705,600	776,160	853,776



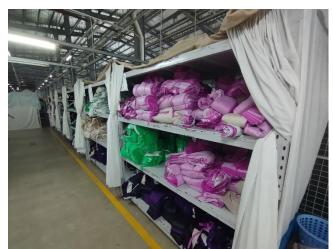


Figure 3-7 Raw Materials Photos

3.4.5. Machinery and Equipment

List of machinery required for **Guohua Glory Company Limited** which imported from China is following in **Table 3-4**, **Table 3-5** and local purchased is shown in **Table 3-6**.

Table 3-4 List of Operation Machinery (Imported)

No.	Particular	Unit	Quantity
1.	Band Knife	SET	5
2.	Spreading Machine	SET	3
3.	Cutting Machine	SET	15
4.	Light Box	SET	1
5.	Fusing Machine	SET	12
6.	Single needle lock stich auto	SET	850
7.	2-needle lockstitch machine	SET	50
8.	Overlook machine	SET	100
9.	Armhole machine	SET	15
10.	Computer pocket machine	SET	8
11.	Button hole machine	SET	15
12.	Electronic evelet machine	SET	8
13.	Snap machine	SET	30
14.	Double chainstitch machine	SET	28
15.	1 Needle lockstitch with edge trimmer	SET	30
16.	Loop machine	SET	4
17.	Cutting Knife lock stich machine	SET	30
18.	Interlock machine	SET	8
19.	Blind stich machine	SET	18
20.	Standing machine	SET	12
21.	Iron table	PCS	150
22.	Steam iron table	PCS	30
23.	Stream iron	PCS	30
24.	Bar tacking machine	SET	10

No.	Particular	Unit	Quantity
25.	Electronic button machine	SET	10
26.	Dehumidifier	SET	8
27.	Hydraulic machine	SET	6
28.	Electronic scale	SET	5
29.	Inkjet plotter	SET	2
30.	Templet cutting machine	SET	1
31.	Steam Boiler (2 TON)	SET	1
32.	FRP suction fan	SET	80
33.	Water curtain system	SQM	1
34.	Fabric Inspection Machine	SET	1

Table 3-5 List of Factory Accessories/ Machinery (Imported)

No.	Particular	Unit	Quantity
1.	Cutting Table	PCS	84
2.	Auto cutting table	PCS	16
3.	Piece cart	PCS	20
4.	Hydraulic machine	SET	6
5.	Stainless valve	PCS	200
6.	Open table	PCS	12
7.	High-low inspect table	PCS	12
8.	Inspect table	PCS	30
9.	Position table	PCS	3
10.	Rack	PCS	60
11.	Pack table	PCS	90
12.	Wheel table	PCS	100
13.	Cutting table	PCS	20
14.	Cutting cart	PCS	20
15.	Pieces table double	PCS	84

No.	Particular	Unit	Quantity
16.	Pieces table single	PCS	560
17.	Air pressure tank	PCS	1
18.	UPS	PCS	1
19.	Compensate cabinet	PCS	1
20.	Convert cabinet	PCS	2
21.	Air compressor	PCS	1
22.	Water Purifier	SET	1
23.	Spray line groove 200*100 (Including accessories)	SET	14
24.	Spray line groove 100*100 (Including accessories)		9
25.	Spray line groove 100X50 (Including accessories)	SET	4
26.	Explosion proof lamp T8 45W	PCS	14
27.	Seamless steel pipe	PCS	15
28.	Generator 625 kVA		1
29.	Generator 350 kVA		1
30.	Generator 62.5 kVA		1
31.	Transformer (500 KVA)	SET	1

Table 3-6 List of Office Equipment, Furniture & Fixture Purchase in Local

No.	Particular	Unit	Quantity
1.	Vehicle (CUICK)	SET	3
2.	Computer	SET	10
3.	Copy machine	PCS	1
4.	Printer	PCS	5
5.	Attendance machine	PCS	1
6.	CCTV		1
7.	Audio system	PCS	1
8.	Air conditioner		30
9.	TV	PCS	20

No.	Particular	Unit	Quantity
10.	Telephone	PCS	30
11.	Table	PCS	50
12.	Chair	PCS	80
13.	Meeting table	PCS	3
14.	File box	PCS	10
15.	Safe box	PCS	3
16.	Sofa	SET	2
17.	Tea table	PCS	2
18.	Projector	PCS	2
19.	Needles	вох	2000
20.	Bed	PCS	20
21.	Table	М	338
22.	LED lamp	UNIT	1
23.	Eight holes socket (With bottom box)	SET	3
24.	The fire box		25
25.	Cable YJV1* 240 mm²	М	14
26.	Cable YJV1* 185 mm²	М	10
27.	Cable YJV1* 150 mm ²	М	9
28.	Cable YJV1* 120 mm ²	М	7
29.	Cable YJV1* 70 mm ²	М	4
30.	Cable YJV1* 50 mm ²	М	3
31.	Cable YJV1* 35 mm ²	М	2
32.	Cable YJV1* 25 mm ²		2
33.	Cable YJV1* 16 mm ²		1
34.	Stool		700
35.	10 li tie rod	PCS	4
36.	PVC Circular tube	PCS	5

No.	Particular	Unit	Quantity
37.	PVC 1/2 2.0 MM	PCS	4
38.	A security exit 220V 50 HZ	UNIT	7
39.	Emergency lighting 220V 50HZ LED	UNIT	7
40.	LED lights T8 18W	SET	4
41.	Power cabinet	SET	2850
42.	Distribution box	PCS	185
43.	Galvanized steel pipe	PCS	6
44.	DN 100 Galvanized pipe	PCS	10
45.	BVV 10mm ²		70
46.	BVV 2.5mm ²	BALE	15
47.	BVV 6mm ²		40
48.	BVV 4mm²		25
49.	BVV 1.5mm ²	BALE	10
50.	Iron	PCS	100

3.4.6. Human Resource

The proposed Factory of **Guohua Glory Company Limited** has most of the employees are local people, who manage the company by their dynamic, enthusiastic, experienced, and cooperative skills. Currently, one shift (Monday to Friday 8 Am to 4:30 Pm + Saturday 8 Am to 12 Am hours) of production is running or operating. Human resource required by foreign experts/technicians and local persons for administrative and production process are about **1303** persons.

Table 3-7 Employment Schedule of Guohua Glory Company Limited

No.	Particular	Total
1.	Female (Foreigner + Local)	1159 + 6
2.	Male (Foreigner + Local)	132 + 6
	Sub Total	1303

3.4.7. Sources of Water Access and Consumption

Shwe Pyi Thar Township has no centralized water supply system and the factory gets water from the three tube wells installed inside the factory compound. Groundwater from these tube wells is pumped into the one water storage tank (5m x 5m x 4.8m| 2,600 gallons) for the factory and domestic use. The main water use in the project is for domestic usage such as personal washing, washing of utensils and emergency water for fire-fighting system. The depth of tube wells is about 80 feet and

coordinates are at 16°58'34.60"N, 96°2'59.46"E. Factory has drinking water purification system and main source of water supply will be provided by tube well water in which tube well water is pumped by 2 inches PVC pipe.

Sr No.	Water Resource	Total Storage
1.	Groundwater from tube well	26,400 gallons

Sr No.	Usage	Daily use (gallons)	One month use (gallons)	One year use (gallons)
1.	Industrial Water Usage	12,180	365,400	4,384,800
2.	Domestic use of water	766	22,980	275,760
3.	Drinking water	12,946	388,380	4,660,560
Total		25,892	427,210	9,321,120











Figure 3-8 Water Storage Tank and Drinking Water Supply Photos

3.4.8. **Boiler**

Guohua Glory Company Limited used the steam boiler for factory operation as an energize. Wood Pellets is used as a fuel for this boiler and consumed 10m³ per day. The factory purchases firewood fuel from Yangon Boiler Factory Company Limited, located in Hlaing Thar Yar Industrial Zone (2) of Hlaing Thar Yar Township. The ash produced is disposed of once a week during boiler cleaning. The waste ash is produced once or sometimes twice a day, and it is given to nearby carriers. This boiler ash does not reach the atmosphere because an ash catch tank has been installed below. The stack

height of the boiler is about (12 ft \times 35 ft). The amount of water for boiler is about 20,000 Liters per month. The boiler certificate of operation is attached in **Appendix E.**

Table 3-8 Specification of Boiler

Type of Boiler	Haite Boiler
Model No.	DZG2-1.25-S
Rated Steam Output	2 t/h
Rated Steam Temperature	194°C
Related Stream Pressure	1.25 MPa

















Figure 3-9 Boiler and Storage of Boiler Fuel (Wood Pellets) Photos

3.4.9. Electricity and Fuel Requirement

The proposed project is intended to get required electricity supply form Yangon City Electricity Supply Board (YESB) and distributed by **500 kVA** Transformers. Another source of energy **625 kVA**, **350 kVA** and **62.5 kVA** generators will also be kept as the emergency generator if normal electricity supply could not provide for the proposed project. Estimated electricity usage is about **88,704** units per month.

Required petrol and diesel for vehicles and generator are purchased from the nearest petrol station and store in generator room. Fuel requirement for proposed **Guohua Glory Company Limited** is about **6000** liters per month.





















Figure 3-10 Electricity Facilities and Fuel Storage Photos

3.4.10. Facilities

3.4.10.1. Fire hazards protect facility

The project proponent has provided 233 fire extinguishers and fire hydrants on the walls of the factory for fire emergency cases. The emergency contact numbers of township and district fire services department must be printed and tagged at easily visible places for fire emergency cases. The emergency fire alarms are installed at the factory for alerting the workers in case of fire. Groundwater from the tube well is pumped in the storage tank (10ft x 5ft x 6ft) with a capacity of (18000) gallons of water for firefighting facility. The main entrances and route for emergency cases of the factory must not be blocked with materials or machines for fire emergency cases. Fire-frightening system of Guohua Glory Company Limited are mentioned in Figure 3-11.













Figure 3-11 Firefighting System Photos

3.4.10.2. Toilet facilities

Currently toilet facilities have hygienic toilets already provided and categorized by gender, marked distinctly for men and women by signs and symbols. In addition, toilet areas will also be provided with water sinks, necessary toiletries, and hand washing soaps and waste bins. Total numbers of toilets for **male** are **9** rooms and for **female** are **38** rooms.





Figure 3-12 Toilet Facility Photo

3.4.10.3. Medical and Health Facility for Employees

The factory has first aid kit boxes to treat employees for minor injuries, sickness and emergency medical care. Moreover, these medicines and first aid kits are provided for workers.





Figure 3-13 First Aid Kit Box Photos

3.5. DECOMMISSIONING PHASE

In the decommissioning phase, the factory will uninstall and remove of the machinery and equipment is properly and carefully perform to prevent injury and accident, and will follow the relevant law, rules and regulations to reduce the impacts on the environment. The buildings and land will continue to be used in other ways.

4. BRIEF DESCRIPTION OF SURROUNDING ENVIRONMENT

The purpose of this chapter is to predict how environmental and socio-economic conditions will affect because of the implementation of the proposed Project. This requires a sound understanding of the baseline conditions at the project site, which established through desktop study research, site surveys, primary data collection and projections for future developments. Findings provide the current and future characteristics of the project site and the value and vulnerability of the key environmental and socio-economic resources and receptors. The following sections provide a description of the environmental and socio-economic aspects of the project.

4.1. PHYSICAL COMPONET

Shwe Pyi Thar Township coordinates between 16° 58′ 10″ N, 96° 4′ 41″ E. Township map of Shwe Pyi Thar Township is shown in Figure 4-1.

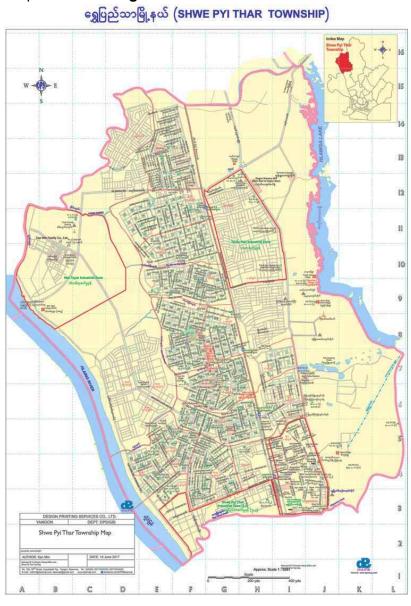


Figure 4-1 Shwe Pyi Thar Township Map

4.2. METHODOLOGY FOR DATA COLLECTION AND ANALYSIS

The followings methodologies are used for Environmental Management Plan (EMP) for this report preparation;

- Onsite Measurements and Analysis Baseline parameters such as Indoor temperature, humidity, operation light conditions, noise, air and water quality of the project site during operation phase were measured onsite. The analyzed results are mentioned in this chapter.
- Secondary data collection of proposed project site area Socio economic condition, physical/biological environment, and weather data are collected from official township data of Shwe Pyi Thar Township, Yangon Region.

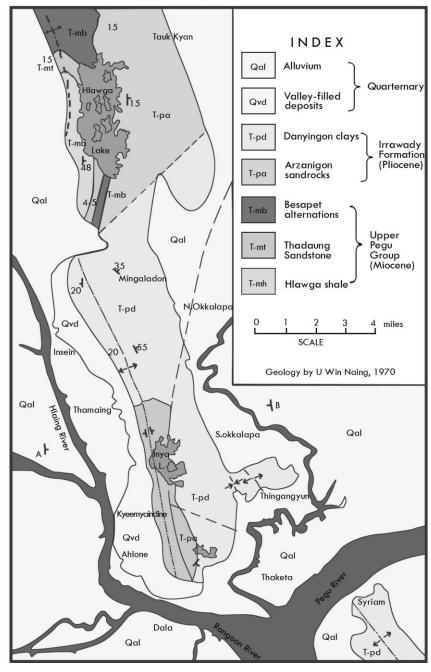


Figure 4-2 Geological Map of Yangon Region

4.2.1. Topography

The proposed project area is situated in Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, Yangon Region, and its topographic condition is flat. The proposed project site is primarily agricultural land, but now is initiated into the industrial zone area.

4.2.2. Climate conditions

4.2.2.1. Average Weather in Yangon

In Yangon, the wet season is oppressive and overcast, the dry season is muggy and partly cloudy, and it is hot year-round. Over the course of the year, the temperature typically varies from 67 °F to 97 °F and is rarely below 62 °F or above 101 °F.

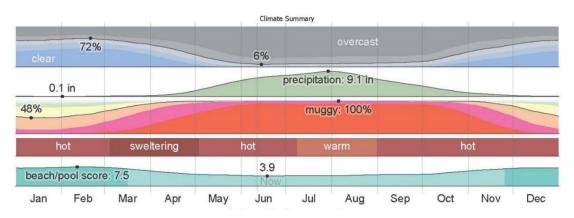


Figure 4-3 Climate Summary of Yangon Region

4.2.2.2. Temperature

The hot season lasts for 2.0 months, from March 2 to May 3, with an average daily high temperature above 95 $^{\circ}$ F. The hottest day of the year is April 11, with an average high of 97 $^{\circ}$ F and low of 78 $^{\circ}$ F.

The cool season lasts for 3.9 months, from June 2 to September 29, with an average daily high temperature below 87 °F. The coldest day of the year is January 10, with an average low of 67 °F and high of 88 °F.



Figure 4-4 Average Temperature of Yangon Region

4.2.2.3. Clouds

In Yangon, the average percentage of the sky covered by clouds experiences extreme seasonal variation over the course of the year. In clearer part of the year in Yangon begins around November 2 and lasts for 5.6 months, ending around April 22. On February 20, the clearest day of the year, the sky is clear, mostly clear, or partly cloudy 72% of the time, and overcast or mostly cloudy 28% of the time.

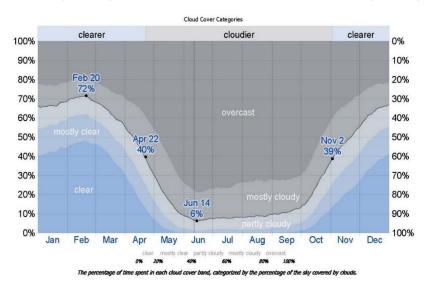


Figure 4-5 Cloud Cover Categories

4.2.2.4. Rainfall

To show variation within the months and not just the monthly totals, we show the rainfall accumulated over a sliding 31-day period centered around each day of the year. Yangon experiences extreme seasonal variation in monthly rainfall. The rainy period of the year lasts for 7.7 months, from April 5 to November 28, with a sliding 31-days rainfall of at least 0.5 inches. The most rain falls during the 31 days centered around July 30, with an average total accumulation of 9.1 inches. The rainless period of the year lasts for 4.3 months, from November 28 to April 5. The least rain falls around February 1, with an average total accumulation of 0.1 inches.

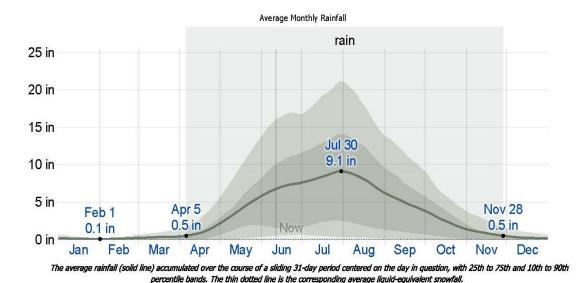


Figure 4-6 Average Monthly Rainfall at Yangon Region

Table 4-1 Yearly Status of Rainfall and Temperature

Year	Rainfall		Temperature		
rear	Raining Day	Rainfall Value	Summer Season Max (°C)	Winter Season Min (°C)	
2015-2016	105	84.91	34	30	
2016-2017	116	85.89	34	30	
2017-2018	97	86.70	38	30	
2018-2019	69	1320	41	30	

Source: Department of Administrative Shwe Pyi Thar Township, Regional data (www.gad.gov.mm.com)

4.2.3. Humidity

We base the humidity comfort level on the dew point, as it determines whether perspiration will evaporate from the skin, thereby cooling the body. Lower dew points feel drier and higher dew points feel more humid. Unlike temperature, which typically varies significantly between night and day, dew point tends to change more slowly, so while the temperature may drop at night, a muggy day is typically followed by a muggy night.

Yangon experiences extreme seasonal variation in the perceived humidity. The muggier period of the year lasts for 10 months, from February 22 to December 23, during which time the comfort level is muggy, oppressive, or miserable at least 61% of the time. The muggiest day of the year is August 5, with muggy conditions 100% of the time. The least muggy day of the year is January 11, with muggy conditions 48% of the time. In February 02, 2023, the weather condition of proposed project is 38.64°C average temperature and 48.14% average humidity as shown in **Figure 4-7**.

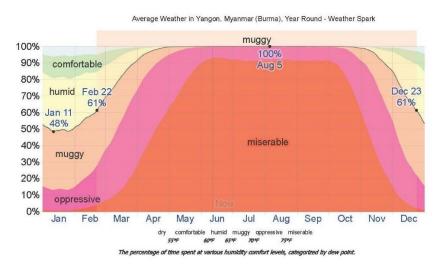


Figure 4-7 Humidity of Yangon

4.2.3.1. Wind

This section discusses the wide-area hourly average wind vector (speed and direction) at 10 meters above the ground. The wind experienced at any given location is highly depended on local topography and other factors, and instantaneous wind speed and direction vary more widely than hourly averages. The average hourly wind speed in Yangon experiences significant seasonal variation over the

course of the year. The winder part of the year lasts for 4.1 months, from May 1 to September 4, with average wind speeds of more than 8.2 miles per hour. The windiest day of the year is June 24, with an average hourly wind speed of 10.6 miles per hour. The calmer time of year lasts for 7.9 months, from September 4 to May 1. The calmest day of the year is January 9, with an average hourly wind speed of 5.8 miles per hour.

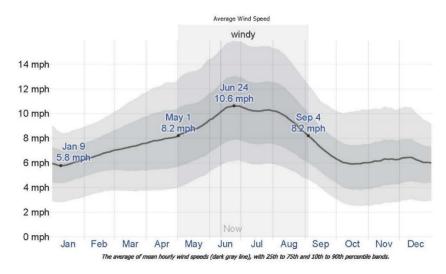


Figure 4-8 Average Wind Speed in Yangon

4.2.4. **Geology**

The Yangon area is underlain by alluvial deposits (Pleistocene to Recent), the non-marine fluvial tile sediments of Irrawady formation (Pliocene), and hard, massive sandstone of Pegu series (early-late Miocene). Alluvial deposits are composed of gravel, clay, silts, sands and laterite which lie upon the eroded surface of the Irrawaddy formation at 3-4.6 m above mean sea level (MSL). The rock type in Yangon is mainly soft rocks, which consist of sandstone, shale, limestone and conglomerate.

4.2.4.1. Hydrogeology

Yangon is rich in groundwater resources conserved by unconsolidated Tertiary-Quaternary deposits. In Yangon, groundwater is mostly extracted from Valley filled deposits and Ayeyarwady sandstones.

Groundwater: Groundwater availability is generally based on the distribution of permeable and relatively impermeable rocks. The nature of openings in the rocks determines permeability of rocks. Based on local geological considerations, potential groundwater source of Yangon can be roughly divided into two sub regions, namely the low potential area and high potential area. Low potential areas are areas with those rock units of Hlawga Shale, Thadugan Sandstones and Basepet Alternation of upper Pegu Group (Miocene epoch) and Danyingon Clays of Irrawaddy rocks. These rocks and formations are a dense, massive and consolidated nature and have impervious characteristic. High potential areas are underlain by Pliocene Series and recent Formations. High potential area covers approximately 85 percent of the Yangon city including Pabedan. Stand pipe piezometers were installed at a depth of up to 30 m from the existing ground level while a pumping well was installed upon completion of the soil investigation works. Based on the results recorded up to the 8th of December 2012, stabilized groundwater level was observed to range between 0.49 m MSL to -1.81 m MSL4.

Water Supply: The Yangon City Development Committee (YCDC) has an overall responsibility for the management and distribution of water for Yangon City. Presently, YCDC's water supply is

obtained from two main sources: (1) reservoir (Hlawga, Gyobu, Pugyi and Ngamoeyeik reservoirs) and, (2) groundwater from YCDC's tube wells. Water from these sources is utilized to varying degrees. Areas not supplied with water from the YCDC rely on shallow surface wells and private boreholes. Water supply for the Project Site will be obtained from onsite borewells for both construction and operations due to the poor reliability of municipal supply. Permitting is part of the Planning Consent Application currently underway. The boreholes will be provided and operated by the Developer.

Hydrology: The Project Site lies along the catchment of the Pazundaung River which flows east of the site in a southerly direction to converge into the Yangon River. The Yangon River (also known as the Rangoon River or Hlaing River) is formed by the confluence of the Pegu and Myitmaka rivers and flows into the Gulf of Martaban which is part of the larger Andaman Sea. The river flows along a 40 km stretch flowing from southern Myanmar as an outlet of the Ayeyarwady River into the Ayeyarwady delta. A small portion of the Bago River (the estuary) lies within the Yangon Division. The Pazundaung Creek and Bago River joins the Yangon River and from there, flow towards the southwestern direction into Andaman Sea. [2]

4.2.5. Environmental Baseline Study

The field observation for determining the environmental baseline of the proposed project area was undertaken during operation period. The survey team consists of the senior consultant and environmental quality team. The baseline data collected regarding the environmental condition of the project area was conducted in the following section.

Table 4-2 Location of the Survey Point

Type of Survey	Coordinates	Survey Point	Description of Survey Point
Air Quality Monitoring Point (AQM)	16°58'39.43"N 96° 3'5.71"E	Project site	Outside of the factory building
Light Measurement (Lux)	16°58'38.60"N 96° 3'5.56"E 16°58'35.18"N 96° 3'2.32"E 16°58'35.05"N 96° 3'3.13"E 16°58'37.54"N 96° 3'5.55"E 16°58'37.16"N 96° 3'5.97"E 16°58'38.12"N 96° 3'5.02"E	Project site	Warehouse Area, Cutting Area, Sewing Area, Quality Control Area, Ironing Area, Packaging Area
Noise	16°58'36.55"N 96° 3'4.61"E	Project Site (Indoor Area)	(Indoor Area)

Stack Emission	16°58'38.92"N 96° 3'6.30"E	Project site	Generator Room
Stack Emission	16°58'38.65"N 96° 3'6.64"E	Project site	Boiler Room

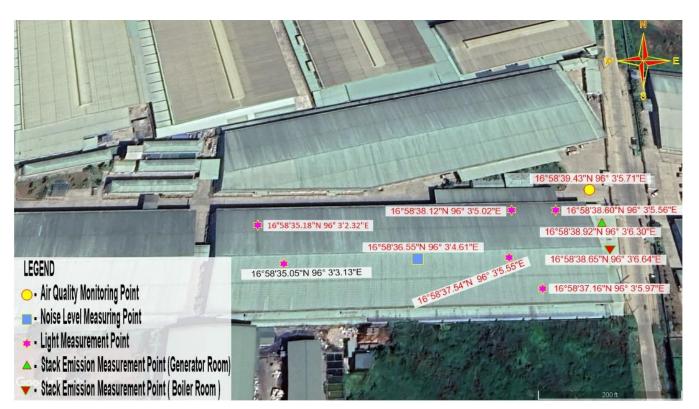


Figure 4-9 Monitoring Location Map

4.2.6. Air Quality

The air quality monitoring was conducted within the project area from 23rd November 2023. The measurement location points are situated at latitude 16°58'39.43"N and longitude 96°3'5.71"E (Outdoor). To reveal the existing status of baseline air quality, the average outdoor air quality measured were compared with National Environmental Quality (Emission) Guideline. It was observed that the air quality measurement results are within the National Environmental Quality (Emission) Guideline.

4.2.6.1. Methodology and Approach

The ambient air quality and meteorological parameters was monitored by using air quality monitoring system (AQM-09) which provides direct reading in real time with data-logging capabilities. Sampling rate or air quality data will be measured automatically every five minutes and directly read and recorded onsite.

Primary data on ambient air quality measurement was done at one location in the project site compound during field survey as shown in **Figure 4-10**. The measurement will be conducted for 24-hour at the location in the project site as shown in **Table 4-3**. The parameters to be monitored are ozone (O_3) , nitrogen dioxide (NO_2) , Sulphur dioxide (SO_2) , carbon monoxide (CO), particulate matters $(PM_{10}$ and $PM_{2.5})$ and Total Suspended Particulate (TSP). In addition, climate parameter such as temperature, humidity, wind speed and direction were also measured as same schedule with air quality monitoring.

Table 4-3 Air Quality Measurement Result

Parameters	Observed value	Guideline value	Unit	Guideline	Period		
	Outdoor Air Quality						
PM ₁₀	16.07	50	μg/m³	NEQEGs	24 hrs		
PM _{2.5}	11.11	25	μg/m³	NEQEGs	24 hrs		
Nitrogen dioxide	19.25	200	μg/m³	NEQEGs	1 hr		
Sulfur dioxide	2.28	20	μg/m³	NEQEGs	24 hrs		
Ozone	19.68	100	μg/m³	NEQEGs	8 hrs		
Carbon Monoxide	0.5	-	μg/m³	NG	24 hrs		
TSP	20.33	-	μg/m³	NG	24 hrs		

*NG = No Guideline





Figure 4-10 Air Quality Measurement Photos

4.2.7. Weather Condition

The weather condition during 23rd November 2023 shows the average temperature of **33.2°C** while the average humidity is **61.29** % and its cloudy day.

Table 4-4 Relative Humidity and Temperature Measure at Proposed Project

Date and Time	Description	Result value	Environmental parameter air station guideline
23 November 2023	Relative Humidity RH %	61.29 %	Present condition
(10:00 am to 4:00 pm)	Temperature	33.2°C	Present condition

4.2.8. Light

The light intensity was measured at operation area and quality control area on 23rd November 2023. The average light intensity in the project area is presented in **Table 4-6** compared with the lighting handbook. According to the monitoring results, light level is normal condition according to the NEQ guideline that's why some places need to reduce the light level and ought to put on the electricity bulb more over the higher places. On the other hand, some places are a bit lower than the NEQ guideline that is why which need to change like a more powerful light bulb in that light level lower places. In this way is able to adjust the light pollution of this factory.

4.2.8.1. Methodology and Approach

The light intensity was measured at three sections of operation area such as untying hair knot area, unwrapping the hair area, and size classification area. The UT-382 light meter is placed in the designated area intended to measure light, and hold the sensor of the light meter towards the light source. Sampling rate is 100 times per second. The display will show the light intensity reading in lux, and take note of the reading displayed on the screen for the measurement.

UT-382 Specification

Specifications	Resolution	UT382		
	20 lux	± (3%+20)		
	200 lux	± (3%+8)		
illuminance measurement (Lux)	2000 lux	± (3%+8)		
	20000 Lux	± (3%+8)		
	2 Fc	V		
W	20 Fc	$\sqrt{}$		
illuminance measurement (Fc)	200 Fc	V		
	2000 Fc	$\sqrt{}$		
	Features			
Display count		2000		
Auto range		V		
Data hold		V		
Auto power off	Around 10 minutes	V		
Low battery indication	Around ≤7.1V	V		
MAX/MIN mode		V		
Data storage		2044		
USB interface		V		
Auto record time setup		V		
Real-time clock		\checkmark		
	General Characteristics			
Power	9V batte	ery (6LF22)		
Display	22.5mm	x 32.5mm		
Product Color	Red a	and grey		
Product net weight	185 g			
Product size	195mm x 45mm x 26mm			
Standard accessories	Carrying bag, USB interface cable, PC software CD			
Standard individual packaging	Blister, gift box, English manual			
Standard quantity per carton	20 pcs			
Standard carton measurement	447 mm x 300mm x 335mm			
Standard carton gross weight	7kg			

Table 4-5 IESNA Lighting Handbook

Department	Type of Light	Wattage of Light	Lux Level
Warehouse	Fluorescent tube light	40 W	300
Sewing floor	LED tube light	20 W (T8)	400
Cutting floor	LED tube light	22 W (T8)	1000
Finishing	LED tube light	28 W (T8)	600
Inspection points	Inspection points LED tube light		900 (except 1500 at audit tables)
Sampling	LED tube light	22 W (T8)	500
Office areas	Fluorescent tube light	36 W (T)	300

Table 4-6 Result of Light Measurement in GuoHua Glory Company Limited

No.	Location	Measured Value (Lux)	Standard*
1	Warehouse Area	192.3	300
2	Cutting Area	840	1000
3	Sewing Area	820	400
4	Quality Control Area	1255	1500
5	Ironing Area	634	500
6	Packaging Area	735	600









Figure 4-11 Light Quality Measurement Photos

4.2.9. **Noise**

The Noise level was measured at one station within the project area on 23rd November 2023. The average noise level in the project area is presented in **Table 4-8** compared with the NEQEGs. According to the noise results, noise levels are within the acceptable level of National Environmental Quality (Emission) Guideline.

4.2.9.1. Methodology and Approach

The noise was measured at project site area and manufacturing of garment on CMP Basis materials operation area. Sound Pressure Level (LAeq dB) at two stations was done at the target receivers during field survey. Measurement of noise level was conducted by referring to the recommendation of International Organization for Standardization (ISO), i.e ISO 1996-1:2003. Sound level meter (GM-1356) was utilized. The instrument used for noise measurement was set at the height of 1.2 m. A-weighted loudness equivalent level is measured automatically every 1 minutes and recorded in a memory card. The detail of sound equipment GM – 1356 is shown in **Table 4-7.**

Table 4-7 Technical Features of GM – 1356

Sound Level Meter	GM - 1356			
Measurement range	30~130dBA、35~130dBC			
Accuracy	±1.5dB (reference sound pressure standard, 94dB@1KHz)			
Frequency response	31.5Hz~8.5KHz			
Resolution	0.1dB			
Measuring level	30 to 80, 50 to 100, 60 to 110, 80 to 130, 30 to 130			
Dynamic range	50dB/100dB			
Overload indication	OVER / UNDER			

Frequency weighting characteristic	A and C
Digital display	4 digits
Analogy bar graph	1dB/1 bar graph
Sampling rate	FAST:8times/second; SLOW:2times/second
AC signal output	4Vrms/ full bar graph, output impedance is about 600 ohms
PWM signal output	Duty cycle =0.01X dB value/3.3 x 100 %
Dyna mic characteristic	FAST (high speed)/SLOW (low speed)
Calendar accuracy	±30seconds/day
Data storage quantity	4700
The maximum value holding	MAX
Auto power off	10 minutes without operation
Microphone	1/2inch polarization capacitance microphone
Power supply	6V (4PCS 1.5V Alkaline battery)
Dimension	70x35x256mm
Weight	244G (Without battery)
Battery life	24h continuous use (Alkaline batteries)

Table 4-8 Noise Level Measurement Result

Date and Time	Location	GPS Value	Result Value	NEQEGs Value
23 rd November 2023	Indoor Area	16°58'36.55"N	69.8 dBA	70 dBA
(10:00 am to 4:00 pm)	illuool Alea	96° 3'4.61"E	03.0 UDA	70 UDA



Figure 4-12 Sound Level Measurement Photos

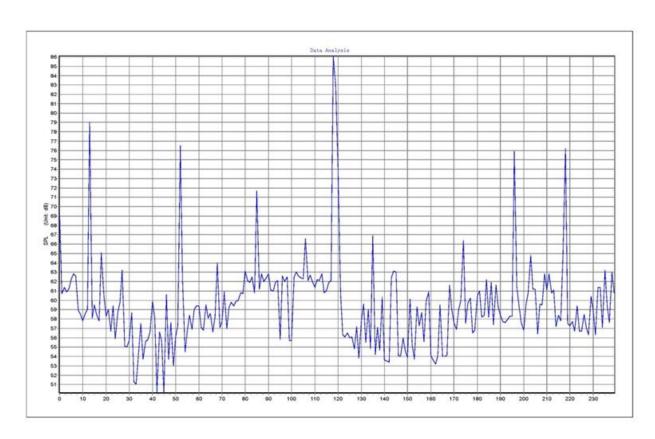


Figure 4-13 Noise Level Result Graph

4.2.10. Stack Emission

The observation was tabulated and analyzed section wise to understand the environmental status prevailing in the units considered for the study. It was observed that NO_2 , SO_2 , CO_2 and CO are within OSHA standard. The detail of stack emission measurement result is shown in **Table 4-10** and **Table 4-11**.

4.2.10.1.Methodology and Approach

The stack emission was measured at the generator exhaust within the project area and used OCEANUS (OC-1000 gas and dust particle detector). In this measurement, the sampling probe of the instrument is placed close to the generator exhaust to capture representative gas emissions. The instrument analyzes the gas sample using its sensor array, and the sampling rate is six times per minute automatically. It will detect and quantify the concentrations of specific gases present in the sample, such as Carbon Dioxide (CO2), Sulphur Dioxide (SO2), Nitrogen Dioxide (NO2), Carbon Monoxide (CO). The detail of OCEANUS (OC-1000 gas and dust particle detector) is shown in **Table 4-9**.

Table 4-9 Technical Parameter of OCEANUS (OC-1000 gas and dust particle detector)

		oo (oo roos gas arra aa	p	,	
Product	Multi gas and dust particle detector				
Measuring Range	Referring to the gas list				
Resolution	Referring to the gas list				
Gas type	At most for 5 sensors, the	e gas type will be according	g to you	ur requirements.	
Particle counter	Particle size of 0.3 µm, 1	0 μm (optional)			
Measuring range	Temperature: -4~120°C, I	Humidity: 0-100%RH			
Testing mode	Pump-suction, inner pum the vacuum environment	np, adjustable flow range (5	500-100	00mL L/min), workable for	
Accuracy	≤±3% F. S	Linearity:		≤±1% F. S	
Response time:	≤20s (T90)	Zero drift:		≤±1% (F.S/year)	
Recovery time:	≤20s	Repeatability: ≤±1% F. S			
Testing mode:	Real-time detecting or Ti	ming detecting is adjustabl	e.		
Data storage:	Automatic storage or ma capacity.	nual storage is adjustable;	About	100000 group of data	
Explosion-Proof grade:	Ex is IIC T4	Case Material	ABS-	+PC	
Protection grade:	IP66	Working temperature:	-30~	60°C	
Working power:	4000 mA rechargeable Working humidity: ≤95%RH (non-condensing)				
Size and weight:	220*85*55 mm (LxWxH) 0.5 Kg (Net Working pressure: -30Kpa~100Kpa weight)				
Accessory:	Dust filter, box, instruction, USB charger, data line, calibration cap				

Table 4-10 Boiler Stack Emission Measurement

Date	Location	Parameter	Observed Value	OSHA Guideline	Unit	Averaging Period
23 rd		CO ₂	468	5000	ppm	8 Hour
November	16°58'38.65"N 96° 3'6.64"E	SO ₂	0.01	5	ppm	8 Hour
2023	90 30.04 E	NO ₂	0	5	ppm	8 Hour

СО	0.79	50	ppm	8 Hour
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OSHA = Occupational Safety and Health Administration Guideline

Table 4-11 Generator Stack Emission Measurement

Date	Location	Parameter	Observed Value	OSHA Guideline	Unit	Averaging Period
	16°58'38.92"N er 96° 3'6.30"E	CO ₂	403	5000	ppm	8 Hour
23 rd		SO ₂	0.03	5	ppm	8 Hour
November 2023		NO ₂	0.01	5	ppm	8 Hour
		СО	0.40	50	ppm	8 Hour

OSHA = Occupational Safety and Health Administration Guideline





Figure 4-14 Boiler Stack Emission Measurement Photos





Figure 4-15 Generator Stack Emission Measurement Photos

4.2.11. Water Quality Testing

Factory has drinking water purification system and drinking water quality has been already tested at the National Health Laboratory by using reference as Guidelines for Drinking-Water Quality, 4th ed. WHO, Geneva: 1993 and it is within maximum permissible limit. According to the drinking water analysis results seen in **Table 4-12** and **Appendix**.

Table 4-12 Drinking Water Quality Laboratory Results

	,,,						
No.	Parameter	Unit	Water result	Maximum Permissible Limit			
1.	рН	-	7	6.5-8.5			
2.	Colour (True)	TCU	Nil	15			
3.	Turbidity	NTU	Nil	5			
4.	Conductivity	Micro S/cm	36				
5.	Total Hardness	mg/l	4	500			
6.	Calcium Hardness	mg/l	2				
7.	Total Alkalinity	mg/l	12				
8.	Phenolphthalein Alkalinity	mg/l	Nil				
9.	Carbonate (CaCO ₃)	mg/l	Nil				
10.	Bicarbonate (HCO ₃)	mg/l	12				
11.	Iron	mg/l	0.04	0.3			
12.	Chloride	mg/l	7	250			
13.	Sodium Chloride	mg/l	12	-			
14.	Sulphate	mg/l	Nil	500			
15.	Total Solids	mg/l	18	1500			
16.	Total Suspended Solids	mg/l	Nil	1000			
17.	Total Dissolved Solids	mg/l	18	1000			
18.	Manganese	mg/l	Nil	0.05			
19.	Phosphate	mg/l					
20.	Phenolphthalein Acidity	mg/l	2				
21.	Methyl Orange Acidity	mg/l	Nil				
22.	Salinity	ppt	0.1				

4.2.12. Domestic Wastewater Quality

The parameters such as pH, Temperature, Colour, TSS, BOD, COD, Oil & Grease are measured. According to the analyzed result, all the parameters are within the guidelines. Laboratory analysis results can be seen in **(Appendix)** for domestic wastewater.

Table 4-13 Domestic Wastewater Quality Laboratory Results

Parameter	Unit	Result	Guideline
рН	S. U	6	6.5 – 8.5
Temperature	°C	28.9	±3
Colour	HU	14	-
TSS	mg/L	18	≤ 50
BOD	mg/L	7	≤ 50
COD	mg/L	38	≤ 250
Oil & Grease	mg/L	4	≤ 10

4.3. SOCIO-ECONOMIC ENVIRONMENT (SECONDARY DATA)

4.3.1. Population

Guohua Glory Company Limited is located across Shwe Pyi Thar Township in Yangon Region. In September 2019, the population of Shwe Pyi Thar Township is about 284,922 people as present in **Table 4-14.**

Table 4-14 Population of Males and Females at Shwe Pyi Thar Township (2019)

	Over 18 years old			Und	ler 18 years	old	Total			
Item	Males	Females	Total	Males	Females	Total	Males	Females	Total	
Urban	80,330	93,866	174,196	32,429	33,876	66,305	112,759	127,742	240,501	
Rural	15,444	18,964	34,408	4,960	5,053	10,013	20,404	24,017	44,421	
Total	95,774	112,830	208,604	37,389	38,929	76,318	133,163	151,759	284,922	

Source: Department of Administrative Shwe Pyi Thar Township, Regional data (www.gad.gov.mm.com)

Table 4-15 Ethnic Group at Shwe Pyi Thar Township (2019)

Burma	Rakhine	Kayin	Chin	Mon	Shan	Kachine	Kayah	Foreigners
93.896%	2.206%	1.994%	0.609%	0.543%	0.176%	0.119%	0.022%	0.612%

4.3.2. Economic

Among regional towns, Shwe Pyi Thar Township has a variety of businesses and services operating in the community with other businesses/services, based in the region. Most of the source of livelihood in the Township is employment of factory. Services and facilities available include:

- post office
- beauticians-
- butcher
- hairdressers
- furniture and electrical store
- restaurants
- cafes
- · shoe and clothing shops
- · industrial services
- pharmacy

- veterinarian
- bus service
- gift stores
- music store
- pubs and bars
- florist

4.3.3. Health Profile

The diseases of high prevalence reported in 2019 are Diarrhea, Tuberculosis (TB), Dysentery, Hepatitis. With reference to the Township Health Profile 2019 of Shwe Pyi Thar Township, no accidental work injuries reported to the township hospital in 2019. The common diseases are shown in **Table 4-16** and **Table 4-17**.

Table 4-16 Common Diseases in the Shwe Pyi Thar Township

Discoso	Shwe Pyi Ti	har Township
Diseases	Morbidity	Mortality
Hypertension	921	13
Dysentery	6	-
Diarrhea	76	-
TB (Sputum+)	192	-
Hepatitis	392	-
HIV/AIDS	12	-

Table 4-17 Lists of hospital in the Shwe Pyi Thar Township

Hospital Name	Beds/Services	Responsible
Township Hospital	35	Government

Source: Department of Administrative Shwe Pyi Thar Township, Regional data (www.gad.gov.mm.com)

4.3.4. Education

Location of major schools were situated i.e. basic education primary school (B.E.P.S), basic education middle school (B.E.M.S), basic education high school (B.E.H.S) and Computer University in the Shwe Pyi Thar Township. The name and the located village tract/ ward of schools are described in **Table 4-18**.

Table 4-18 List of Major School in Shwe Pyi Thar Township

No.	Name of School	Location
1.	Computer University Yangon	Kyaung Gone Village Tract
2.	BEHS (1)	No.6 Ward
3.	BEHS (2)	Hlawga Village Tract
4.	BEHS (3)	No.8 Ward
5.	BEHS (4)	Zee Gone Village Tract
6.	BEHS (5)	No.9 Ward

No.	Name of School	Location
7.	BEMS (Branch) (2)	No.19 Ward
8.	BEMS (Branch) (3)	No.5 Ward
9.	BEMS (Branch) (4)	No.9 Ward
10.	BEMS (Branch) (8)	No.23 Ward
11.	BEMS (Branch) (11)	No.8 Ward
12.	BEMS (1)	Hlawga Village
13.	BEMS (5)	No.15 Ward
14.	BEMS (6)	No.17 Ward
15.	BEMS (7)	No.9 Ward
16.	BEMS (9)	No.11 Ward
17.	BEMS (10)	No.14 Ward
18.	BEMS (12)	No.10 Ward
19.	BEMS (13)	No.20 Ward

Source: Department of Administrative Shwe Pyi Thar Township, Regional data (www.gad.gov.mm.com)

4.4. BIOLOGICAL COMPONENT (SECONDARY DATA)

There is no forest area, wildlife and wetlands within or around the project compound. The proposed project site is not located in or near a sensitive ecosystem as the proposed project area is situated in Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region. Moreover, desktop review and site visits confirmed the absence of unique or ecologically significant flora and fauna. However, the nearest water body is the Haling River.

4.5. CULTURAL AND VISUAL COMPONENTS (SECONDARY DATA)

4.5.1. Cultural and Religious sites

The different kinds of religion present in Shwe Pyi Thar Township are shown in **Table 4-19**. More than 95% of the people living in the township are Buddhists.

Table 4-19 Religious Status

Township	Buddhist	Christian	Hindu	Muslim	Other	Total	
Shwe Pyi Thar	269,764	7,476	2,601	4,882	199	284,922	

5. ENVIRONMENTAL IMPACT AND MITIGATION MEASURES

5.1. METHODOLOGY FOR THE ASSESSMENTS

The assessment of each impact is based on consideration of the magnitude, duration, spatial and frequency of activities, which are going to be carried out during three phases and characteristics of the project site. The assessment is qualitative and the significance of each impact is classified into 5 categories in overall.

The following methodology has been applied to assess the environmental impacts of the factory mainly on air, water, land, biodiversity, including human beings. Each source of impact has been assessed by four parameters, magnitude, duration, extent and probability and each assess point have 5 scales as mentioned in **Table 5-1**.

Table 5-1 Impact Assessment Parameters and its Scale

A	Scale									
Assessment	1	2	3	4	5					
Magnitude (M)	Insignificant	small and will have no effect on working environment	Moderate and will result in minor changes on working environment	will result in minor changes on working result in significant changes on working						
Duration (D)	0 - 1 year	2 - 5 year	6 - 15 year	Life of operation	Post Closure					
Extent (E)	Extent (E) Limited to the site local area		Limited to the region	National	International					
Probability (P)	Verv		Probable	Highly probable	Definite					

Then, the Significant Point (SP) calculated by following formula.

Significant Point (SP) = (Magnitude + Duration + Extent) * Probability

Impact Significance: Based on calculated significant point, impact significance can categorize as follows:

Significant Point (SP)	Impact Significance
<15	Very Low
15-29	Low
30-44	Moderate
45-59	High
60	Very high

5.2. IMPACT IDENTIFICATION

The development of infrastructure for the proposed project likely to happen changes in the local environment in terms of physical, biological and socio-economic aspects along with the perspective on

both positive and negative impacts. The potential environmental impacts brought by various activities of proposed factory project will be identified and judged by site surveying with checklist, meeting with client team, including plant manager and supervisor, representatives from the factory operators and assessing the environmental baseline information for operation and decommissioning phases along with its mitigation measure.

5.2.1. Positive Impact

During the project implementation, local people can get job opportunities in administrative sectors, office works, transportation sectors, skill and unskilled workers, etc. Due to the implementation of the project, there will be employment opportunities especially for workers from the local community. Employees will also improve more in their professional knowledge and skills. The net effect of job creation is the improvement of the livelihoods and living standards of the beneficiaries and poverty reduction, development of local people's livelihood. Cause of the proposed project is located at Wartayar Industrial Zone, Yangon Region and there may have business opportunities to local people. Local people can have a market by selling foods, snacks and drinks nearby the factory.

5.2.2. Negative Impact

The following **Figure 5-1** briefly described the potential negative impacts of the proposed project. There are four main types of impacts; impact on environmental resources, impact on ecological resource, impact on human and impact of waste generation.

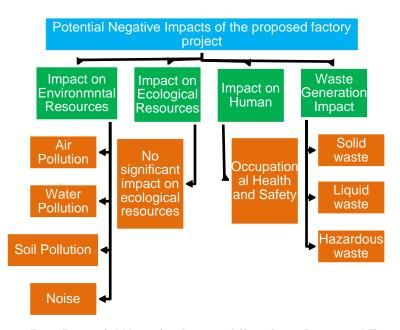


Figure 5-1 Potential Negative Impact Affect from Proposed Factory Project

5.3 PROJECT ACTIVITIES AND ITS SIGNIFICANT IMPACTS

The relative importance of each impact is assessed based on the understanding that general mitigation measures will be integrated into the baseline project. Therefore, when the general mitigation measures reduce impacts to the point of rendering them negligible, they are excluded from further analysis. Once the significance of the impact is established as more than negligible, it is described and additional, specific mitigation measures may be proposed to allow optimal integration of the project into the environment.

Table 5-2 Evaluation and Perdition of Significant Impacts

Table 5-2 Evalua	tion and Perdition of Significant Impacts									
Categories	Project Activities		ignific	ant of		ntial	Impact Significance	Mitigation Measure		
		M	D	Е	Р	SP				
Pre-Construction and (preparation.	Pre-Construction and Construction Phase; It is not assessment in this phase, because of construction is already complete preparation.									
Air Pollution	 Dust and GHGs emission from vehicles used for transporting raw materials and final products Emission from emergency diesel 	3	4	1	3	24	Low	To control air pollution, the vehicles, generators and machineries have to check and maintain regularly. Ensuring vehicles, compressor and		
	generator and vehicle movement							generator are well maintained. Smoke emission should be fitted with the bag filter.		
Water Pollution	Sewage disposed of from the toilets Oil spill and grosse leaks from							Use separate wastewater channels, septic type toilet system.		
	Oil spill and grease leaks from transporting vehicles and equipment used in operation phase	3	4	2	3	27	Low	The drainages around the compound area of the factory have to maintain and clean regularly.		

Categories	Project Activities		ignific	ant of Impac		itial	Impact Significance	Mitigation Measure
		M	D	Е	Р	SP		
								Proper handling and use to prevent oil spillage.
Soil Contamination	Engine oil leaks, spills at diesel storage and during fuel refueling.	1	4	4 1	1	6	Very Low	If there is an oil spill, clean up the area immediately.
								Concrete paving where oil storage tanks are placed.
Noise	Noise from the generating of the emergency generators	3	4	1	3	24	Low	Generators are placed in a separate area with concrete building within the factory area.
	Transportation vehicles							Setting speed limit for vehicles on transport routes.
Fire Hazard	Poor electrical installations waste disposed area	3	4	2	4	36	Moderate	To provide fire extinguishers on the walls of the factory and water storage tank for firefighting for fire emergency cases.
	waste disposed area							Regular inspection for existing firefighting equipment must be done. In case of fire emergency, water

Categories	Project Activities	Significant of Potential Impacts					Impact Significance	Mitigation Measure
		M	D	Е	Р	SP		
								storage tank for fire frightening.
								The emergency fire alarms are installed at the factory for alerting the workers in case of fire.
								The main entrances and route for emergency cases of the factory must not be blocked with materials or machines for fire emergency cases.
Occupational Health and Safety	 Accidental cases cause by operating machines. Electricity and emergency diesel generators. Malfunctioning electrical equipment. Handling chemical and cardboard boxes 	3	4	1	4	32	Moderate	First aid training, safety training, firefighting training or other essential training for machinery handling must be provided for emergency cases of workers.
								According to the observed light intensity values, the proponent provides sufficient lighting for workers for safe working and

Categories	Project Activities		ignific	ant of Impac		ntial	Impact Significance	Mitigation Measure
	•	M	D	Е	Р	SP		
								reducing optical problems of the workers.
								Personal Protective Equipment (PPEs) like mask, earmuffs, helmets and goggles are provided for each department.
								To prevent electric shock hazards, electrical maintenance staff (handyman) is to be assigned to do regular inspections and take preventive measures.
								Manage the drainage systems of the factory to prevent health risk of the workers.
								The maximum allowable noise level for workers is 90dB(A) for 8hours exposure a day. Thus, adequate protective noise impact measures in the form of ear muffs/ear plugs to

Categories	Project Activities	S	ignific	ant of		ntial	Impact Significance	Mitigation Measure
	·	М	D	Е	Р	SP		
								the workers working in high noise areas.
Solid Waste	Plastic WasteCardboard boxesOffice waste	3	4	2	4	36	Moderate	Provides separate garbage bins at each building. All of the solid wastes will be collected separately in garbage based on their types and stored in relevant separated waste storage area. Final wastes should be disposed by using township municipality's service.
Liquid Waste	 Septic system and sewage. Domestic liquid waste disposal Liquid waste from washing and cleaning process 	3	4	2	3	27	Low	Regular inspection and cleaning, oil traps, septic tank and adequate covers for all storage and waste disposal areas can decrease these contaminations.

Categories	Project Activities		ignific	ant of		itial	Impact Significance	Mitigation Measure
	·	М	D	Е	Р	SP		
								Proper inspection and maintenance in storage of hazardous waste.
	 Engine oil leaks, spills at diesel storage and during fuel refueling. Used oil and lubricant discharged from the maintenance of vehicles and machines. Empty chemical containers 							Dispose of hazardous waste and containers in accordance with occupational health, safety and environmental requirements.
Hazardous Waste		3	4	1	3	24	Low	The empty hazardous containers are reused in manufacturing of packaging materials packaging materials operation.
								The hazardous wastes are transported by specially licensed carriers and disposed in a licensed faculty.
Social-economic Condition	Job opportunities for local people	-	-	-	-	-	-	Positive Impact

Categories	Project Activities		ignific	ant of		itial	Impact Significance	Mitigation Measure
	•	M	D	Е	Р	SP		
	Dec	ommis	sionir	ng Pha	se			
Air Pollution	 Demolition activities Transporting of packaging materials equipment and machinery 	3	1	2	2 4	24	Low	Sprinkling water on the top soil can reduce dust emission from the decommissioning activities.
		3				24	LOW	Vehicle movements should be limit and maintain and check the vehicles and machineries regularly.
Water Pollution	Demolition activitiesWaste materialsOil spills from vehicles	2	1	2	3	15	Low	Properly disposed of the waste materials. Manage the spillage of
								oil and diesel.
Soil Contamination	 Waste materials Oil spill from the decommissioning vehicles 		1	1	3	15	Low	Properly disposed of the waste materials. Manage the spillage of oil and diesel.
Noise	 Demolition activities Transporting of packaging materials equipment and machinery 							Carry out the activities during day time.
		3	1	2	3	18	Low	Vehicle movements should be limit and maintain and check the vehicles and machineries regularly

Categories	Project Activities		ignific	ant of		ntial	Impact Significance	Mitigation Measure
		M	D	Е	Р	SP		
Solid Waste	Various kinds of solid waste from decommissioning activities	2	1	1	3	12	Very Low	Recyclable materials and dispose to the define areas.
Hazardous waste	Used lubricants from decommissioning vehicles and machines		1	1	3	12	Very Low	Manage the disposal way of hazardous waste.
Occupational Health and Safety (Accidents, Injuries)	 Handling of equipment and machinery Uninstalling and removal of packaging materials equipment and 		1	2	3	18	Low	Providing the appropriate warning signs, marking and safety signs and injury notice board. Providing PPE to workers.

The assessment of each impact is based on consideration of the magnitude, duration, extent and probability of activities, which are going to be carried out during operation phases. In operation phase, there are 3 moderate significance impact on environment and human (Fire, occupational health and safety and solid waste). 1 very low significant impact on environment (soil contamination). 5 low significant impact on environment and human (air, water, noise, liquid waste and hazardous waste). In decommissioning phase 2 very low significant impact on environment and human (solid waste and hazardous waste). 5 low significant impacts on environmental and human (air, water pollution, soil contamination, noise and occupational health and safety). Significance impacts on environmental and human and detail impact assessment for operation phases and decommissioning can be seen in above tables. All of the impacts during operation phases and decommissioning phase can be minimized by using mitigation measures and implementing Environmental Management Plan.

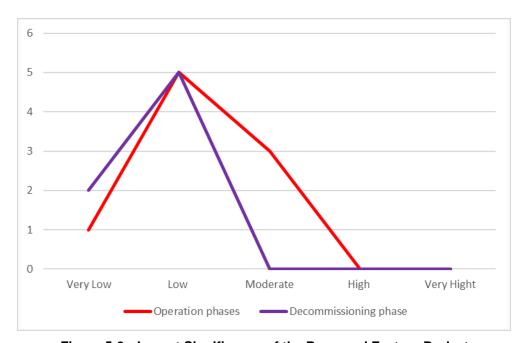


Figure 5-2 Impact Significance of the Proposed Factory Project

5.4 ENVIRONMENTAL IMPACT FOR PRE-CONSTRUCTION AND CONSTRUCTION PHASE

During the EMP study, the factory has been constructed and has started commercial operation at the project site. Therefore, these phases are not considered in the EMP report.

5.5. ENVIRONMENTAL IMPACT AND MITIGATION MEASURES FOR OPERATION PHASE

5.5.1. Air Quality

5.5.1.1. Impact on Air Quality

There is no emission of smoke from the process of production. Dust particles, CO2 and SO2 would be emitted from the activities of loading, unloading and transportation of the raw materials and final product. Various activities as using air conditioners in office building, storage of raw materials, vehicles movements, operating diesel generators would also be a factor slightly affecting to air quality.

Though main electricity source for the factory is the national grid line, sound-proof diesel generators will be set-up in case of electricity shortages. So, 625 kVA, 350 kVA and 62.5 kVA of standby generator will be used for both operation and administration appliances. The proposed project will use **6000** liters per month gallons of diesel for emergency use of generator and vehicle. The following table shows the amount of CO2 emission coming from the combustion of fuels.

Burning diesel or other fuels creates exhaust gasses. Diesel generators produce carbon dioxide (CO2), nitrogen oxide (NOx), and particulate matter. These generators release this into the atmosphere and substantially reduce air quality in the nearby regions. Every liter of fuel has 0.73 kg of pure carbon, 2.6 kg of carbon dioxide released per liter of diesel fuel.

Table 5-3 Category of GHGs Assessment

Category	Range
Negligible	no GHG assessment necessary
Low	< 20 kt/y CO2-equivalent per year
Medium-Low	20 – 100 kt CO2- equivalent per year
Medium-High	100 kt – 1 Mt CO2- equivalent per year
High	>1 Mt CO2-e equivalent per year

Source: EBRD GHG Assessment Methodology, 2010

Table 5-4 CO2 Emission by the Uses of Fuel

No.	Туре	Amount(liters/year)	Equivalent CO2 emission (Kilotons)	Status
1.	Diesel for generator and vehicle	187200	0.18	Negligible

5.5.1.2. Mitigation Measures of Impact on Air Quality

Ventilation system of the factory is enough for the workers. To control air pollution, the vehicles, generators and machineries have to check and maintain regularly. Since the factory compound area is paved with concrete, dust emission from the movements of vehicles and cars is not significant. The project proponent must install good air conditioner system at the office room and toilets to reduce adverse

impacts of indoor air quality. Monitoring and check installed ventilation system. Ensuring vehicles, compressor, air conditioner and generator are well maintained.

5.5.2. Water Quality

5.5.2.1. Impact on Water Quality

During the construction period, water consumption is for implementation of the construction works and domestic water usage by construction workers. Surface water and ground water could be contaminated from the several activities of construction works such as mixing of the concrete, wetting of dry surfaces, washing of the equipment, etc. Moreover, oil spill from the vehicles and machinery can pollute water quality and can enter to the ground water. However, the project factory is already constructed during environmental assessment study and site visit. Therefore, impact on water quality is not assessed for this project.

During operation phase of factory, there is a lot of water use for processing purpose. Tube well is the main source of raw water for factory waster use. The raw water is provided for the whole factory use of general office facilities such as canteen and toilets. Moreover, sewage disposed from the employees, staffs, oils spill and grease leakage from transporting vehicles and machinery equipment used in operating can seriously pollute the quality of underground water source. But the factory plans to use separate waste water channels, septic type toilet system and sewage treatment plants in accordance with YCDC guidelines to avoid potential contaminations and hazards by waste water and sewages. So, it can cause low impact to the water quality.

5.5.2.2. Mitigation Measures of Impact on Water Quality

During the operation phase, water discharge from the factory site will be treated by silts track tank before discharging. Water effluent levels should be within acceptable limit of the National Environmental Quality (Emissions) Guidelines values. The factory plan has canteen and toilet facilities attached in various buildings of the factory. In addition, around the compound area of the project area, drainages are also provided and maintain to flow storm water (rain water, snow and surface water). The compound area of the factory is paved with concrete and the drainages are covered and holes are there to flow the storm water. Besides, the factory plans to use separate wastewater channels, septic type toilet system. Wastewater from the dining room, canteens and toilet facilities are collected in septic tanks and the proponent will connect and cooperate with YCDC to be carried out for disposing of these septic tank wastes. To mitigate the impact on water, the drainages around the compound area of the factory have to maintain and clean regularly. Spillage and leakages of oil and grease should also be minimized.



Figure 5-3 Septic Tank and Drainage System in the Project Area

5.5.3. Soil Quality

5.5.3.1. Impact on Soil Quality

During the construction phase, the excavation works from the construction activities must be the major impact on soil. The soil is compacted by the vehicles and the solid waste disposal improperly by the workers can affect the soil quality. Oil spillage from the vehicles could be also polluted to the soil.

However, the project factory is already constructed during environmental assessment study and site visit. Therefore, impact on water quality is not assessed for this project.

During the operational phase, there is no significant impact on soil quality due to factory because concrete road facilities have been implemented at the whole project site area. However, there may be effect on soil if wastes from the operation period are disposed improperly.

5.5.3.2. Mitigation Measure of Impact on Soil Quality

During the operation phase, the compound area of the factory area will be paved with concrete and hence, contamination due to the oil spillage at this area is insignificant. However, refilling fuel must be done with great care for preventing spillage.

5.5.4. **Noise**

5.5.4.1. Impact of Noise

During the construction phase, significant impact on noise and vibration to surrounding environment must be generated from the movements of vehicles, operating the machinery, excavation activities and transportation of equipment and construction materials by heavy trucks. However, the project factory is already constructed during environmental assessment study and site visit. Therefore, the proposed project is located at industrial zone and already finished the construction, the potential impact on noise and vibration is not assessed and short-term affect must be caused the construction period is temporary.

During the operation phase, noise impact may be a significant impact for garment sectors. The significant sources of noise impact activities are the operation of various machinery and equipment listed in for cutting and the emergency used of generator, vehicles and automobile movements (short-term noise) will be noise impacts sources. According to the noise results of 8 hours continuously measurement, at the source of operation area inside the factory and within the factory area are normal in noise level of 70 dBA of NEQ (emission) guideline. Therefore, no obvious influence can be caused expected to environment.

5.5.4.2. Mitigation Measure of Impact of Noise

During the operation phase, the regular maintenance plans for vehicles, machines and generators should be provided to mitigate impact on noise. Using modernized low noise machines should be used if possible. Noise impact to employees shall be minimized by providing earmuffs and ear plugs to those working near the noisy machines.

5.5.5. Impact on Human

5.5.5.1. Socio-economic

Most of the impacts of the proposed project on socio-economic environment may be positive. Implementation of proposed project may create temporary employment permanent jobs in the operation phase. Subsequently, socio-economic standards of local people will be increased and eventually it may lead to the economic growth at local and regional level.

5.5.6. Fire Hazard

5.5.6.1. Fire Hazard

Fire hazards can arise from various sources: malfunctioning or overloaded electrical equipment such as incubators, heaters, ventilation systems, and other devices can pose a fire risk if not properly monitored and maintained. Presence of combustible materials such as paper, cardboard, or packaging materials can easily catch fire if exposed to heat sources or electrical sparks. In addition, Improper storage or handling of chemicals can lead to chemical reactions or leaks that may cause fires. Accumulation of waste materials in and around the manufacturing of garment on CMP Basis materials can provide fuel for fires and hinder firefighting efforts.

5.5.6.2. Mitigation Measure on Fire Hazard

The project proponent has provided fire extinguishers, fire hose reels and fire hydrants on the walls of the factory for fire emergency cases. Regular inspection for existing firefighting equipment must be done. In case of fire emergency, water storage tank for fire frightening is also constructed with the capacity of **18000 gallons** at the proposed area. The emergency contact numbers of township and district fire services department must be printed and tagged at easily visible places for fire emergency cases. The emergency fire alarms are installed at the factory for alerting the workers in case of fire. The main entrances and route for emergency cases of the factory must not be blocked with materials or machines for fire emergency cases. In addition, the project proponent has plans to provide trainings on firefighting for the workers by a professional or otherwise by sending to training courses. The plan to install fire alarm system and fire-frightening system are mentioned in below **Figure 5-4**.





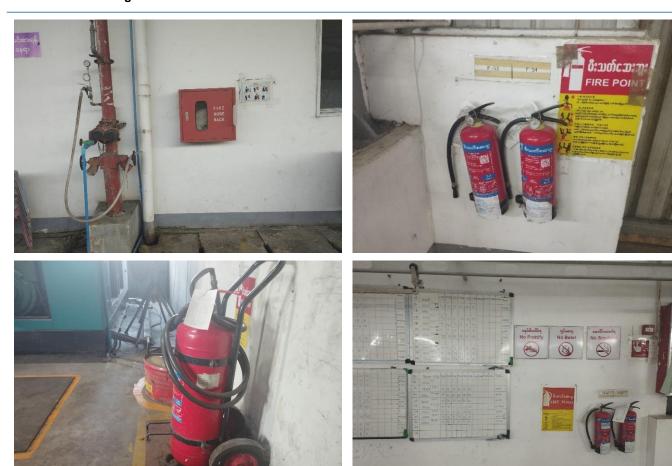


Figure 5-4 Firefighting System

5.5.7. Occupational Health and Safety

5.5.7.1. Occupational Health and Safety

Use of many machineries in the manufacturing of garment on CMP Basis materials process requires special care in managing them. Employees who handle for machinery can cause damage for physical damage problems that's why they can take care for handle for machinery. Noise from the generating of the generator may also affect the health of people working in the project area. Fire and explosion hazards are mainly cause from the storage of raw materials and poor management of waste disposal. The usage of fuel must carefully handle because spillage and leakage of oil and grease can cause ignition of fire. Domestic wastewater produced from bathroom and toilets will cause enormous breeding of mosquitos, which can lead to diseases like malaria and dengue fever, if not carefully managed.

5.5.7.2. Mitigation Measure for Occupational Health and Safety

Medicines have been provided for emergency cases of the employees and if the employees are not healthy, they will be connected with the village clinic. First aid training, safety training, firefighting training or other essential training for machinery handling must be provided for the employees. Personal Protective Equipment (PPEs) like mask, earmuffs, safety gloves, helmets and goggles are provided for the employees, and the employees who handle machinery are trained in how to handle machinery to safe for physical damage. To prevent electric shock hazards, electrical maintenance staff (handyman) is

to be assigned to do regular inspections and take preventive measures. The project proponent must manage the drainage systems of the factory to prevent health risk of the workers.

The Occupational Safety and Health Administration (OSHA) have recommended permissible noise exposure limit for industrial workers, which is based on 90 dB (A) for 8 hours' exposure a day with 5dB trading rates. The limits are mentioned in **Table 5-5**. According to OSHA, the maximum allowable noise level for workers is 90 dB (A) for 8 hours' exposure a day. Thus, adequate protective noise impact measures in the form of ear muffs/ear plugs to the workers working in high noise areas, need to provide if actual noise level monitoring results are more than 90 dB (A) at the work site for working time hours for 8 hours.

Table 5-5 Permissible Exposure of Noise Limits

Total Time of Exposure Per Day in Hours	Noise Level dB(A)
8	90
6	92
4	95
3	97
5	100
1	105
1/2	110
1/4	115

http://www.Osha.gov/pls/oshaweb/owadisp









Figure 5-5 Clinic Photos

5.5.8. Waste Generation

5.5.8.1. Solid Waste

In the operation phase, major solid wastes of the proposed factory may be generated from operation, office and canteen. Factory shall use Film as main raw materials. The residual pieces of the Film scraps from the cutting and packaging line used plastic particles from the packaging area the main source of solid waste. In addition to factory solid waste and canteen will produce solid wastes mainly personal remnants, household wastes and food residues.

5.5.8.2. Liquid Waste

During the operation phase, the project proponent provides separate garbage bins at each building. All of the solid wastes will be collected separately in garbage based on their types and stored in relevant separated waste houses: Non-hazardous Waste Production related house, Hazardous Waste Production related house, Non- Hazardous Waste Non-Production related house and Hazardous Waste Non-Production related house and final wastes will be disposed by using YCDC's service.

5.5.8.3. Mitigation Measure of Waste Generation

During the operation phase, the factory provides separate garbage bins at each building. All of the solid wastes will be collected separately in garbage based on their types and stored in relevant separated waste bin: non-hazardous waste, hazardous waste, re-usable waste and final wastes will be disposed by using YCDC's service.

















Figure 5-6 Waste Management

5.6. ENVIRONMENTAL IMPACT AND MITIGATION MEASURE FOR DECOMMISSIONING PHASE

5.6.1. Air Quality

5.6.1.1. Impact on Air Quality

The decommissioning phase, negative impact on ambient air quality such as emissions of dust particles emission from the movement of vehicles used for carrying decommissioned materials and gaseous emission from these vehicles and machines can be expected during the decommissioning phase of the proposed project after its lifespan, 50 years.

5.6.1.2. Mitigation Measure of Impact on Air Quality

The impact on air quality can be controllable and reduced to minimum level and minimized dust emissions from material handling sources. Sprinkling water on the top soil can reduce dust emission from the demolishing activities. In the proposed project area, vehicle movements should be limit, maintain, and check the vehicles and machineries regularly. Burning the demolished materials and residual wastes must not be allowed.

5.6.2. Water Quality

5.6.2.1. Impact on Water Quality

Oil spill from the demolished vehicles and machinery can penetrate to the ground water quality. Water can also be contaminated by activities related with decommissioning works and waste disposed by workers.

5.6.2.2. Mitigation Measure of Impact on Water Quality

The decommissioning phases, appropriate sanitary facilities should be provided for demolishing workers. An accidental spill of fuel and oil should be avoided. Wastes generated from the demolishing activities should not be disposed directly into the drainage channels.

5.6.3. Soil Quality

5.6.3.1. Impact on Soil Quality

Transportation of decommissioning materials and transferred of heavy machinery may happen oil leakage and lubricants, and thus it can lead to impact on soil. Moreover, hazardous releases of materials or oil utilized in the infrastructure can contaminate the existing soil during the decommissioning phase.

5.6.3.2. Mitigation Measure of Impact on Soil Quality

Impact on soil can be mitigated by using modernized machineries, these machines would be maintained regularly and isolated maintenance area would be identified. Any accidental spills of fuel, oil or other hazardous waste must be avoided.

5.6.4. **Noise**

5.6.4.1. Impact of Noise

If any structures need to be demolished as part of the decommissioning process, noise from heavy machinery like bulldozers and excavators could be significant. Dismantling and removal of machinery and equipment used in the manufacturing of garment on CMP Basis materials operation and transporting debris away from the site may generate noise by trucks or other vehicles.

5.6.4.2. Mitigation Measure of Impact of Noise

Noisy activities will be conducted during daytime hours when they are less likely to disrupt nearby residents or business. The decommissioning vehicles must be imposed speed limit, maintained and checked regularly.

5.6.5. Solid Waste Generation

5.6.5.1. Solid Waste

Various kinds of solid wastes will be generated. These wastes will be collected and clean every day to avoid any undesirable working condition and environmental impacts. Based on their types (glass, metal, plastic, wood, cement residues, oil spills and paper based), these solid wastes will be collected separately in rubbish bins and regular and proper disposal will be done in accordance with YCDC guidelines.

5.6.5.2. Mitigation Measure of Solid Waste Generation

During the decommissioning phase, some of demolished solid wastes must be recycled and the other solid wastes should be stored in dedicated waste storage area in the project site and transferred to YCDC for final disposal.

6. ENVIRONMENTAL MANAGEMENT PLAN

6.1. OBJECTIVE

An Environmental Management System (EMS) is a framework that helps an organization achieves its environmental goals through consistent review, evaluation, and improvement of its environmental performance. The assumption is that this consistent review and evaluation will identify opportunities for improving and implementing the environmental performance of the organization. The EMS itself does not dictate a level of environmental performance that must be achieved; each organization's EMS is tailored to its own individual objectives and targets.

An EMS encourages an organization to continuously improve its environmental performance. The system follows a repeating cycle the organization first commits to an environmental policy, then uses its policy as a basis for establishing a plan, which sets objectives and targets for improving environmental performance. The next step is implementation. After that, the organization evaluates its environmental performance to see whether the objectives and targets are being met. If targets are not being met, corrective action is taken. The results of this evaluation are then reviewed by top management to see if the EMS is working. Management revisits the environmental policy and sets new targets in a revised plan. The company then implements the revised plan. The cycle repeats, and continuous improvement occurs.

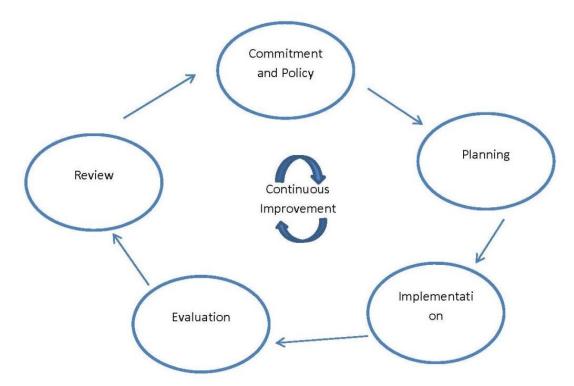


Figure 6-1 Continuous Improvement Circle

- Commitment and Policy Top management commits to environmental improvement and establishes the organization's environmental policy. The policy is the foundation of the EMS.
- ♣ Planning An organization first identifies environmental aspects of its operations. Environmental aspects are those items, such as air pollutants or hazardous waste that

can have negative impacts on people and the environment. An organization then determines which aspects are significant by choosing criteria considered most important by the organization. For example, an organization may choose worker health and safety, environmental compliance, and cost as its criteria. Once significant environmental aspects are determined, an organization sets objectives and targets. An objective is an overall environmental goal (e.g., minimize use of chemical X). A target is a detailed, quantified requirement that arises from the objectives (e.g., reduce use of chemical X by 25% by September 1998). The final part of the planning stage is devising an action plan for meeting the targets. This includes designating responsibilities, establishing a schedule, and outlining clearly defined steps to meet the targets.

- ♣ Implementation An organization follows through with the action plan using the necessary resources (human, financial, etc.). An important component is employee training and awareness for all employees. Other steps in the implementation stage include documentation, following operating procedures, and setting up internal and external communication lines.
- Evaluation A company monitors its operations to evaluate whether targets are being met. If not, the company takes corrective action.
- ♣ Review Top management reviews the results of the evaluation to see if the EMS is working. Management determines whether the original environmental policy is consistent with the organization's values. The plan is then revised to optimize the effectiveness of the EMS. The review stage creates a loop of continuous improvement for a company.

6.2. INSTITUTIONAL REQUIREMENT

In order to ensure the sound development and effective implementation of the EMP, it will be necessary to identify and define the responsibilities. The environmental management practices, procedures, and responsibilities are defined herein to get full compliance with the existing environmental policy, laws, rules and regulations of the Republic of the Union of Myanmar. The following entities should be involved in the implementation of this EMP:

Guohua Glory Company Limited: The proponent will be charged with the responsibility for ensuring that the proposed development has been accomplished in an environmentally sound manner. This can be achieved by inclusion of environmental specifications in the tender specifications, selection of environmentally conscious contractors, and supervision to ensure that the objectives of this EMP are met. The implementation of Environmental Management Plan (EMP) process will prepare and follow up by appointed persons for health, safety, and environmental management under the instruction of management team of **Guohua Glory Company Limited** for EMP implementation facilities.

ECD: The responsibility of ECD is to exercise general supervision and coordinating over all matters relating to the environment and to be instrumental in providing guidance for recognized regulatory frameworks.

Environmental Consultant: The environmental consultant will have to ensure that the proposed EMP is up to date and is being followed properly by the proponent. Periodic audits of the EMP will have to be done to ensure that its performance is as expected, by comparing with operating standards so that any corrective actions can be taken.

6.3. STRUCTURE AND RESPONSIBILITIES FOR THE EMP DEVELOPMENT AND IMPLEMENTATION

The HSE officer is responsible to the HSE components of the project and on matters relating to the implementation of the EMP throughout operation life. The HSE officer will have responsibilities that include:

- Ensure a monitoring system is in place to track and report all health, safety and environmental incidents;
- Carry out a thorough initial site inspection of environmental controls prior to work commencement;
- ♣ Record and provide a written report to the General Manager and production team of nonconformances with the EMP and require the HR supervisor to undertake mitigation measures to avoid or minimize any adverse impacts on environment or report required changes to the EMP.

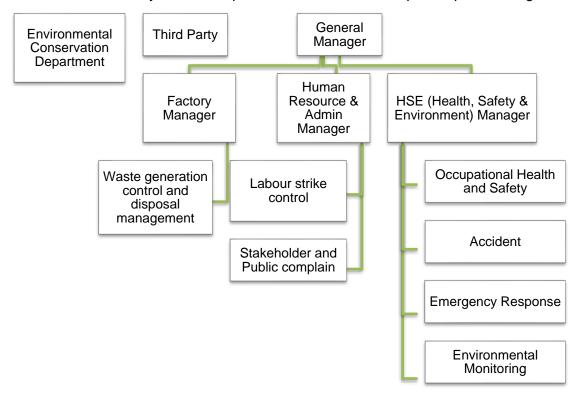


Figure 6-2 Organization Structure of EMP Implementation

Table 6-1 -Responsibilities of HSE members

Roles	Responsibilities					
	The General Manager will be assisted by the Operations Manager and also the HR and HSE Officer. In terms of environmental protection commitments, the Operation Manager will be the key driving force and will be responsible for:					
General	Establishing overall environmental direction and policy					
Manager	Ensuring the implementation of the EMP					
	Ensuring investigation of all environmental incidents are reviewed and that reports are submitted on time					
	Ensuring an effective system of internal and external communication is in place					

Roles	Responsibilities
	Providing advice regarding the environmental program
	The Operation Manager will assist the General Manager in looking into the overall environmental matters during the operational phase of the Project. The Operation Engineer will also be responsible for:
Operation Manager	Adherence to the overall environmental direction and policy
Manager	Ensuring the implementation of the recommended actions in the investigation of all environmental incidents
	Managing resources for operation wastes
	The HR Manager will carry out the day-to-day management of workers and social issues in the factory. The HR Manager will be responsible for:
H R Manager	 Assisting the management in publicising and implementing corporate and local policies, objectives and programs
	Maintaining key environmental-related documents and information
	Communicating/ liaising with the local authorities on environmental issues
	The HSE Officer will be the key person in charge of all environmental matters pertaining to the site. The HSE Officer will be responsible for:
	Coordinating the implementation of environmental programs, including monitoring of the project site environmental performance
	Performing periodic internal environmental audits and inspections to ensure compliance with the legal environmental requirements
HSE Officer	 Ensure a monitoring system is in place to track and report all health, safety and environmental incidents;
	Carry out a thorough initial site inspection of environmental controls prior to work commencement;
	 Record and provide a written report to the General Manager and production team of non-conformances with the EMP and require the HR Manager to undertake mitigation measures to avoid or minimize any adverse impacts on environment or report required changes to the EMP.

6.4. ENVIRONMENTAL MANAGEMENT SUB-PLAN

The EMP for **Guohua Glory Company Limited** Has been prepared to added potential issues based upon discussion with factory management, workers, local community view, stakeholder consultation and the site visit. The following environmental impact issues which require environmental management plans based upon the potential impact's activities of **Guohua Glory Company Limited** are as follows:

6.4.1. Air pollution/ Dust Management Plan

6.4.1.1. Objective

♣ To minimize the adverse impact to air quality caused by stack gas emission from generator and also dust management generated from vehicular movement.

To comply with relevant government rules

6.4.1.2. Legal Requirements

The plan will be in line with Environmental Conservation Law (2012), Environmental Conservation Rules (2014), EIA Procedure (2015), Vehicle Safety and Motor Vehicle Management Law (2020) and National Environmental Quality (Emission) Guidelines (2015).

6.4.1.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

The air quality monitoring was conducted biannually inspections within the project area and parameter are TSP, PM $_{2.5}$, PM $_{10}$, NO $_2$, SO $_2$, O $_3$ and CO. The air quality monitoring location is shown in **Figure 6-3.**



Figure 6-3 Air Quality Monitoring Point

6.4.1.4. Implementation Schedule

The plan will be implemented for the operation and decommissioning phases of project.

6.4.1.5. Management Action

The following mitigation measures will be implemented for reducing the air and dust emissions generated from the operation and decommissioning phases of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Air quality will be monitored every six months after EMP report is approved.
- Must be plant in the space of the factory area and around the proposed project to reduce carbon emission.
- ♣ There is no open burning of waste materials at the site.
- Must be control air pollution, the vehicles, generators and machineries have to check and maintain regularly.

- ♣ The factory must use chimney for generator through which the flue gas is emitted for reducing the impact of stack emission on environment.
- Must be ensuring vehicles, compressor and generator are well maintained.
- Provide sufficient personal protective equipment (PPE) employees and encourage them to wear masks and work.

6.4.1.6. Budget

About 1,600,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.2. Noise Management Plan

6.4.2.1. Objective

♣ To maintain low noise exposures, such that human health and well-being are protected. The specific objectives of noise management are to develop criteria for the maximum safe noise exposure levels, and to promote noise assessment and control as part of environmental health program.

6.4.2.2. Legal Requirements

The plan will be in line with Environmental Conservation Law (2012), Environmental Conservation Rules (2014), EIA Procedure (2015), Vehicle Safety and Motor Vehicle Management Law (2020) and National Environmental Quality (Emission) Guidelines (2015).

6.4.2.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

The Noise Level monitoring was conducted biannually inspections within the project area. The noise level monitoring location is shown in **Figure 6-4**.



Figure 6-4 Noise Level Measurement Point

6.4.2.4. Implementation Schedule

The plan will be implemented for the operation and decommissioning phases of project.

6.4.2.5. Management Actions

The following mitigation measures will be implemented for reducing noise generated from the operation and decommissioning phases of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Noise level will be monitored every six months after EMP report is approved.
- Building noise insulated generator room and ensure satisfactory maintenance of relevant equipment.
- Regular maintenance and inspection of generators and vehicles used for the manufacturing of manufacturing of garment on CMP basis project.
- Keep the generators in a sound proof room within the factory area.
- Impose speed limit to track and vehicles at the transportation route.
- Provide sufficient personal protective equipment (PPE) at the work place.

6.4.2.6. Budget

About 500,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.3. Fire Management Plan

6.4.3.1. Objective

♣ To ensure that fire control practices are implemented on site to minimize the risk of fire from site operations and bush fires.

6.4.3.2. Legal Requirements

The plan will be in line with Occupational Safety and Health Law (2019), Myanmar Fire Brigade Law (2015), and The Electricity Law (2014).

6.4.3.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

The firefighting facilities are placed all over the project area. The location of firefighting equipment installation is shown in **Figure 6-5**.

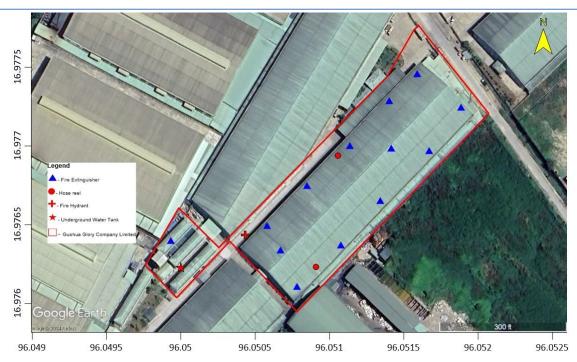


Figure 6-5 Firefighting Equipment Installation

6.4.3.4. Implementation Schedule

The plan will be implemented for the operation phase of the project.

6.4.3.5. Management Actions

The following mitigation measures will be implemented for fire hazard management of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Must provide fire extinguishers, fire hose reels and fire hydrants on the walls of the factory for fire emergency cases.
- Must indicate the emergency exit and assembly point in the project area.
- ♣ Regular inspection for existing firefighting equipment must be done. In case of fire emergency, there must be a water storage tank for fire frightening.
- The emergency fire alarms are installed at the factory for alerting the workers in case of fire.
- ♣ The main entrances and route for emergency cases of the factory must not be blocked with materials or machines for fire emergency cases.

6.4.3.6. Budget

About 1,200,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.4. Occupational Safety and Health Management Plan

6.4.4.1. Objective

To provide a broad framework for improving standards of workplace health and safety to reduce work-related injury and illness.

6.4.4.2. Legal Requirements

The plan will be in line with Occupational Safety and Health Law (2019), Public Health Law (1972), Prevention and Control of Communicable Disease Law (1995 - Amended in 2011).

6.4.4.3. Implementation Schedule

The plan will be implemented for the operation and decommissioning phases of the project.

6.4.4.4. Management Actions

The following mitigation measures will be implemented for occupational safety and health management of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- First aid training, safety training, firefighting training or other essential training for machinery handling must be provided for emergency cases of workers.
- Personal Protective Equipment (PPE) like mask, helmets and goggles are provided.
- ♣ To prevent electric shock hazards, electrical maintenance staff (handyman) is to be assigned to do regular inspections and take preventive measures.
- Manage the drainage systems of the factory to prevent health risk of the workers.
- Provide environmental awareness/ training the employees how chemicals are handled and used and the health problems that can result if they are not handled properly.
- ♣ The maximum allowable noise level for workers is 90dB(A) for 8hours exposure a day. Thus, adequate protective noise impact measures in the form of ear muffs/ear plugs to the workers working in high noise areas.

6.4.4.5. Budget

About 1,000,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.5. Water Consumption Management Plan

6.4.5.1. Objective

The water consumption management is aimed at minimizing ground water use.

6.4.5.2. Legal Requirements

The plan will be in line with The Underground Water Act (1930).

6.4.5.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

The water consumption monitoring was conducted every month inspection in the factory's water meter, and records the water meter usage and keep the data to analysis the consumption of underground water. The water consumption monitoring location is shown in **Figure 6-6.**

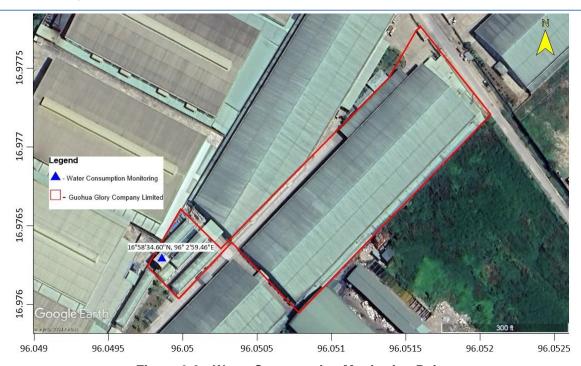


Figure 6-6 Water Consumption Monitoring Point

6.4.5.4. Implementation Schedule

The plan will be implemented for the operation phase of the project.

6.4.5.5. Management Actions

The following mitigation measures will be implemented for reducing underground water usage for the operation phases of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Install water meter for internal control of water consumption.
- All employees must be trained and aware of conservation practices, and proper methods of water use must be place in toilets and other areas of water consumption.
- ♣ The contamination of water is avoided by suitable management of oil and fuel used in machineries and vehicles.
- Planting of tree around the factory.

6.4.5.6. Budget

About 500,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.6. Solid Waste Management Plan

6.4.6.1. Objective

- ❖ To assess the activities involved for the proposed and determine the type, nature and estimated volumes of waste to be generated.
- ♣ To identify any potential environmental impacts from the generation of waste at the site.

6.4.6.2. Legal Requirements

The plan will be in line with ရန်ကုန်မြို့တော်စည်ပင်သာယာရေးဥပဒေ (၂၀၁၈, ပြင်ဆင်၂၀၂၁).

6.4.6.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

Solid waste generated from the manufacturing of manufacturing of garment on CMP operation are collected and stored in temporary waste storage area, and the waste is disposed to the designated place for waste disposal by the township municipality once a week. The location of temporary solid waste storage area is shown in **Figure 6-7.**

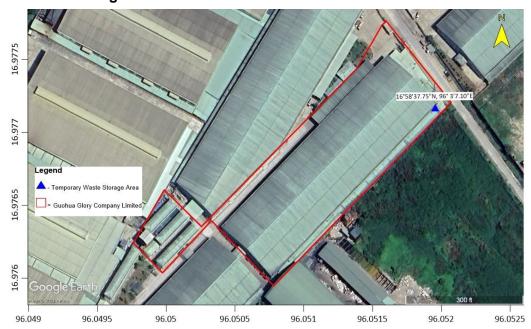


Figure 6-7 Temporary Waste Storage Area

6.4.6.4. Implementation Schedule

The plan will be implemented for the operation and decommissioning phases of project.

6.4.6.5. Management Actions

The following mitigation measures will be implemented for solid waste management in the operation and decommissioning phases of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Must be provides separate garbage bins at each building.
- All of the solid wastes will be collected separately in garbage based on their types and stored in relevant separated waste storage area.
- Final wastes from the manufacturing of manufacturing of garment on CMP process are disposed by using township municipal service.
- Empty chemical containers are reused in the production process of the project.

6.4.6.6. Budget

About 600,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.7. Liquid Waste Management Plan (Wastewater)

6.4.7.1. Objective

♣ To implementation plan for the management of liquid waste from collection, through treatment and resource recovery, to residual disposal.

6.4.7.2. Legal Requirements

The plan will be in line with National Environmental Quality (Emission) Guidelines (2015), The Underground Water Act (1930), and ရန်ကုန်မြို့တော်စည်ပင်သာယာရေးဥပဒေ (၂၀၁၈, ပြင်ဆင်၂၀၂၁).

6.4.7.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

Liquid waste generated from the manufacturing of garment on CMP operation and employees are discharged into wastewater storage pond through concrete drains within the factory area, but there is no water in the pond due to the low amount of wastewater. the septic tank waste will be connected and cooperated with municipal to be carried out for disposing of. The location of wastewater storage pond and outlet point of the factory drainage is shown in **Figure 6-8**.



Figure 6-8 Wastewater Storage Pond and Outlet Point of the Factory Drainage

6.4.7.4. Implementation Schedule

The plan will be implemented for the operation phase of project.

6.4.7.5. Management Actions

The following mitigation measures will be implemented for wastewater management in the operation phase of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Wastewater quality will be analyzed every six months after EMP report is approved.
- Regular inspection and cleaning factory drainage, oil traps, septic tank and adequate covers for all storage and waste disposal areas can decrease these contaminations.
- ♣ Wastewater from the manufacturing of garment on CMP process must be disposed of systematically to prevent environmental pollution or in accordance with the municipal guidelines for proper disposal.

6.4.7.6. Budget

About 600,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.8. Hazardous Waste Management Plan

6.4.8.1. Objective

To implementation plan for the management of hazardous waste from collection to disposal.

6.4.8.2. Legal Requirements

The plan will be in line with Environmental Conservation Law (2012), National Environmental Policy of Myanmar (2019), The Prevention of Hazard from Chemical and Related Substances Law (2013), and ရန်ကုန်မြို့တော်စည်ပင်သာယာရေးဥပဒေ (၂၀၁၈, ပြင်ဆင်၂၀၂၁).

6.4.8.3. Overview Maps and Site Layout Maps, Images, Aerial Photos, Satellite Images

Hazardous waste generated from the manufacturing of garment on CMP operation are collected and stored in temporary waste storage area, and the waste is disposed to the designated place for waste disposal by the township municipality twice a week. The location of temporary solid waste storage area is shown in **Figure 6-9.**



Figure 6-9 Temporary Waste Storage Area

6.4.8.4. Implementation Schedule

The plan will be implemented for the operation phase of project.

6.4.8.5. Management Actions

The following mitigation measures will be implemented for hazardous waste management in the operation phase of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- Ensure proper storage facilities for chemical agents with adequate ventilation and secure containers to prevent leakage or spillage.
- Replace damaged or deteriorating light bulb and tube promptly to prevent accidents and environmental contamination.
- ♣ Conduct regular training sessions to employees to raise awareness of hazardous waste associated with stored materials and reinforce proper handling procedures.
- Old engine oil from used vehicles and generators, rags with oil, empty chemical containers, and damaged light fixtures are properly disposed of to avoid the impact of hazardous waste.
- Empty chemical containers are reused in the production process of the project.

6.4.8.6. Budget

About 300,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.4.9. Emergency Response and Disaster Management Plan

6.4.9.1. Objective

♣ To reduce the harmful effects of all hazards, including disasters.

6.4.9.2. Legal Requirements

The plan will be in line with The Employment and Skill Development Law (2013), Myanmar Fire Brigade Law (2015), and Occupational Health and Safety Law (2019).

6.4.9.3. Implementation Schedule

The plan will be implemented for the operation phase of project.

6.4.9.4. Management Actions

The following mitigation measures will be implemented for emergency response and disaster management in the operation phase of the project. The project proponent will be encouraged to adopt the following mitigation measures.

- ♣ The factory must take proper measures to handle any emergency situation like fire, earthquake, flood and storm.
- Windows and doors are reinforced with impact-resistant materials to protect against high winds and flying debris.
- Provision and inspection of firefighting equipment and fire hydrant system in all the sections.
- A detail evaluation plan (fire exist, emergency exit door, etc.) is established and communicated with workers.
- ♣ Periodic inspection of safety relief valve provided with pressure vessels and equipment, preventive maintenance; aware the workers about electric shock by necessary training.
- Regular fire drill operation is conducted.
- Workers are informed about what to do in earthquake like stay in a safe place such as under table of desk, not to try move outside during earthquake, workers who will be outside during earthquake shall remain stay out of the building, trees, lump post, etc. Other relevant safety instruction of emergency situation it informed to workers by training.
- Workers are aware of dangers from physical hazards such as obstacles covered by floodwater (storm debris, drainage opening, ground erosion) and from displaced reptiles (Snake) or other animals.
- ♣ A medical team has been prepared for primary treatment (First Aid).
- Prepare an emergency contact directory consisting contact numbers of nearest fire service, local police station, hospitals, etc. and display it in a place that everybody can see it easy.
- Build a safety committee which from firefighting team, rescue team. The committee arrange a meeting every month to discuss about safety management.
- Ensure proper training of the employees about the disaster management, fire safety as well as occupational health and safety.

6.4.9.5. Budget

About 1,500,000 Ks per year is budgeted for implementing Environmental Management Plan and Monitoring Plan.

6.5. ENVIRONMENTAL MONITORING AND REPORTING PROCESS

6.5.1. Environmental Monitoring Plan (EMoP)

The EMoP cell members responsible may conduct daily, weekly or monthly general inspections of the project are and facilities. The objective is to identify non-compliance to EMoP is provided the environmental monitoring schedule for **Guohua Glory Company Limited**.

Table 6-2 Environmental Monitoring Schedule

Issues	Parameter	Frequency	Area to be monitored	Monitoring cost (MMK)	Responsible Organization				
	Operation Phase								
Air quality	TSP, PM _{2.5} , PM ₁₀ , SO ₂ , NO ₂ , NOx, O ₃ , CO	Bianually	Outdoor 16°58'36.22"N 96° 3'3.93"E	1,600,000 Kyats/ Year	Environmental Management Team of GuoHua Glory Company Limited				
Noise	Noise level in decibel (dBA)	Bianually	Indoor 16°58'39.43"N 96° 3'5.71"E	500,000 Kyats/ Year	Environmental Management Team of GuoHua Glory Company Limited				
Light	illuminance	Bianually	Operation Area 16°40'41.28"N 96°17'42.41"E	50,000 Kyats/ Month	Environmental Management Team of GuoHua Glory Company Limited				
Water Quality	Ground Water Alkalinity, Bicarbonate, Calcium Hardness, Carbonate, Color (True), Conductivity, Free Chlorine, Iron, Lead, Magnesium Hardness, pH, Phosphate, Silica, Sodium Chloride, Total Dissolved Solids, Total Hardness, Total	Bianually	Tube well within the factory area	600,000 Kyats/ Year	Environmental Management Team of GuoHua Glory Company Limited				

	_		Area to be	Monitoring cost	Responsible
Issues	Parameter	Frequency	monitored	(MMK)	Organization
	Suspended Solid, Turbidity				
Waste	Solid waste	Monthly	Recycle house and waste house	600,000 Kyats/ Year	Environmental Management
Generation	Liquid waste	Bianually	Factory Drainage	250,000 Kyats /Year	Team of GuoHua Glory
	Hazardous Waste	Monthly	Waste bin	300,000 Kyats/ Year	Company Limited
Fire Hazardous	Visual inspection, firefighting equipment	Monthly	At the factory	1,200,000 Kyats/ Year	Environmental Management Team of GuoHua Glory Company Limited
Occupational Safety and Health	Fire extinguishers and water hydrant in position Inspect that all fire exist are open Servicing fire extinguisher and records of accidents	Weekly	At the factory	1,000,000 Kyats/ Year	Environmental Management Team of GuoHua Glory Company Limited
		Decommi	issioning Phase	l	
Air quality	TSP, PM _{2.5} , PM ₁₀ , SO ₂ , NO ₂ , NO _x , O ₃ , CO	One time during this phase	One point in decommissioning area	1,000,000 Kyats	GuoHua Glory Company Limited
Noise	Noise level in decibel (dBA)	One time during this phase	One point in decommissioning area	500,000 Kyats	GuoHua Glory Company Limited
Solid Waste	Demolished solid wastes	One time during this phase	Decommissioning area	50,000 Kyats	GuoHua Glory Company Limited
Occupational Health and Safety	Record of accidents, PPE, Training records, chemicals that used in the project.	during this phase	Decommissioning area	500,000 Kyats	GuoHua Glory Company Limited

Issues	Parameter	Frequency	Area to be monitored	Monitoring cost (MMK)	Responsible Organization
Rehabilitation	Recovering and Revegetation		All decommissioning area	1,000,000 Kyats	GuoHua Glory Company Limited

Note: If the amount described above is not enough at the time of implementation, it will be used up to a sufficient amount.

6.5.2. Reporting Plan

The manufacturing of garment on CMP project will submit environmental monitoring report to the Environmental Conservation Department under the Ministry of Natural Resources and Environmental Conservation after receiving the Environmental Compliance Certificate (ECC) for the EMP report. The environmental monitoring report will be performed once every six (6) months as the environmental monitoring schedule as described in **Table 6-2.** In the environmental monitoring report, it describes the compliance status of the project proponent with regard to mitigating negative environmental impact caused by operation of the manufacturing of garment on CMP project.

6.6. CAPACITY BUILDING AND TRAINING PLAN

The emergency preparedness is vital, as quick and correct response is necessary in case of emergency to reduce injuries, harm and other damage. Care should be given for during processing activities in order to prevent synthetic errors and accidental cases (e.g., electricity shock and fire hazards).

The emergency response plans should be established for handling all foreseeable emergencies in the workplace and must provide the following;

6.6.1. Assignment of Responsibilities

All senior staff such as a line/production manager or safety officer should be assigned to lead the emergency response team and charged with the duties of (1) assessing the emergency and taking necessary actions (2) overseeing the implementation of the emergency response plan (3) organizing regular drill (4) ensuring all emergency equipment is well maintained.

6.6.2. Emergency Procedures

Emergency procedures are operating instructions for employees to follow in emergency case About work safety in the concerned processing, the management team should

- (a) Identify and list out all possible emergency situations in the workplace
- (b) Assess the effects and impacts of the emergency situations
- (c) Establish emergency response plans
- (d) Provide and maintain emergency equipment and other necessary resources
- (e) Ensure that staff are familiarized with the arrangements in case of emergencies by providing procedural instructions and employee training and organizing drills

6.6.3. Training for Emergencies

The type, amount and frequency of training varies, depending upon the task's employees are expected to perform. Although training must be provided to employees at least annually, safety meetings and drills should be conducted at more frequent intervals.

Regardless of the specific type of facility, training should include, though not be limited to the following;

- Hazard recognition and prevention (fire, explosion, etc.)
- Proper use of fire extinguishers
- Emergency reporting procedures
- Preventive maintenance
- Hazardous materials spill response
- First Aid

6.6.4. Fire Prevention and Protection

The fire prevention and protection program must address the following topics:

Prevention; policies, practices and procedures designed to keep the conditions necessary for a fire from coming together

- Hot work permits
- Lockout/tag out policies
- Design specifications for storage of flammable materials

Severity reduction; policies, practices and procedures designed to reduce the spared of fire and end the fire.

- Emergency plans
- Alarm systems
- Portable fire extinguishers
- Fire Protection Equipment

Cleanup; policies, practices and procedures designed to return the affected area to an operational level and reduce other losses created by improper cleanup

- First aid
- Removal of debris to an appropriate waste site
- Equipment and facility repair

6.6.5. Fire Protection Equipment

- 1. Explosion Suppression Systems: Explosion suppression systems should be used in unusually hazardous areas such as elevator legs, boots and head, or in areas such as bins, distributors and tanks.
- 2. Portable Fire Extinguishers: All buildings within a facility must have fully charged and operable portable fire extinguishers. If employees are expected to use portable extinguishers or other firefighting equipment against incipient fires, they must be trained to use the equipment. Training must include the following:
 - Correct type of extinguisher to use on different classes of fire
 - · Proper techniques for use of the equipment to extinguish a fire
- 3. Standpipes and Hoses: All areas within a facility that are above 75 feet from ground level and in which combustible materials other than grain are stored should have wet or dry standpipes and hoses installed.
- 4. Automatic Sprinkler Systems: Automatic sprinkler systems are recommended in areas containing combustible materials.
- 5. Fire Hydrants: All grain and feed mill facilities should have adequate public or private fire hydrants on site. Each fire hydrant should have an adequate water supply.

6.6.6. Fire Safety and Evacuation Plan

Fire Evacuation plans should include the following information

- Emergency escape routes must be clearly shown on floor plans and workplace maps
- o Employers must know that their employees know the emergency escape routes
- o Procedures for employees who must remain to operate critical equipment before evacuating
- o Identification and assignment of personnel responsible for rescue or emergency medical aid

Fire Safety Plans should include the following information:

- 1. Procedure for reporting a fire or other emergency
- 2. Site plans indicating the following
 - The Occupancy assembly point
 - The locations of fire hydrants
 - The normal routes of fire department vehicles access
- 3. Floor Plans identifying the locations of the following
 - Exits
 - Primary evacuation routes
 - Secondary evacuation routes
 - Accessible egress routes
 - Areas of refuge
 - Exterior area for assisted rescue
 - Manual fire alarm boxes
 - Portable fire extinguishers
 - Occupant-use hose stations
 - Fire alarm annunciators and controls

The following American National Fire Fighting Association (NFFA) Standards must be following.

Table 6-3 American National Fire Fighting Association (NFFA) Standards

No.	Parameters	Proposed Capacity	Remark
1	Fire water flow	14 bars	
2	Deluging rate	12.0 liters/m2/min	
3	Foam rate	10.0 liters/m2/min	
4	Maximum water pressure	190 liters/min	For storage area

Emergency Evacuation Drill: An exercise performed to train staff and occupants and to evaluate their efficiency and effectiveness in carrying out emergency excavation procedures

Employee Training and Response Procedures: Employee shall be trained in the fire emergency procedure described in their fire evacuation and fire safety plans and training should be based on these plans;

Frequency: Employee shall receive training in the contents of fire safety and evacuation plans and their duties as part of new employee orientation and at least annually thereafter. Records shall be kept and made available to the fire code official upon request.

Employee Training Program: Employee shall be trained in fire prevention, evacuation and fire safety in accordance with the following sections.

Fire Prevention Training - Employee shall be apprised of the fire hazards of the materials and processes to which they are exposed. Each employee shall be instructed in the proper procedures for preventing fires in the conduct of their assigned duties

Evacuation Training – Employees shall be familiarized with the fire alarm and evacuation signals, their assigned duties in the event of an alarm or emergency, evacuation routes, areas of refuge, exterior assembly areas and procedures for evacuation

Fire Safety Training – Employee assigned fire-fighting duties shall be train Toiled to know the locations and proper use of portable fire extinguishers or other manual fire-fighting equipment and the protective clothing or equipment required for its safe and proper use.

6.6.7. Site Fire Control

- 1. Alert other people through fire alarm
- 2. If small, control using an extinguisher
- 3. Contact fire brigade if not under immediate control
- 4. Attend to human life in immediate danger
- 5. For electrical fires turn off power before fighting
- 6. Once out of the building, stay out. Do not allow people to go back into the burning building to collect valuables. While evacuating the building, close doors (but do not lock) to slow down the spread of fire
- 7. Obey all instructions
- 8. Proceed to an emergency evacuation area (Muster Point)

6.6.8. Employee Information and Training

Employees must be informed about any operations in their work area where hazardous chemicals or materials are present. They must also be informed about the locations and availability of the hazard communication program, list of chemicals and SDSs. Employees must receive training on the following:

- Methods for detecting the presence or release of a hazardous chemical, such as monitoring devices and the visual
- appearance or odor of the chemical
- Physical and health hazards of chemicals in their work area
- How to protect themselves using work practices, emergency procedures and personal protective equipment
- How to interpret the information on the labels and MSDS of chemical materials

6.6.9. Health and Safety Training Plan for Worker

Health and Safety Training plan currently used and provided in **GuoHua Glory Company Limited** to all employees and workers by trainings internally and externally. Specific trainings are recommended and conducted according to the health and safety guidelines to enhance worker's health and to prevent all potential risks and hazards might occur in the factory. All required trainings related to health and the respective departments propose safety or operational parts, top management makes decision and HR organizes and conducts the trainings.

Table 6-4 Training Plan Used in GuoHua Glory Company Limited

No.	Health and Safety Guidelines	Training needs	
1.	Management	General fire and emergency response plan, evacuation. All training materials and procedures covering health and safety for workers	
		and employees	

No.	Health and Safety Guidelines	Training needs	
	Machine safety and noise management	Training for machine operations to all operators	
2.		Use of PPE and proper use of any necessary protection	
		Maintenance and Emergency procedures	
3.	Environment safety Understanding and training on recognition and maintenance not to affect environment		
		Safety use of related devices and machines	
4.	Material storage and safety	Use of necessary protections in working areas	
		Sanitation work	
_	Fire Cofety	Firefighting and evacuating training and practices	
5.	Fire Safety	Firefighting materials/ devices use	
	First Aid	first aid / CPR/ AED training from providers (Outsource)	
6.		training on hazard of pathogens	

6.7. GRIEVANCE REDRESS MECHANISM (GRM)

People who live near the project affected area or stakeholders can complain about the problems and impacts that they suffer; they can complain though Grievance Committee, which includes the responsible persons of **Guohua Glory Company Limited** representative from War Ta Yar Industrial Zone and representative from General Administration Department (Shwe Pyi Thar Township). Small issues will be solved at the Grievance Committee stage and other unsolved problems will be submitted to higher responsible authorities and finally the responsible person decided by the court in legal terms. The following diagram (**Figure 6-10**) show steps of Grievance Redress Mechanism of Proposed Factory Project.

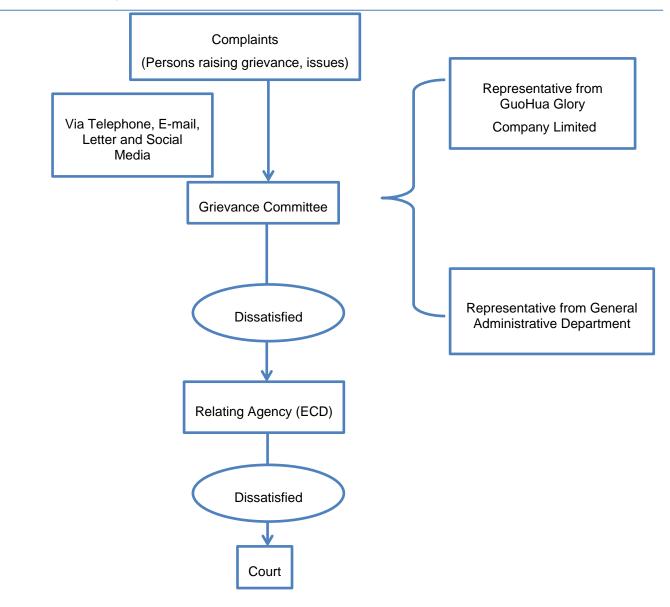


Figure 6-10 Grievance Redress Mechanism Flow Diagram

Table 6-5 Contact Person for Grievance Redress Mechanism (GRM)

Name	Daw Hla Hla Moe (HR Manager)
Name	Guohua Glory Company Limited
Contact Number 09458255902	
Email address hlahlamoeallsuper 12@gmail.com	
Contact address No.1/208, Sanchaung Lay Village, Hlawga, Yangon.	

6.8. CORPORATE SOCIAL RESPONSIBILITY (CSR) PLAN

The CSR activities have the objective to uplift quality of life and gain favorable relations from all communities in the operation area. The CSR program for **Guohua Glory Company Limited** consists of three main sectors; Health, Education and Communities Development Sector.

Guohua Glory Company Limited has a plan to implement and donate 2 percent of the profit per year for Corporate Social Responsibility (CSR) and Employee Welfare Arrangement.

Table 6-6 CSR Plan at Guohua Glory Company Limited

Area	Priority item	Contribution (%)	Detail Targets
Health	Healthcare for employees and their family	0.5 %	One of our main concerns is the well-being of our employees. We will contribute 0.5 % of our net profit for the healthcare which includes medical checkup for the employees and providing health education to our workers.
Education	Raising awareness education level and human right	0.5%	We will contribute 0.5 % of our net profit to the public school near the factory to be a part of creating the better community. We will also work together with the school to understand more about the needs and we will also ensure that our contributions will be used in the most effective and efficient way for the society.
Community development	Donation to local community	1 %	Donate to local charities with a worthy cause Actively participate in community events. Encourage staff to participate, and to form a community engagement team to actively support community events. Embedding understanding and consciousness about human rights issues among the employees Development of sexual harassment and power harassmentll (workplace bullying & harassment) prevention efforts.

7. PUBLIC CONSULTATION

7.1. METHODOLOGY AND APPROACH

This chapter presents results of public consultation and information disclosure conducted for the **Guohua Glory Company Limited**. Public participation can be considered as the required element of the EMP process. In this study various stakeholder's participation was made.

Public consultation during preparation of EMP report was conducted on 27 December 2024, following the EIA procedure. The project's stakeholders in this category are key officials or representatives of the regional and local authorities who have direct responsibilities for the administration of the EMP process for environmental and social clearance and issuing operation permits for proposed development projects.

For this company, relevant key offices at the regional level are Environmental Conservation Department (ECD) and General Administration Department. Public consultation carried out after the presentation on the project, followed by questions, answers and discussion. Daw Hla Hla Moe presented about of **Guohua Glory** factory's manufacturing of Garment on CMP Basis, activities of the factory and Daw Wint Zar Ni Mg Mg presented EMP study and findings, after the presentation following questions and answer section. Summary of public consultation meeting is presented in **Table 7-1** and **Table 7-2**.

Table 7-1 Summary of Public Consultation Meeting

	·	
Time and Date	Friday, 27 December 2024	
Time and Date	10:30 AM -11:30 AM	
Venue	At meeting room of Guohua Glory Company Limited, Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar.	
	 Presentation on the Background Information of Project, Project Description, 	
Agenda	Impact Assessment, Environmental Mitigation	
	Environmental Management Plan and Monitoring Plan	
	Received and Answer from feedback of participants	









Figure 7-1 Public Consultation Meeting Photos

7.1.1. Participant List

(23) attended to the stakeholder meeting held on 27 December 2024, and scan documents of attendee's lists were mentioned in **Appendix**.

7.2. RECOMMEND SUGGESTION AND COMMENT

Public Consultation Meeting for the EMP of **Guohua Glory Company Limited** was held on 27 December 2024. The detailed of the meeting, including the meeting time, venue and names of participated attended the consultation meeting are listed in Appendix.

After the presentation, the floor opened for questions and answers. Most of the government stakeholders are suggested for good monitoring measure during operation.

Guohua Glory Company Limited

Environmental Management Plan

Table 7-2 Suggestion and Comment of Public Consultation Meeting

Name	Description	Photo
ဦးမြင့်ဇော်ဦး (လက်ထောက် ညွှန်ကြားရေးမှူး)	ရန်ကုန်တိုင်းဒေသကြီးမြောက်ပိုင်းခရိုင်၊ ပတ်ဝန်းကျင် ထိန်းသိမ်းရေးဦးစီး ဌာန မှ လက်ထောက်ညွှန်ကြားရေးမှူး၊ ဦးမြင့်ဇော်ဦးမှ ဌာနမှစက်ရုံများကို သင့်လျော်သော ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု ရေးဆွဲခိုင်းရခြင်း ရည်ရွယ်ချက်မှာ စက်ရုံတစ်ရုံချင်းစီ အလိုက်မှ မိမိစက်ရုံမှ ထွက်ရှိသော စွန့်ပစ်ပစ္စည်း နှင့် စွန့်ပစ်အရည် များမှ ပတ်ဝန်းကျင်ရှိမြောင်းများ၊ ဘေးပတ်ဝန်းကျင်များသို့ ထိခိုက်မှု မရှိစေပဲ ပတ်ဝန်းကျင် သန့်ရှင်းသာယာ စေသောကြောင့် ရေးဆွဲ စေကြောင်း နှင့် လက်တွေ့ကျကျ စီမံဆောင်ရွက်မှုများ ကိုသာ EMP တွင် ထည့်သွင်းရေးသား စေလိုကြောင်း ပြောကြားခဲ့ ပါသည်။	
ဦးသန်းကျော်ဦး (လက်ထောက်ဦးစီးမှူး)	ရန်ကုန်တိုင်းဒေသကြီး၊ ထောက်ကြန့်မြို့နယ် မီးသတ်ဦးစီးဌာနမှ လက်ထောက်ဦးစီးမှူး၊ ဦးသန်းကျော်ဦးမှ စက်ရုံအနေဖြင့် မီးသတ်ပစ္စည်းများကို စနစ်တကျ သေချာစွာ ထားရှိရန် နှင့် အရေးပေါ်ကြုံလာသည့်အခါများတွင်အဆင့်သင့် အသုံးပြုနိုင်ရန် ထားရှိစေလိုကြောင်း၊ မီးဘေးအန္တရာယ် ကြုံတွေ့လာပါက မီးသတ်ဌာနသို့ ဦးစွာဆက်သွယ်စေလိုကြောင်း ပြောကြားခဲ့ ပါသည်။	

ဦးကျော်မြင့် (အုပ်ချုပ်ရေးမှူး)	ရန်ကုန်တိုင်းဒေသကြီး၊ ရွှေပြည်သာမြို့နယ်မှ အုပ်ချုပ်ရေးမှူး ဦးကျော်မြင့် မှ အမှိုက်များကို စနစ်တကျစွန့်ပစ်စေချင်ကြောင်း ၊ စက်ရုံမှထွက်ရှိသည့် အစားအသောက် ဗူးခွံများကို လမ်းဘေးများသို့မစွန့်ပစ်စေလိုကြောင်း ပြောကြားခဲ့ ပါသည်။	
ဒေါ် ယမုံ (ဒု-လက်ထောက်ဦးစီးမှူး)	ရန်ကုန်တိုင်းဒေသကြီးမြောက်ပိုင်းခရိုင်၊ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန မှ ဒု-လက်ထောက်ဦးစီးမှူး ဒေါ်ယမုံမှ စက်ရုံမှ ထုတ်လုပ်မှုပမာဏများ၊ ပြည်တွင်းပြည်ပစုစုပေါင်းလုပ်သားဦးရေများ စက်ရုံ HR Manager သို့ မေးကြားခဲ့ပါသည်။	

Guohua Glory Company Limited 17-Jan-25

Environmental Management Plan

ဦးကျော်မြင့် (အတွင်းရေးမှူး) ရန်ကုန်တိုင်းဒေသကြီး၊ ရွှေပြည်သာဇုန် (၁) + ဝါးတစ်ရာမှုဇုန် မှ အတွင်းရေးမှူး ဦးကျော်မြင့်မှ Climate Conditions နဲ့ပက်သက်ပြီး Report တွင် ထည့်သွင်းရေးသားစေလိုကြောင်း ပြောကြားခဲ့ပါသည်။



8. CONCLUSION & RECOMMENTATION

8.1. CONCLUSION

Environmental Management Plan (EMP) has been prepared for **Guohua Glory Factory** is located at Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region, Myanmar. The main objective of the study is focused specially on the required environmental management measures or creating environmentally friendly workplace. An EMP has been carried out for the factory according to the requirement of the proponent as it has been made for CMP basic product manufacturing factory.

Thus, the factory management can take proper mitigation steps against adverse environmental impacts by following this EMP. The necessary measure to mitigate impact regarding different environmental parameter such as air, water, waste, noise has been proposed in this EMP.

However, all necessary implementation measures to mitigate adverse environmental, health and safety impacts have already been taken to meet National Environmental Quality (Emission) Guideline (2015). On the other, the factory has positive impacts in terms of environmental in the operation phase. Further, this will indirectly help in boosting up the national economic condition through foreign investment. An outline of EMP has been given in the present report to mitigate/enhance the impacts, which occurs during operation phase of the factory.

The effective implementation of the mitigation measures proposed will ensure towards good environmental management within the proposed project area. Furthermore, the environmental monitoring plan prepared as part of the EMP will provide adequate opportunities to address any residual impacts during the operation phase.

In conclusion, it has been figured out that, the proposed garment factory is going to generate local employment opportunities and enhance capabilities and working skills of employees. Consequently, their socio-economic standard is expected to be improved and undertaking corporate social responsibilities (CSR) as recommended. The study further concluded that positive impacts will be of immense benefit to the local community and national development as well.

8.2. RECOMMENTATION

This is recommended that;

- ♣ All appropriate environmental management measures detailed in this report, together with any other environmental management commitments should be implemented throughout the entire life of the factory
- Solid wastes and liquid wastes need to dispose according to YCDC rules and regulation
- Workers should be provided proper training and it should be ensured that workers use PPE during factory operation area.
- ♣ Daily, monthly and annual action plan shall be formulated based on this EMP and practiced at operation level.
- ♣ Keep full records of environmental management activities and present to annual independent third-party environment audit.
- Abide environmental policy, laws, rules and instructions of the Republic of the Union of Myanmar.

Finally, the proponent should follow the comments and suggestions made by ECD after reviewing this EMP report. Once concerned authorities approve EMP, effective implementation of EMP by the project proponent is essential. The Project Proponent shall submit monitoring report to the Ministry every six (6) months, as provided in a schedule in the EMP. The proponent should abide environmental policy, laws, rules and instructions of the Republic of the Union of Myanmar.

9. **REFERENCE**

- [1] Department of Administrative Shwe Pyi Thar Township, Regional data (www.gad.gov.mm.com).
- [2] Hla Hla Aung, "Potential Seismicity of Yangon Region (Geological Approach), "Yangon Surface Displacement as Detected by Insar Time Series Analysis" July 2011.
- [3] Ministry of Natural Resources and Environmental Conversation (MONREC), "Environmental Impact Assessment Procedure" December 2015.
- [4] Ministry of Natural Resources and Environmental Conversation (MONREC), "National Environmental Quality (Emission) Guidelines" December 2015.

APPENDIX A Company Document's Guohua Glory Company Limited



THE REPUBLIC OF THE UNION OF MYANMAR

The Myanmar Investment Commission

PERMIT

Sr. No. 988 F

Date 9/512013

Permit No. 1278/2017

Date 9 May 2017

This Permit is issued by the Myanmar Investment Commission according to the section 13, sub-section (b) of the Republic of the Union of Myanmar Foreign Investment Law-

(a)	Name of Investor/Promoter MR. HAN JIANFENG
(b)	Citizenship CHINESE
(c)	Address NO. 101, BUILDING 6, DONGDU HUAYUAN,
	ZHANGJIAGANG, JIANGSU, PEOPLE'S REPUBLIC OF CHINA
(d)	Name and Address of Principal Organization JIANGSU GUOTAL
	OVERSEAS TECHNICAL SERVICE CO., LTD. ROOM 308, JINBI MANSION,
	BEIJING ROAD, ZHANGJIAGANG FREE TRADE ZONE, PEOPLE'S REPUBLIC
	OF CHINA
(e)	Place of incorporation PEOPLE'S REPUBLIC OF CHINA
(f)	Type of investment business MANUFACTURING OF GARMENT ON
	CMP BASIS
(g)	Place(s) at which investment is permitted PLOT NO. 138, MYAY
. 5,	TAING BLOCK NO. 49, WARTAYAR INDUSTRIAL ZONE, SHWE PYI THAR
	TOWNSHIP, YANGON REGION
(h)	Amount of Foreign Capital US\$ 2.04 MILLION
(i)	Period for foreign capital brought in WITHIN TWO YEARS FROM
	THE DATE OF ISSUANCE OF MIC PERMIT
(i)	Total amount of capital (Kyat) EQUIVALENT IN KYAT OF
	US\$ 2.04 MILLION
(k)	Construction period 1 YEAR AND 6 MONTHS
(1)	Validity of investment permit 50 YEARS
(m)	Form of investment WHOLLY FOREIGN OWNED
(n)	Name of Company incorporated in Myanmar GUOHUA GLORY
1 1212	COMPANY LIMITED
	9911171111

Chairman

The Myanmar Investment Commission

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ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုတော်မရှင် ခွင့်ပြုမိန့်



ခွင့်ပြုမိန့်အမှတ် ၁၂၇၈/၂၀၁၇ ပြည်ထောင်စုသမ္မတ မြန်မာနိုင်ငံတော်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု ဥပဒေပုဒ်မ ၁၃၊ ပုဒ်မခွဲ(ခ) အရ ဤခွင့်ပြုမိန့်ကို မြန်မာနိုင်ငံ ရင်းနီးမြှုပ်နှံမှု ကော်မရှင်က ထုတ်ပေးလိုက်သည် -(က) ရင်းနီးမြှုပ်နှံသူ/ကမကထပြုသူအမည် MR. HAN JIANFENG (ခ) နိုင်ငံသား CHINESE (o) နေရပ်လိပ်စာ NO. 101, BUILDING 6, DONGDU HUAYUAN, ZHANGJIAGANG, JIANGSU, PEOPLE'S REPUBLIC OF CHINA (ဃ) ပင်မအဖွဲ့အစည်းအမည်နှင့်လိပ်စာ JIANGSU GUOTAI OVERSEAS TECHNICAL SERVICE CO., LTD. ROOM 308, JINBI MANSION, BEIJING ROAD, ZHANGJIAGANG FREE TRADE ZONE, PEOPLE'S REPUBLIC OF CHINA (c) ဖွဲ့စည်းရာအရပ် PEOPLE'S REPUBLIC OF CHINA (o) ရင်းနှီးမြှုပ်နှံသည့်လုပ်ငန်းအမျိုးအစား CMPစနစ်ဖြင့် အဝတ်အထည်အမျိုးမျိုး ချုပ်လုပ်ခြင်းလုပ်ငန်း (ဆ) ရင်းနှီးမြှုပ်နှံသည့်အရပ်ဒေသ(များ) မြေကွက်အမှတ်-၁၃၈၊ မြေတိုင်းရပ်ကွက် အမှတ်-၄၉၊ ဝါးတစ်ရာစက်မှုဇုန်၊ ရွှေပြည်သာမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး (ဇ) နိုင်ငံခြားမတည်ငွေရင်း ပမာဏ အမေရိကန်ဒေါ် လာ ၂.၀၄ သန်း (၅) နိုင်ငံခြားမတည်ငွေရင်းယူဆောင်လာရမည့်ကာလ ခွင့်ပြုမိန့် ရရှိသည့်နေ့မှ ၂ နှစ်အတွင်း (ည) စုစုပေါင်း မတည်ငွေရင်းပမာဏ(ကျပ်) အမေရိကန်ဒေါ် လာ ၂.၀၄ သန်းနှင့် ညီမျှသော မြန်မာကျပ်ငွေ (ဋ) တည်ဆောက်မှုကာလ ၁ နှစ်နှင့် ၆ လ (ဌ) ရင်းနှီးမြှုပ်နှံမှုခွင့်ပြုသည့် သက်တမ်း ၅၀ နှစ် (၃) ရင်းနှီးမြှုပ်နှံမှုပုံစံ

(ပ) မြန်မာနိုင်ငံတွင် ဖွဲ့စည်းမည့်

ို ကို (၁) ဥတ္တဋ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင် နှံ့)



Confidential

THE REPUBLIC OF THE UNION OF MYANMAR MYANMAR INVESTMENT COMMISSION No.(1), Thitsar Road, Yankin Township, Yangon

Tel: 95-1-658128

Our ref: MIC-3/FI-1461/2017(488-F)

Fax:95-1-658141

Date : 9 May 2017

Subject:

Decision of the Myanmar Investment Commission on the Proposal for "Manufacturing of Garment on CMP basis" under the name of "Guohua Glory Company Limited"

Reference: Guohua Glory Company Limited Letter dated (28-12-2016)

- 1. The Myanmar Investment Commission, at its meeting (6/2017) held on (5-4-2017), had approved that the proposal for investment in "Manufacturing of Garment on CMP basis" under the name of "Guohua Glory Company Limited" submitted by Jiangsu Guotai Overseas Technical Service Co., Ltd. (99.5%) and Jiangsu Guotai International Group Guohua Corp., Ltd. (0.5%) from People's Republic of China as a wholly foreign owned investment.
- 2. Hence, the "Permit" is herewith issued in accordance with Chapter VII, section 13(b) of the Foreign Investment Law and Chapter VIII, Rule 49 of the Foreign Investment Rules relating to Foreign Investment Law. Terms and conditions to the "Permit" are stated in the following paragraphs.
- 3. The permitted duration of the project shall be 50 (fifty) years and extendable for 10 (ten) years in 2 (two) times commencing from the date of the issuance of Myanmar Investment Commission's permit. The term of the Lease Agreement for Land and Buildings shall be 30(thirty) years commencing from the date of signing of the Lease Agreement between Daw Wai Wai Htwe (Lessor) and Guohua Glory Company Limited (Lessee) and extendable for further term with the negotiation between the Lessor and the Lessee subject to the approval of Myanmar Investment Commission. On the expiry of the lease period for land, Guohua Glory Company Limited shall have to transfer the Leased land and buildings in good condition.
- 4. The annual rent for the land shall be US\$ 15733 (United States Dollar fifteen thousand, seven hundred and thirty-three only) calculated of the total area of the land measuring 14325.884 square metres(3.54acres) out of 12.985 acres.

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- 5. In issuing this "Permit", being applied within the time frame of the Notification No. 123/2016(16-11-2016) issued by the Myanmar Investment Commission, the Commission has granted the following exemptions and reliefs as per Chapter XII, section 27(a), (h), (i) and (k) of Foreign Investment Law. Other exemptions and reliefs under section 27 shall have to be applied upon the actual performance of the project:-
 - (a) As per section 27(a), income tax exemption for a period of five consecutive years including the year of commencement on commercial production;
 - (b) As per section 27(h), exemption or relief from customs duty or other internal taxes or both on machinery, equipment, instruments, machinery components, spare parts and materials used in the business, which are imported as they are actually required for use during the period of construction of business;
 - (c) As per section 27(i), exemption or relief from customs duty or other internal taxes or both on raw materials imported for production for the first three-year after the completion of construction of business;
 - (d) As per section 27(k), exemption or relief from commercial tax on the goods produced for export.
- 6. Guohua Glory Company Limited shall have to sign the Lease Agreement for Land and Buildings with Daw Wai Wai Htwe. After signing the agreement, (5) copies shall have to be forwarded to the Commission.
- 7. Guohua Glory Company Limited in consultation with the Company Division, Directorate of Investment and Company Administration shall have to be registered. After registration, (5) copies each of Certificate of Incorporation, Memorandum of Association and Articles of Association shall have to be forwarded to the Commission.
- 8. Guohua Glory Company Limited shall use its best efforts for timely realization of work stated in the proposal. If none of such work has been commenced within one year from the date of issue of this "Permit", it shall become null and void.
- 9. Guohua Glory Company Limited has to abide by Chapter X, Rules 58 and 59 of the Foreign Investment Rules for construction period.

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- 10. As per Chapter X, Rule 61 of the Foreign Investment Rules, extension of construction period shall not be allowed more than twice except it is due to unavoidable events such as natural disasters, instabilities, riots, strikes, emergency of State condition, insurgency and outbreak of wars.
- 11. As per Chapter X, Rule 63 of the Foreign Investment Rules, if Guohua Glory Company Limited cannot construct completely in time the construction period or extension period, the Commission will have to withdraw the permit issued to the investor and there is no refund for the expenses of the project.
- 12. The investor or promoter shall apply the commencement date of commercial operation with Form (11) for their manufacturing business and report to the Commission in accordance with Foreign Investment Rule 97.
- Guohua Glory Company Limited shall endeavour to meet the targets for production and export stated on the proposal as the minimum target.
- 14. The Commission approves periodical appointments of foreign experts and technicians from abroad as per proposal and also in accordance with Chapter XI, section 24 and section 25 of Foreign Investment Law and Guohua Glory Company Limited has to follow the existing Labour Laws for the recruitment of staffs and labours and for training accordingly on Chapter XIII, Rule 84 of the Foreign Investment Rules.
- 15. In order to evaluate foreign capital and for the purpose of its registration in accordance with the provisions under Chapter XV, section 37 of Foreign Investment Law, it is compulsory to report as early as possible in the following manner:-
 - (a) the amount of foreign currency brought into Myanmar, attached with the necessary documents issued by the respective bank where the account is opened and defined under Chapter XVI, Rules 134 and 135 of the Foreign Investment Rules;
 - (b) the detailed lists of the type and value of foreign capital defined under Chapter I, section 2(i) of the Foreign Investment Law, other than foreign currency.
- 16. Whenever Guohua Glory Company Limited brings in foreign capital defined under Chapter I, section 2(i) of the Foreign Investment Law, other Confidential

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than foreign currency in the manner of paragraph 15(b) mentioned above, the Inspection Certificate endorsed and issued by an internationally recognized Inspection Firm with regard to quantity, quality and price of imported materials shall have to be attached.

- 17. Guohua Glory Company Limited has the right to make account transfer and expend the foreign currency from his bank account in accordance with Chapter XVI, Rule 136 of the Foreign Investment Rules and for account transfer of local currency generated from the business to the local currency account opened at the bank by a citizen or a citizen-owned business in the Union and right to transfer back the equivalent amount of foreign currency from the foreign currency bank account of a citizen or citizen-owned business by submitting the sufficient document in accordance with Chapter XVII, Rule 145 of the Foreign Investment Rules.
- 18. Guohua Glory Company Limited shall report to the Commission for any alteration in the physical and financial plan of the project. Cost overrun, over and above the investment amount pledged in both local and foreign currency shall have to be reported as early as possible.
- 19. Guohua Glory Company Limited shall be responsible for the preservation of the environment at and around the area of the project site. In addition to this, it shall carry out as per instructions made by Ministry of Natural Resources and Environmental Conservation in which to conduct Environmental Management Plan (EMP) which describe the measure to be taken for preventing, mitigation and monitoring significant environmental impacts resulting from the implementation and operation of proposed project or business or activity. It shall have to prepare, submit and perform activities in accordance with this EMP and to abide by the environmental policy, Environmental Conservation Law and other environmental related rules and procedures.
- 20. After getting permit from Myanmar Investment Commission, Guohua Glory Company Limited shall have to be registered at the Directorate of Industrial Supervision and Inspection.
- 21. Guohua Glory Company Limited shall have to abide by the Fire Services Department's rules, regulations, directives and instructions. Moreover, fire

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prevention measures shall have to be undertaken such as water storage tank, fire hooks, sand bags, fire extinguishers and provide training to use the fire fighting equipment and also to be appointed the fire safety officer.

- 22. Payment of principal and interest of the loan (if any) as well as payment for import of raw materials and spare parts etc., shall only be made from export earnings (CMP charges) of Guohua Glory Company Limited.
- 23. Guohua Glory Company Limited in consultation with Myanma Insurance shall effect such types of insurance defined under Chapter XII, Rules 79 and 80 of Foreign Investment Rules.

(Kyaw Win) .Chairman

Guohua Glory Company Limited

cc: 1. Office of the Government of the Republic of the Union of Myanmar

- 2. Ministry of Home Affairs
- 3. Ministry of Natural Resources and Environmental Conservation
- 4. Ministry of Labour, Immigration and Population
- 5. Ministry of Industry
- 6. Ministry of Commerce
- 7. Ministry of Planning & Finance
- 8. Office of the Yangon Region Government
- 9. Chairman, CMP Enterprises Supervision Committee
- 10. Director General, Department of Environmental Conservation
- 11. Director General, Directorate of Labour
- 12. Director General, Immigration Department
- 13. Director General, Directorate of Industrial Supervision and Inspection
- 14. Director General, Department of Trade
- 15. Director General, Directorate of Investment and Company Registration
- 16. Director General, National Archives Department
- 17. Director General, Customs Department
- 18. Director General, Internal Revenue Department

Confidential

APPENDIX B

Expertise Licenses, Organization Licenses and Information of Supporting Member



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

The Government of the Republic of the Union of Myanmar

သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန



Ministry of Natural Resources and Environmental Conservation

ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန

Environmental Conservation Department

ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ငန်းလိုင်စင် (အဖွဲ့ အစည်း)

Environmental Impact Assessment License (Organization)

Myanwei Environmental Solutions Co., Ltd. ကုမ္ပဏီမှတ်ပုံတင်အမှတ်- ၁၂၆၀၂၄၃၁၂ အား အကြံပေးအဖွဲ့ အမျိုးအစား(ခ) အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့ အစည်းလုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့်အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေး လိုက်သည်။

It is hereby issued that Myanwei Environmental Solutions Co., Ltd.: Registration No. 126024312 has fulfilled the requirements for an Environmental Impact Assessment License to conduct as an Consulting Organization (B) under the Licensing Procedure for the Third Persons or Organizations Undertaking Initial Environmental Examination and Environmental Impact Assessment, approved by the Ministry of Natural Resources and Environmental Conservation.

လိုင်စင်နံပါတ် License Number

: EIA-CO(B)001/2024

ထုတ်ပေးသည့် ရက်စွဲ Date of Issue

: 30-7-2024

ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry

: 29-7-2027



(သိန်းတိုး) ညွှန်ကြားရေးမှူးချ



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ The Government of the Republic of the Union of Myanmar သယံဧာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန Ministry of Natural Resources and Environmental Conservation ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန



Environmental Conservation Department ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ငန်းလိုင်စင် (ပုဂ္ဂိုလ်)

Environmental Impact Assessment License (Individual)

ဦးလင်းထက်စိန်၊ ၇/သကန(နိုင်)၁၀၁၃၇၇ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာလုပ်ထုံးလုပ်နည်းနှင့် အညီ ဤဝန်ကြီးဌာန၏ အသည်ကြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that U Lin Htet Sein, 7/ThaKaNa(N)101377 has fulfilled the requirements for obtaining an Environmental Impact Assessment License to conduct as an Associate Consultant under the Licensing Procedure for the Third Persons or Organizations Undertaking Initial Environmental Examination and Environmental Impact Assessment, approved by the Ministry of Natural Resources and Environmental Conservation.

လေ့လာဆန်းစစ်ခွင့်ရှိသည့် ကျွမ်းကျင်မှုနယ်ပယ်များမှာ အောက်ပါအတိုင်းဖြစ်သည်– The areas of expertise, eligible to be conducted, are as follows:

1. အတွေထွေပတ်ဝန်းကျင်စီမံခန့်ခွဲခြင်း (General Environmental Management)

2.

3

4.

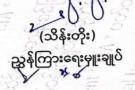
လိုင်စင်နံပါတ် License Number ထုတ်ပေးသည့် ရက်စွဲ Date of Issue ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry

: EIA-AC 053/2023

: 1-12-2023

: 30-11-2026







ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ The Government of the Republic of the Union of Myanmar သယံဧာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန Ministry of Natural Resources and Environmental Conservation ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန



Environmental Conservation Department ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ငန်းလိုင်စင် (ပုဂ္ဂိုလ်)

Environmental Impact Assessment License (Individual)

ဦးထွန်းလင်းကျော်၊ ၈/ပဖန(နိုင်)၁၀၃၉၅၅ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that U Tun Lin Kyaw, 8/PaPhaNa(N)103955 has fulfilled the requirements for obtaining an Environmental Impact Assessment License to conduct as an Associate Consultant under the Licensing Procedure for the Third Persons or Organizations Undertaking Initial Environmental Examination and Environmental Impact Assessment, approved by the Ministry of Natural Resources and Environmental Conservation.

လေ့လာဆန်းစစ်ခွင့်ရှိသည့် ကျွမ်းကျင်မှုနယ်ပယ်များမှာ အောက်ပါအတိုင်းဖြစ်သည်– The areas of expertise, eligible to be conducted, are as follows:

1. လူမှုရေးဆိုင်ရာ လေ့လာခြင်းနှင့် သရုပ်ခွဲဆန်းစစ်ခြင်း (Social Study and Analysis)

2.

3.

4.

လိုင်စင်နံပါတ် License Number ထုတ်ပေးသည့် ရက်စွဲ Date of Issue ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry

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: 1-12-2023

30-11-2026



(သိန်းတိုး) ညွှန်ကြားရှေးမှူးချုပ်



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
The Government of the Republic of the Union of Myanmar
သယံဒေတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
Ministry of Natural Resources and Environmental Conservation
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန
Environmental Conservation Department
ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ငန်းလိုင်စင် (ပုဂ္ဂိုလ်)

Environmental Impact Assessment License (Individual)

ဦးကောင်းဆက်လွင်၊ ၁၄/ဘကလ(နိုင်)၂၃၉၂၉၁ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံး လုပ်နည်းနှင့်အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that U Kaung Sett Lwin, 14/BaKaLa(N)239291 has fulfilled the requirements for obtaining an Environmental Impact Assessment License to conduct as an Associate Consultant under the Licensing Procedure for the Third Persons or Organizations Undertaking Initial Environmental Examination and Environmental Impact Assessment, approved by the Ministry of Natural Resources and Environmental Conservation.

လေ့လာဆန်းစစ်ခွင့်ရှိသည့် ကျွမ်းကျင်မှုနယ်ပယ်များမှာ အောက်ပါအတိုင်းဖြစ်သည်-The areas of expertise, eligible to be conducted, are as follows:

1. ဘူမိဆိုင်ရာ ဆန်းစစ်လေ့လာခြင်း (Geological Assessment)

7.

3.

လိုင်စင်နံပါတ် License Number ထုတ်ပေးသည့် ရက်စွဲ Date of Issue ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry : EIA-AC 055/2023

: 1-12-2023

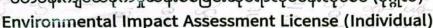
: 30-11-2026



(သိန်းတိုး) ညွှန်ကြားရေးမှူးချုပ်



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
The Government of the Republic of the Union of Myanmar
သယံဧာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
Ministry of Natural Resources and Environmental Conservation
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန
Environmental Conservation Department
ပတ်ဝန်းကျင်ထိနိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ငန်းလိုင်စင် (ပုဂ္ဂိုလ်)



ဦးစောရန်နောင်၊ ၁၂/အစန(နိုင်)၂၂၂၂၅၀ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် အညီ ဤဝန်ကြီးဌာန၏ အဘည်ဂြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that U Saw Yan Naung, 12/AhSaNa(N)222250 has fulfilled the requirements for obtaining an Environmental Impact Assessment License to conduct as an Associate Consultant under the Licensing Procedure for the Third Persons or Organizations Undertaking Initial Environmental Examination and Environmental Impact Assessment, approved by the Ministry of Natural Resources and Environmental Conservation.

လေ့လာဆန်းစစ်ခွင့်ရှိသည့် ကျွမ်းကျင်မှုနယ်ပယ်များမှာ အောက်ပါအတိုင်းဖြစ်သည် – The areas of expertise, eligible to be conducted, are as follows:

1. လူမှုရေးဆိုင်ရာ လေ့လာခြင်းနှင့် သရုပ်ခွဲဆန်းစစ်ခြင်း (Social Study and Analysis)

2.

3.

7

လိုင်စင်နံပါတ် License Number ထုတ်ပေးသည့် ရက်စွဲ Date of Issue ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry

: EIA-AC 054/2023

: 1-12-2023

: 30-11-2026



(သိန်းတိုး) ညွှန်ကြားရေးမှူးချပ်



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
The Government of the Republic of the Union of Myanmar
သယံဧာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
Ministry of Natural Resources and Environmental Conservation
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန



Environmental Conservation Department

ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ငန်းလိုင်စင် (ပုဂ္ဂိုလ်)

Environmental Impact Assessment License (Individual)

ခေါ် ဆုမြတ်လှိုင်၊ ၁၂/ဥကတ(နိုင်)၁၇၉၇၀၁ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့ အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that **Daw Su Myat Hlaing, 12/OuKaTa(N)179701** has fulfilled the requirements for obtaining an Environmental Impact Assessment License to conduct as an **Associate Consultant** under the Licensing Procedure for the Third Persons or Organizations Undertaking Initial Environmental Examination and Environmental Impact Assessment, approved by the Ministry of Natural Resources and Environmental Conservation.

လေ့လာဆန်းစစ်ခွင့်ရှိသည့် ကျွမ်းကျင်မှုနယ်ပယ်များမှာ အောက်ပါအတိုင်းဖြစ်သည်-

The areas of expertise, eligible to be conducted, are as follows:

1. လေထုညစ်ညမ်းမှုစောင့်ကြပ်ကြည့်ရှုခြင်း (Air Pollution Monitoring)

2.

3.

4.

5.

လိုင်စင်နံပါတ် License Number ထုတ်ပေးသည့် ရက်စွဲ Date of Issue

ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry

: EIA-AC 101/2024

: 30-6-2024

: 29-6-2027



(သိန်းတိုး) ညွှန်ကြားရေးမှူးချုပ်

Information of Supporting Member

AUNG YE THAW

B.SC GEOLOGY

Education

Bachelor of Science Geology

Experience

2023 July-Present, Environmental Department, MYANWEI Environmental Solutions Company Limited

Contact

Aungyethaw4@gmail.com env@myanweiconsulting.com +959 950721400 Aung Ye Thaw graduated a Bachelor of Science (Qualified; Geology) from University of Maubin. 3 years experience in geology field trip in Mynmar around Kyaukse Area, Sagaing Area, Tharsi Area and Pawkhan-Monepinsone-Minpone Taungchay-Taungpusar Area of Mandalay Division, Ywarngan-YeU Area in Kalaw Region . 3 years experience in measuring the land Surveying and writing Geological field report during the field trip.

I have 3 months experience in Geotechnical Engineering project. I have successfully completed on Environmental Studies Online Learning Course organized by Environmental Edu-Tech Alumni Association. I worked as a junior geologist in a gold exploration project serviced by Myanmar Earth Resources.

Aung Ye Thaw is representing as a Junior Environmental Specialist of Myanwei Environmental Solutions Company Limited at Environmental sector. Since, July 2023 to present, MYANWEI services for environmental management of industrial sectoris described in following table;

No	Client	Responsibilities	Project
1	Min Dhama Steel Structures Co., Ltd.	Primary/ Secondary data surveying, geological mapping, report writing planning of environment management, impact assessment and mitigation measurement.	Environmental Management Plan
2	Paddy Star Co., Ltd.	Primary/ Secondary data surveying, geological mapping, report writing	Environmental Management Plan

		planning of anying and	
		planning of environment	
		management, impact	
		assessmentand mitigation	
20070	No. 100 100 100 100 100 100 100 100 100 10	measurement.	
3	Wonderful Apparel Co., Ltd.	Primary/ Secondary data	Environmental
		surveying, geological mapping,	ManagementPlan
		report writing planning of	
		environment management,	
		impact assessment and	
		mitigation measurement.	
4	Dagon Talent Co., Ltd.	Primary/ Secondary data	Environmental
		surveying, geological mapping,	ManagementPlan
		planning of environment	
		management, impact	
		assessment and mitigation	
		measurement.	
5	Myanmar Sincerece Co., Ltd.	Primary/ Secondary data	Environmental
		surveying, geological mapping,	ManagementPlan
		report writing planning of	
		environmental management,	
		impact assessment and	
		mitigation measurement.	
6	Fishery Pond Co., Ltd.	Primary/ Secondary data	Environmental
		surveying, geological mapping,	ManagementPlan
		report writing planning of	
		environmental management,	
		impact assessment and	
-	M	mitigation measurement.	<u> </u>
7	Myanmar York Fashion Co., Ltd.	Primary/ Secondary data	Environmental
		surveying, geological mapping,	ManagementPlan
		report writing	
	Basak Candan Cannant Called	planning of environment	Environmental
8	Peach Garden Garment Co., Ltd.	Primary/ Secondary data	Environmental Management Plan
		surveying, geological mapping,	ManagementPlan
		report writing, planning of	
		environment management,	
		impact assessment and	
		mitigation measurement.	











APPENDIX C Monitoring Result

Air Quality Result



No. (001),17 Residence, Min Ye Kyaw Swar Street, Yankin Township, Yangon Region, The Republic of the Union of Myanmar.

Office: (+95) 9777929885, 9777922169, Mobile: (+95) 9421137569; Website: www.myanweiconsulting.com

Project Name:	Guohua Glory Company Limited	
Project Location:	Land Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial	
	Zone, Shwe Pyi Thar Township, and Yangon Region.	
Sampling Date:	23 November to 24 November 2024	
Sampling Time:	10:00 AM to 10:00 AM	
Sampling	Good	
Condition:		
Sampling By:	Environmental Team Represented by Myanwei Environmental Solutions Company	
	Limited.	

Instrument	Туре	Sampling Rate	Location
Haz-Scanner	Environmental	1 second to 21	Outdoor Area
	Perimeter Air Station	weeks	Indoor Area

National Environmental Quality (Emission) Guideline

Parameter	Averaging period	Guideline value	Unit	
	1-year	20	7 7 3	
PM_{10}^{a}	24-hours	50	$(\mu g/m^3)$	
	1-year 1		((2)	
PM _{2.5} ^b	24-hours	25	$(\mu g/m^3)$	
O ³	8 hours 100		(µg/m³)	
ROSSING.	1-year	40	()	
NO ₂	1-hour	200	(μg/m³)	
520078	24-hours	20		
SO ₂	10-min	500	(μg/m³)	

a. Particulate matter 10 micrometer or less in diameter

b. Particulate matter 2.5 micrometer or less in diameter

Monitoring Result

Parameters	Observed value	Guideline value	Unit	Guideline	Period			
Outdoor Air Quality								
PM ₁₀	16.07	(=0	μg/m³	NG	24 hrs			

Parameters	Observed value	Guideline value	Unit	Guideline	Period			
Outdoor Air Quality								
PM _{2.5}	11.11	50	μg/m³	NEQEGs	24 hrs			
Nitrogen dioxide	19.25	25	μg/m³	NEQEGs	1 hr			
Sulfur dioxide	2.28	200	μg/m³	NEQEGs	24 hrs			
Ozone	19.68	20	μg/m³	NEQEGs	8 hrs			
Carbon Monoxide	0.5	100	μg/m³	NEQEGs	24 hrs			
TSP	20.33	×	μg/m³	NG	24 hrs			

LIN HTET SEIN EMP STUDY TEAM LEADER

Noise Result



No. (001),17 Residence, Min Ye Kyaw Swar Street, Yankin Township, Yangon Region, The Republic of the Union of Myanmar.

Office: (+95) 9777929885, 9777922169, Mobile: (+95) 9421137569; Website: www.myanweiconsulting.com

Project Name: Guohua Glory Company Limited

Project Location: Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone,

Shwe Pyi Thar Township, and Yangon Region.

Sampling Date: 23 November 2023 Sampling Time: 10:00 AM to 4:00 PM

Sampling Good

Condition:

Sampling By: Environmental Team Represented by Myanwei Environmental Solutions Company

Limited.

Instrument	Туре	Sampling Rate	Location
Digital Sound Level Meter	GM 1356 USB	70 dBA	Indoor Area/ Outdoor Area

National Environmental Quality (Emission) Guideline

	One Hour Laeq (dBA)	Guideline value
	Daytime	Nighttime
Receptor	7:00-22:00 (10:00-22:00	22:00-7:00 (22:00-10:00
	for public holidays)	for public holidays)
Residential,		
Institutional,	55	AF
Educational	55	45
Institutional,		
Commercial	70	70

Noise Level Measurement Result

Date and Time	Location	GPS Value	Result Value	NEQEGs Value
23 rd November 2023 (10:00 am to 4:00 pm)	Indoor Area	16°58′36.55"N 96° 3′4.61"E	69.8 dBA	70 dBA

LIN HTET SEIN EMP STUDY TEAM LEADER

Light Result

Project Name: Guohua Glory Company Limited

Project Location: Plot No. (138,139,140), Myay Taing Block No.49, Wartayar Industrial Zone, Shwe Pyi Thar Township, and Yangon Region.

Sampling Date: 23 November 2023

Sampling Time: 10:00 AM to 4:00 PM

Sampling Good

Condition:

Sampling By: Environmental Team Represented by Myanwei Environmental Solutions Company Limited.

Instrument	Туре	Sampling Rate	Location
Unit-T (Luminometer)	UT380 Series	100 times/second	Operation Area

IESNA Lighting Handbook

Department	Type of Light	Wattage of Light	Lux Level
Warehouse	Fluorescent tube light	40 W	300
Sewing floor	LED tube light	20 W (T8)	400
Cutting floor	LED tube light	22 W (T8)	1000
Finishing	LED tube light	28 W (T8)	600
Inspection points	LED tube light	28 W (T8)	900 (except 1500 at audit tables)
Sampling	LED tube light	22 W (T8)	500
Office areas	Fluorescent tube light	36 W (T)	300

Result of light measurement in GuoHua Glory Company Limited

No	Location	Measured Value (Lux)	Standard*
1	Warehouse Area	192.3	300

No	Location	Measured Value (Lux)	Standard*
2	Cutting Area	840	1000
3	Sewing Area	820	400
4	Quality Control Area	1255	1500
5	Ironing Area	634	500
6	Packaging Area	735	600

LIN HTET SEIN EMP STUDY TEAM LEADER

APPENDIX D Water Quality Result

Drinking Water Quality Result





ant: 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)

W0923 050

Issue Date - 01-12-2012 Effective Date - 01-12-2012 Issue No - 1.0/Page 1 of 1

WATER QUALITY TEST RESULTS FORM

Client	Guohua Glory Co.,Ltd.	
Nature of Water	Treated Water	
Location	Wartayar Industrial Zone	
Date and Time of collection	2.9.2023	
Date and Time of arrival at Laboratory	4.9.2023	
Date and Time of commencing examination	5.9.2023	
Date and Time of completing	7.9.2023	

Results of Water Analysis

WHO Drinking Water Guideline (Geneva - 1993)

pH	7.0		6.5 - 8.5
Colour (True)	Nil	TCU	15 TCU
Turbidity	Nil	NTU	5 NTU
Conductivity	36	micro S/cm	
Total Hardness	4	mg/l as CaCO ₃	500 mg/l as CaCO ₃
Calcium Hardness	2	mg/l as CaCO ₃	
Magnesium Hardness	2	mg/l as CaCO ₃	
Total Alkalinity	12	mg/l as CaCO ₃	
Phenolphthalein Alkalinity	Nil	mg/l as CaCO ₃	
Carbonate (CaCO ₃)	Nil	mg/l as CaCO ₃	
Bicarbonate (HCO ₃)	12	mg/l as CaCO ₃	
Iron	0.04	mg/l	0.3 mg/l
Chloride (as CL)	7	mg/l	250 mg/l
Sodium Chloride (as NaCL)	12	mg/l	
Sulphate (as SO ₄)	Nil	mg/l	500 mg/l
Total Solids	18	mg/I	1500 mg/l
Total Suspended Solids	Nil	mg/l	
Total Dissolved Solids	18	mg/l	1000 mg/l
Manganese	Nil	mg/l	0.05 mg/l
Phosphate	Nil	mg/l	
Phenolphthalein Acidity	2	mg/l	
Methyl Orange Acidity	Nil	mg/l	
Salinity	0.1	ppt	

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

Tested by
Signature:

Name:

Name:

Signature:

Soe Thit

Signature:

Soe Thit

Name:

Soe Thit

Name:

Soe Thit

Name:

Soe Thit

Soe T

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

Domestic Wastewater Result

ALARM Ecological Laboratory

Water Testing Result Report



Report Number: EL-WR-23-0	226				Date: November 30, 2023
Client Information			Sample Information		
Client Name	:	GuoHua Glory Company Limited	Sample ID	:	10397
Organization	:	Myanwei	Sample Name	:	Domestic Waste Water
Client ID	:	-	Sample Type / Source	:	Drainage
Registration Date & Time	:	23.11.2023	Sampling Date & Time	:	23.11.2023
Contact	:	09-68883113	Sample Location	:	Wartayar Industrial Zone
Email	:	env@myanweiconsulting.com	Latitude	:	-
Testing Purpose	:	-	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 Standard	Remarks
1	pH ¹	6	S.U	6.0 - 9.0 ^d	Normal
2	Temperature ²	28.9	°C	±3* ^d	-
3	Colour ³	14	HU	-	-
4	TSS ³	18	mg/L	≤50 ^d	Normal
5	BODs 6	7	mg/L	≤ 50 ^d	Normal
6	COD ³	38	mg/L	≤ 250 ^d	Normal
7	Oil & Grease 9	4	mg/L	≤ 10 ^d	Normal

"ND" = Not Detected	"LOD" = Lower limit of detection	" - " = No Reference Standard
Tested by	Checked by	Approved by
Daw Mar Man Kaine Lab (Technician M Beological Laboratory	Daw Lin My Lyyat Aung Lab. Tecynician I Ecological Laboratory ALARM	Dr. Aye Ave Win Laboratory (Marge Ecological Laboratory (ALARM)

No.237, Corner of Shu Khin Thar Street & 7 Street, (3) Block, South Oakkalapa Township, Yangon. Tel: 09-407496078, Email: aelab.2022@gmail.com

APPENDIX E Boiler Certificate



ဘွိုင်လာယာယီအသုံးပြုခွင့်လက်မှတ် { လုပ်ထုံးလုပ်နည်း အပိုဒ် ၆ အပိုဒ်ခွဲ (ဆ) }

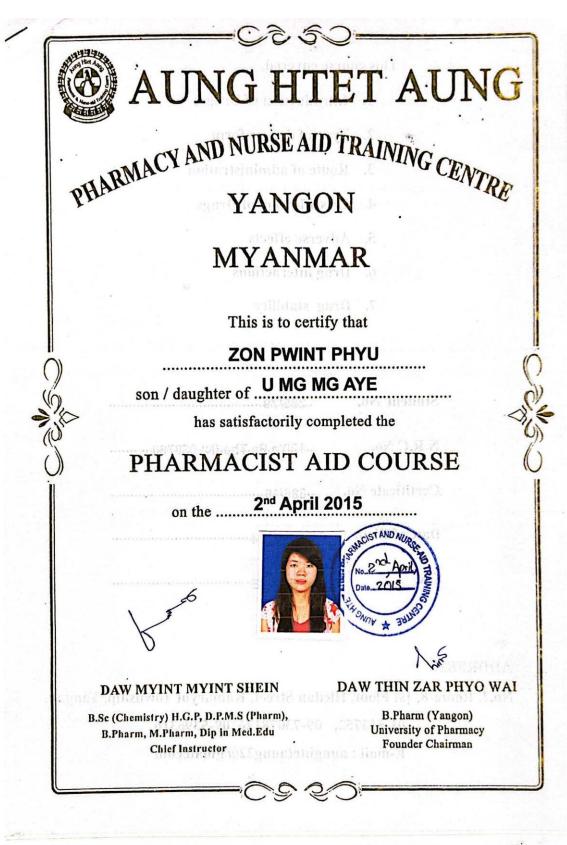
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ခွင့်ပြုဖိအား \bigcirc \cdot \Box \cup
ယင်းကာလအပိုင်းအခြားကျော်လွန်သည့်အခါ ထုတ်ပေးထားသည့် ဤယာယီအသုံးပြုခွင့်လက်မှတ်
ပျက်ပြယ်စေရမည်။

ဘွိုင်လာစစ်ဆေးရေးမှူး ခုတိယညွှန်ကြားရေးမှူး (ဘွိုင်လာစစ်ဆေးရေး) ရန်ကုန်တိုင်းဒေသကြီး

မှတ်ချက်။ ။ ဘွိုင်လာဥပဒေပုဒ်မ ၁၅ပါ ပြဋ္ဌာန်းထားသည့် သက်ဆိုင်ရာအစိုးရဋ္ဌာနအဖွဲ့အစည်းက လိုအပ်၍ တောင်းဆိုသည့်အခါ ဤလက်မှတ်ကို တင်ပြရမည်။

APPENDIX F First Aid Certificate





AUNGSINKYAR

Technical Service Company Limited (Yangon)

Nurseaid Training Centre

No (5/C3), U Tun Lin Street, Ka Mar Yutt Township. Ph; 09-5158638,09-8622237

Certificate of Nurseaid

This is to certify that

Ms/Mr Zon Pwint Phyu N.R.C No. son/daughter of

Mr . Maung Maung Aye. was examined and successfully completed the following courses.

- 1. Nursing Foundation
- 2. Anatomy and Physiology
- 3. Pharmacology, Microbiology and personal Hygiene
- 4. Maternal and Child Health Care



HNIN PWINT YEE
BN.Sc

Chief Instructor AUNGSINKYAR Pharmacistaid & Nurseaid

Training Centre

Date: 6.12.13

Certificate No: 31/3

LIN ZAR NI SHWE B.E (Nuclear Engineering)

Managing Director

AUNGSINKYAR

Pharmacistaid & Nurseaid

Training Centre

APPENDIX G Fire Safety Certificate



APPENDIX H Public Consultation Attendant List

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APPENDIX I Public Consultation Meeting Power Point

12/26/2024 12/26/2024





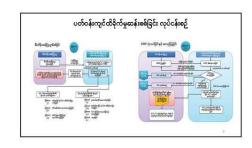


ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီရင်ခံစာ (EMP) ၏ လုပ်ငန်းစဉ်များအား မိတ်ဆက်ခြင်း

12/26/2024

12/26/2024





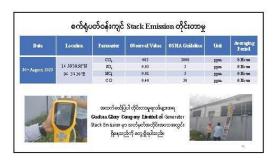


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Myanwei Environmental Solutions Company Limited

12/26/2024 12/26/2024









12/26/2024 12/26/2024





Date	Location	Farameter	Observed Value	OSHA Grideline	Unit	Averaging Ferio 1
	1: 3838.92'N	co,	+48	3000	ppm	8 Hous
10+ August, 2023	96 3'6 SL'E	80,	0.01	5	ppm	8 House
	34 3 FM E	HO,	0	3	ppm	8 Hous
		co	0.79	50	ppm	8 House
		Gudhua Glary i itack Emission ec	ပါ တိုင်သာမှုရလဒ်မျာ Company Limited စါ သေတ်ခုတ်အတိုင်အဝ သိတို တွေ့ရှိရပါသည်။	Bailer Sala		

ဝတ်ဝန်းတွင် အရည်အတွင်	oplake@ploakakakkkkkkk	တွေ့နည်းစေရေး ပေါ်ခွဲ မေသင်ဂွယ်သားမှုရား
#0.mg	ောက်လုံးသုံးလုံကြားေတာ့ရှိတွေ သာသီးလုံးများလုံးရေး အလုံးရပြီးရာ ရန်ရင် လုံးရိန်သီးလောင္သားေတာ့ လုံးရိန်ခြင် မိတ်ကို ရန်ရင်တွေကို ကော်လွှင့်ရေးမှ မောက်လုံးသည် မိတ်ကို ရန်ရင်တွေကို ရန်မာပ်တွည်ရေးမှ မောက်ပါသော အခဲ့သားကိရးမှ ထုတ်မိန်ခြင် အတွင်ခြင်းရေး အခဲ့ရှိရေးကိုနိုင်ပြီး	မ်းမော် လိုင်လည်း လက်သည်လေးသေး ကောင်မှုရဲ့မှ မိန်ပင်မိတ် ပိုခဲ့ ဆိမားခြင်းနှင့် မိန်မာဆိုပြင်းပြောင်းသည့် မြို့ပြောင်း သည်လည်း မိန်မြို့ပြောင်း ရှားပြောပြင်း ရှေ့မိုးရေးမှာသည် သင်းမိုးရမ်းကိုသည်ပြင်း ဆင်ပည်ဆောင်သာသည့် ပို့ပေါ်ကြသည် မိန်မောင်များရှိ နှစ်မည်ပြီးမှုနှစ်မြို့ ရန်မိန်မြို့ သည် ပိန်မာလည်းရှိ နှစ်မော်လို့မိုးရန်မိန်မိုင်း မိန်မောင်သည် မိန်မောင်မှာ သည်လိုင်းများကိုသည်။ သည် ပိန်မာလည်းရှိ နှစ်မော်လို့မှုရှိသည်။ မိန်မာတွင် သည့်ပို့သည့်မြို့ပို
-George	ောက်သုံး၏များ သုံးလှေသိထာရှိထုမှ ယိုလုံးများ ခြင်းပေါင်၏ခဲ့ခြင်	ာ စက်သုံးကိုသို့များကိုသာရှိသည့် ချေရာစား Concrete စစ်တာစေသာမြောင့် မြောင်လှာတော့ပို ယုံမြေမှာ(၁ မြန်မာ) နိုင်ငန်
m(m)	والمراجعة والموالية وأرتبه والمؤسونة وعادية والمراجعة	င်မှ ရန်ယင်လေ့ထွက်ရှိမှ မြောင်
appled	· မိမက်မှန့် သိုက်လာထောင်မှစ်ရာမှ ရာညီလ ရာက်ပေါ်နှစ်	 မီးကိုမှင့် ကိုင်လာရ အားေသီးသန်ားခရီးဖြင့် အာရခြင်း အာရွည်းပဲ ရောက်ရှိမှ မရိုးအရန် မီးကိုမှင့် ကိုင်းသောပုံအား ဆုတ်လှည်မှု မရိုးသောင လိုလောက်သား အကွာအားကွော် အာရခြင်း
ရုန်တ်လည်း (အနိုင်သန်)	 ထားပါးစည်ရှိလည်းပြောတွင် ရာကိုခဲ့သည် ပိုင်ပြုပြင်းများ ထောင်း။ စသင အမောက်ချင်း ရာကိုခြဲရာတွင် အသို့ခြဲသည့် Ratio Wings ရုံး အခေ သက် အောင်း ရားမေရာကသို့ရှင် ရှားရေးမှ နှုပ်ချော်များခဲ့သ အခြင်းသည် ရားကိုခြဲသည့် ပြုချင်း အခြင်းသည် ရာကိုခြဲသည့် ပြုချင်း 	ောင်းငန်းဆိုမှ ထွက်ရှိသည့် ရန်းကိုအရက်ရေးမှန် ဝန်းဆန်ရေး၏ အာဏွာထူး မှန်းခဲ့အပြင်း 2009/PDEC နှင့် ရိုင်စာတစ်၌ ခြင်းရန်းခဲ့ခြင်း ောင့်နီးသာမှ ရန်းခဲ့ခြင်းလေ့ ပျင်လာသည့် အာညီးနှင့် တစ်လက်လေးကြန် ရန်းခဲ့ခြင်း
पूर्वको (स्वव <u>ूर्</u> ध)	း အားကသားပါတောင်မှင့် လောင်အားကောက်ရသမှ ရှန်တွင်တွေ	ေရာင်းခဲ့ခြင်းရသေး ရော်အထူသလောင်မှုခဲ့အရပို ပုံရှင်းပိုင်းရေး ပြုလုံခြင်း ပါးလေကို တနော်တွေနဲ့ ရန်ကြီး VCCC ရန် ပါးလေကို ရုပ်ထားပြုပြင် လည်းသလုံးသေး အသုံးရှိမှုနှင့် ပေါကျိန်း၍ အနားသလုံနှင့် လောကြီး မြောလောင် သုံးရှိခြင်း သည်သည့်သည်။

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အရည်အလွေး အရည်အလွေး	တွင်ရေးတြင် လင်ရေးကျင်လိုင်ရှိရေး။	တျော့နည်းစေရေး လော်ရဲခု ထောင်ချွှင်တာလူများ
विकेत्ववर्षः अववःस्त्री	ေ မီးသီး / မီးစရား င်းသားကွဲများ ရရိပစ်ခြင်း ေ စလေးငီးလည်းရှိများ ရရိပစ်ခြင်း	ာ သန္တရားလ်ရှိ ရရိပမိမျာည်းရေးကို ခရစ်လကျထားပြီး၍ YECC နှင့် ရရိယမ်ခြင်း
အရူရးယ် အရူရးယ်	. ஆங்க்ஷவினத்த வைதட்டும் கிலந்து வந்திற்ற தந்தின்றுந்து வளவி வின்னநினைநிற்கு கொண்ணதால் டுக்கு சீசிநிற்	 జానిక్రింపిన్లానే పిట్టికేంపులేప్పు తేట్టించారం బాలానుల్లే బాల్లొక్కరే విలువార్యాలనే రేసికి మాలు బాల్లొక్కికి అన్నార్యాలను పేరుల్లో ప్రాల్కలో ప్రాల్టింది. ఇంటిక్కున్ను మాలు మాల్లోకి మాలు మాల్లానుక్కేకింటే స్పార్ లేకాన్స్ ప్రాల్టిందిన్ ప్రాల్ క్లేకింటే ప్రాల క్లేకింటే
ojBhdi Mazauzgi Majaradi oʻzgoqileg	ာ လုပ်ငန်လုံးမက်မရည်းများ ကိုလျှယ်အသုံးမြန်းမှ မေလာင်တဆမှ ပြန်မားနှင့်ဖြစ် ကျန်မရည်းများ အတင်အမျှ ပြနာပိုဖြစ် ဒီတိခ ပြတ်ကောက်မြန်းများနီလုပ်မြန်း၊ ချိန်ဖြစ်ခဲ့၊	 လုပ်သလများသား ကျော်လုံးလုံးကော်မှုရှား၊ ကိုလေရယ်အသို့မြှာရနှင့် ဖော်သက်၍ ရနှစ် လာက သင်ကြားစားပြင်း၊ ရောင်ရုံရှင်အတွင်း အပြင်းသို့ရှင်လင်းပိုင်အာရန်နှင့် စက်ပရည်လုံး အရုံရွာလုံးကြီးမှာ အသို့ပြန်ချိန်ရန် ပြုစားကေါ်အသာ အလုံးကျောင် အပေနိုင်သည့် မီးရေးသိုး အရုံရွာလုံးကေါ်မှာ စိတ်သေးမြိုင်ငံ Person tike or နှင့် သူမေ့လေး အရုံးထားပြိုင်ငံ
oʻshqidsadi	 စာသမီးပြည်သူများအတွေကို အလုပ်အကိုင်အရှင့်အလမ်းများ ရရှိစာဖြင့် ဝန်ထမ်းများ၏ ပြဿနာများနှင့် အငြင်းပူးမှုများကို စပြိုငှင်းရန်အတွော 	အကြင့် ကောင်ရန်သော သက်ရောက်မှု ဖြစ်ဖြင့်။







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အျရာသိရှိမျည်	वैद्यात्मान्यकार्यकार्यकार्यकार्यकार्यकार्यकार्यकार	ragi	Athenology are springs are	an injuried an appropria	Chel-An Citry Corepay Unead Descriptoral Management Tear
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ကျင်းရှင် အာဏရုတ်ဆုံး ကျင်းရှင်	has of property and injures	arusha j	nade whole Basery	endyddydd maddyngd	Clasi-Las Citory Consepony Line and Recommendal Adapting on Total







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12/26/2024



Thank You for Your Attention!

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APPENDIX J List of Commitments

Guohua Glory Company Limited ၏ လုပ်ငန်းလည်ပတ်ဆောင်ရွက်ခြင်းကြောင့် ဖြစ်ပေါ် လာနိုင်သော သဘာဝပတ်ဝန်းကျင်၊ လူမှုဘဝ နှင့် ကျန်းမာရေး ထိခိုက်မှုများရှိခဲ့ပါက လျှော့ချရေး၊ စီမံခန့်ခွဲရေးနှင့် တားဆီးရေး အစီအစဉ်များကို **ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (Environmental Management Plan – EMP)** တွင် ပါဝင်ရမည့် အချက်များကို အကောင်အထည်ဖော် စီမံဆောင်ရွက်သွားမည် ဖြစ်ကြောင်း အောက်ဖော်ပြပါ ဧယားဖြင့် အကျဉ်းချုပ် စာရင်းပြုစု ဖော်ပြထားပါသည်။

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
မူဝါဒ၊ဥပဒေနှင့်အဖွဲ့အစည်း ဆိုင်ရာမူဘောင်များ	O	 ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ (၂၀၁၂) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနည်းဥပဒေ (၂၀၁၄) ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာလုပ်ထုံးလုပ်နည်း (၂၀၁၅) မြန်မာနိုင်ငံမှ ချမှတ်ထားသောစက်ရုံနှင့် သက်ဆိုင်သည့် တခြား လိုက်နာ ဆောင်ရွက်ရမည့်လုပ်ထုံးလုပ်နည်းဥပဒေ၊ နည်းဥပဒေနှင့် မူဝါဒများ အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး(ထုတ်လွှတ်မှု) လမ်းညွှန် (၂၀၁၅) နှင့် နိုင်ငံတကာပတ်ဝန်းကျင်ဆိုင်ရာ စံသတ်မှတ်ချက်များနှင့် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုဆိုင်ရာ လမ်းညွှန်ချက်များ 	အခန်း(၂)
ပတ်ဝန်းကျင်အရည်အသွေး တိုင်းတာမှု	J	အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာအရည်အသွေး(ထုတ်လွှတ်မှု)လမ်းညွှန်ချက်(၂၀၁၅) နှင့် နိုင်ငံတကာ ပတ်ဝန်းကျင်ဆိုင်ရာ စံသက်မှတ်ချက်များနှင့်	အခန်း(၄)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
		ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုဆိုင်ရာ လမ်းညွှန်ချက်များကို အခြေခံလေ့လာ တိုင်းတာထားပါသည်	
လေအရည်အသွေး	J. ɔ	 အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန် ချက် (၂၀၁၅) ၏ ထုတ်လွှတ်အခိုးအငွေ့ (Air emissions) လမ်းညွှန်သက် မှတ်ချက် ဖြင့်နှိုင်းယှဉ် ဖော်ပြထားပါသည်။ 	အပိုဒ်ခွဲ(၄.၂.၅)
စက်ရုံအတွင်း အပူချိန်နှင့် စိုထိုင်းဆ	J.J	စက်ရုံအတွင်းလုပ်ငန်းခွင်အပူချိန်နှင့်စိုထိုင်းဆအားတိုင်းတာဖော်ပြထားပါသည်။	အပိုဒ်ခွဲ (၄.၂.၆)
စက်ရုံအလင်းရောင်ရရှိမှု	J. 2	IESNA Lighting Handbook ဖြင့် နှိုင်းယှဉ် ဖော်ပြထားပါသည်	အပိုဒ်ခွဲ(၄.၂.၇)
ဆူ ညံသံ	J.9	အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန် ချက် (၂၀၁၅) ၏ အမြင့်ဆုံးလက်ခံနိုင်သည့် ဆူညံသံအဆင့် (Noise level) လမ်းညွှန်သက်မှတိချက် စက်မှုဇုန် ဧရိယာတွင် (70 One-hour LAeq (dBA)) ဖြင့် နှိုင်းယှဉ် ဖော်ပြထားပါသည်	အပိုဒ်ခွဲ(၄.၂.၈)
ရေအရည်အသွေးတိုင်းတာမှု	J.J	🕨 စက်ရုံ၏ သုံးနေနှင့်သောက်သုံးရေအား တိုင်းတာဖော်ပြထားပါသည်။	အပိုဒ်ခွဲ (၄.၂.၉)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
စက်ရုံ၏ ပတ်ဝန်းကျင် လူမှု စီးပွားရေးအခြေအနေ	9	 ကျောက်တန်းမြို့နယ်၏လူမှုစီးပွားရေးအခြေအနေများအား ကျောက်တန်းမြို့သစ်မြို့နယ်အထွေထွေအုပ်ချုပ်ရေးဦးစီးဌာနမှ ရယူဖော်ပြထားပါသည်။ 	အပိုဒ် (၄.၃)
စက်ရုံကြောင့် ပတ်ဝန်းကျင် အပေါ် ထိခိုက်နိုင်မှုများနှင့် လျော့နည်းစေရေး နည်းလမ်းများ	9	 စက်ရုံလုပ်ငန်းလည်ပတ်ခြင်းကြောင့်ပတ်ဝန်းကျင်နှင့်လူသားတို့အပေါ် အကျိုးသက်ရောက်နိုင်မှုများအားလေ့လာဆန်းစစ်ထားရှိပြီးလျော့နည်းစေရေး နည်းလမ်းများအားဖော်ပြထားရှိပါသည်။ 	အခန်း (၅)
ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု	G	Guohua Glory Company Limited သည်စက်ရုံအခြေအနေ၊အလုပ်သမား၊ ဒေသခံလူထုအမြင်၊အစုရှယ်ယာဝင်များနှင့်ညှိနှိုင်းဆွေးနွေးခြင်းအပါအဝင် စောင့်ကြပ်ကြည့်ရှုခြင်းများကိုဆောင်ရွက်မည်။ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်သည်စက်ရုံ၏ဘေးအန္တရာယ်ကင်းရှင်းရေး အတွက်ပါ ဖြည့်စွက် ဆောင်ရွက်ထားပါသည်။	အခန်း(၆)
လေထုညစ်ညမ်းမှုနှင့်ဖုန်မှုန့်	G.3	 လေထုညစ်ညမ်းခြင်းကိုကာကွယ်ရန်နှင့်ကာဗွန်ထုတ်လုပ်မှုကိုလျှော့ချပေးရန် အတွက်စက်ရုံဝင်းအတွင်းအပင်များစိုက်ပျိုးခြင်း မီးစက်များကိုပြုပြင်ထိန်းသိမ်းခြင်း 	အပိုဒ်(၆.၄.၁)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
		 အမှိုက်များမီးရှို့ခြင်းကိုတားမြစ်ခြင်း ဖုန်ထူထပ်သောနေရာများတွင်တာဝန်ထမ်းဆောင်သောဝန်ထမ်းများအတွက် နှာခေါင်းစည်းများဝတ်ဆင်ခြင်း 	
ဆူညံသံထွက်ရှိမှု	G. J	 အသံလုံအခန်းများတည်ဆောက်ပြီးစက်ပစ္စည်းများကိုသေချာစွာပြုပြင် ထိန်းသိမ်းစေခြင်း သယ်ယူပို့ဆောင်ရေးလမ်းကြောင်းတွင်ယာဉ်များ၏ အမြန်နှုန်းကို ကန့်သတ် ခြင်း လုံလောက်သော တစ်ကိုယ်ရည်သုံး အကာအကွယ်ပစ္စည်းများ ထားရှိ ပေးခြင်း သက်ဆိုင်ရာဝန်ထမ်းများအားလုံးကိုသင့်လျော်သောသင်တန်းများပို့ချခြင်း နှင့်ဆူညံသောနေရာတွင်အလုပ်လုပ်စဉ်တစ်ကိုယ်ရည်သုံးအကာအကွယ်များ တပ်ဆင်စေခြင်း 	အပိုဒ်(၆.၄.၂)
မီးဘေးအန္တရာယ်	6.2	 အရေးပေါ် အခြေအနေများအတွက်စက်ရုံနံရံများတွင်မီးသတ်ဆေးဘူးများ၊ မီးသတ်ပိုက်ဘီးများနှင့် မီးသတ်ရေပိုက်များ ထားရှိခြင်း အရေးပေါ် ထွက်ပေါက်ပြမြေပုံများနှင့်စုဝေးရပ်ညွှန်ပြရာသင်္ကေတများ ထားရှိခြင်း 	အပိုဒ်(၆.၄.၃)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
		 မီးသတ်ပစ္စည်းများကိုပုံမှန်စစ်ဆေးခြင်းနှင့်မီးသတ်ရေကန်ကိုအရေးပေါ် အခြေအနေအတွက် ပြင်ဆင်ခြင်း အလုပ်သမားများအားသတိပေးရန်မီးဘေးအချက်ပြခေါင်းလောင်းများတပ်ဆင် ထားခြင်း အဓိက ဝင်ပေါက်ထွက်ပေါက်များကို ပိတ်ဆို့ထားခြင်း မပြုလုပ်စေခြင်း 	
လုပ်ငန်းခွင်ထိခိုက်မှုနှင့် ကျန်းမာရေး	G. <i>9</i>	 ရှေးဦးသူနာပြုသင်တန်း၊ဘေးအန္တရာယ်ကင်းရှင်းရေးသင်တန်း၊မီးဘေး အန္တရာယ်ကာကွယ်ရေးသင်တန်း၊စက်ယန္တယားများကိုင်တွယ်ခြင်းသင်တန်းများ ပို့ချခြင်း လေ့လာတွေ့ ရှိထားသောအလင်းတိုင်းတာချက်များအရ၊အလုပ်သမားများ ဘေးကင်းလုံခြုံစွာလုပ်ကိုင်နိုင်စေရန်လုံလောက်သောအလင်းရောင်ရရှိစေရန် ဆောင်ရွက်ခြင်း တစ်ကိုယ်ရည်သုံးကာကွယ်ရေးကိရိယာများ(ဥပမာ-နားကြပ်၊လက်အိတ်၊ ခေါင်ဆောင်း၊ မျက်မှန်) များကို ဌာနအလိုက် ပေးအပ်ခြင်း 	အပိုဒ်(၆.၄.၄)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
		 ဓာတ်လိုက်ခြင်းအန္တရာယ်မှကာကွယ်ရန်အတွက်လျှပ်စစ်ထိန်းသိမ်း စောင့်ရှောက်ရေးဝန်ထမ်းအားပုံမှန်စစ်ဆေးခြင်းနှင့်ကြိုတင်ကာကွယ်မှုပြုလုပ်ရန် တာဝန်ပေးခန့်အပ်ခြင်း ရေနုတ်မြောင်းများရေစီးရေလာကောင်းအောင်ဆောင်ရွက်ခြင်းဖြင့် အလုပ်သမားများ၏ ကျန်းမာရေး ဘေးအန္တရာယ် ကာကွယ်ခြင်း အလုပ်သမားများအတွက်အများဆုံးခွင့်ပြုနိုင်သောဆူညံသံအဆင့်မှာ 70dB(A) သည်တစ်ရက်လျှင်စနာရီသာဖြစ်သည်။ထို့ကြောင့်ဆူညံသောနေရာများတွင် လုပ်ကိုင်ပါက နားကြပ်ကိရိယာ တပ်ဆင်ခြင်းရမည်။ 	
ရေသုံးစွဲမှု	ઉ.၅	ဝန်ထမ်းများအားရေသုံးစွဲမှုနှင့်ပတ်သက်၍စနစ်တကျလေ့ကျင့်သင်ကြားပေးခြင်းရေမီတာတပ်ဆင်အသုံးပြုခြင်း	အပိုဒ် (၆.၄.၅)
အမှိုက်စွန့်ပစ်မှု	G.G	 စီမံကိန်းမှထွက်ရှိသောစွန့်ပစ်အမှိုက်များကိုစက်ရုံဝင်းအတွင်း(သို့မဟုတ်) ဒေသရှိ အင်းအိုင်၊ ချောင်း၊ မြောင်း၊ မြစ် စသည်တို့ထဲသို့ စွန့်ပစ်ခြင်း မပြုလုပ်ပါ။ စွန့်ပစ်အမှိုက်များကိုတစ်နေရာတည်းတွင်စနစ်တကျခွဲ၍စုဆောင်းရန်လိုအပ်ပြီး အထည်အလိပ်စွန့်ပစ်အမှိုက်များကိုသီးခြားသိုလှောင်သိမ်းဆည်းခြင်း၊ 	အပိုဒ်(၆.၄.၆)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
		အန္တရာယ်ရှိသောစွန့်ပစ်ပစ္စည်းများနှင့်တခြားသောသတ္တုပစ္စည်းများကိုသီးခြား သိုလှောင်သိမ်းဆည်းခြင်း ပြန်လည်အသုံးပြုနိုင်သောဘူးခွံများကိုတစ်ဆင့်ပြန်လည်ရောင်းချခြင်းဖြင့် ပြန်လည်အသုံးပြုခြင်း စွန့်ပစ်အမှိုက်များကို စနစ်တကျ ထားသို၍ စွန့်ပစ်ခြင်း နေ့စဉ်ထွက်ရှိသောအမှိုက်များကိုရန်ကုန်မြို့တော်စည်ပင်ယာရေးကော်မတီနှင့် ချိတ်ဆက်စွန့်ပစ်ခြင်း	
စွန့်ပစ်အရည်	G. ₇	 ရေနုတ်မြောင်းလိုင်းကို သင့်တော်သော အကျယ်၊ အနက်ရှိစေပြီး မိလ္လာစနစ် သည် ရေလုံပြီး စနစ်တကျ သိုလှောင်နိုင်ခြင်း မိလ္လာပိုက်လိုင်းကို အမြဲစစ်ဆေးခြင်းနှင့် ထိန်းသိမ်းခြင်း ရေနုတ်မြောင်းကို အနံ့အသက်များ ကင်းစေရန် အမှိုက်များ ပိတ်ဆို့စေခြင်း မရှိအောင် ဆောင်ရွက်ခြင်း 	အဝိုဒ်(၆.၄.၇)
ဘေးအန္တရာယ်ရှိစွန့်ပစ်ပစ္စည်း	<u> </u>	> ဘေးအန္တရာယ်ရှိစွန့်ပစ်ပစ္စည်းများအားစနစ်တကျသိုလှောင်ထားရှိခြင်း၊စနစ်တကျ စွန့်ပစ်ခြင်း နှင့် Material Safety Data Sheet (MSDS) များ ထားရှိခြင်း	အပိုဒ် (၆.၄.၈)

ကတိကဝတ်၏ အတိုချုပ်အမည်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
အရေးပေါ် အခြေအနေ ၆.၉	 စက်ရုံအနေဖြင့်အရေးပေါ် ဖြစ်ပေါ် လာနိုင်သောမီးဘေးအန္တရာယ်၊ငလျင်၊ ရေကြီးခြင်းနှင့် မုန်တိုင်းများအတွက် စီမံထားရှိခြင်း မီးသတ်ပစ္စည်းကိရိယာများနှင့်မီးသတ်ဆေးဘူးများကိုနေရာတိုင်းတွင်တပ်ဆင် ထားခြင်းနှင့် စစ်ဆေးခြင်း အသေးစိတ်အခြေအနေပြရုပ်ပုံ (အရေးပေါ် ထွက်ပေါက်တံခါးစသည်)ကို အလုပ်သမားများ သိရှိစေရန် ဆောင်ရွက်ထားခြင်း ရေပိုက်ခေါင်း၊မီးသတ်ဘူးစသည်တို့ကိုထားရှိခြင်း၊စစ်ဆေးခြင်းနှင့်ဓာတ်လိုက်ခြင်းမှ ကာကွယ်ရန်လျှပ်စစ်အန္တရာယ်အသိပေး သင်တန်းများ ပို့ချခြင်း အလုပ်သမားများအားငလျင်လှုပ်သောအခါစားပွဲအောက်ကဲ့သို့သောဘေးကင်း သောနေရာများတွင်နေထိုင်ရန်၊အပြင်သို့မရွေ့ရန်၊အပြင်တွင်ရှိနေသော အလုပ်သမားများအနေဖြင့်အဆောက်အဦးအောက်၊သစ်ပင်အောက်၊တိုင်များ အောက်တွင်နေထိုင်ခြင်းမပြုဘဲကွင်းပြင်တွင်သာနေထိုင်ရန်၊တခြားသော 	အပိုဒ်(၆.၄.၉)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
		 ရေလွှမ်းမိုးမှု(မုန်တိုင်းအပျက်အစီးများ၊ရေမြောင်းများပွင့်နေခြင်း၊ မြေတိုက်စားမှု)နှင့်ရွေ့ပြောင်းတွားသွားသတ္တဝါများ(မြွေသို့မဟုတ် တခြားတိရိစ္ဆာန်များ) ၏ အန္တရာယ်များကို သတိပြုစေခြင်း 	
		 အရေးပေါ် ဆေးအဖွဲ့ များနှင့် ဆေးပစ္စည်းများ ထားရှိခြင်း အရေးပေါ် ဆက်သွယ်နိုင်သည့်မီးသတ်ဌာန၊ရဲတပ်ဖွဲ့၊ဆေးရုံစသည့် တယ်လီဖုန်းနံပါတ်များကို မြင်သာနိုင်သည့်နေရာတွင် ကပ်ထားခြင်း 	
		 မီးငြိမ်းသတ်ရေးအဖွဲ့ ၊ကယ်ဆယ်ရေးအဖွဲ့ တို့ဖြင့်ဘေးကင်းရေးကော်မတီ တစ်ရပ်တည်ဆောက်ခြင်းနှင့်ကော်မတီအနေဖြင့်ဘေးအန္တရာယ်ကင်းရှင်းရေး ဆိုင်ရာ စီမံခန့်ခွဲမှုနှင့် ပတ်သတ်၍ လစဉ်အစည်းအဝေး ကျင်းပခြင်း 	
		 သဘာဝဘေးအန္တရာယ်စီမံခန့်ခွဲရေး၊ မီးဘေးအန္တရာယ်နှင့် လုပ်ငန်းခွင်ထိခိုက်မှု နှင့် ကျန်းမာရေး ကာကွယ်ရေးအတွက် သင့်လျော်သော သင်တန်းများပို့ချခြင်း 	
စောင့်ကြပ်ကြည့်ရှုမှု	૧	 အဆိုပြုစီမံကိန်းသည် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာကို ဝန်ကြီးဌာနသို့ (၆)လ တစ်ကြိမ် တင်ပြဆောင်ရွက်မည်။ 	အပိုဒ်(၆.၅)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
လူထုအကျိုးပြုလုပ်ငန်း ဆောင်ရွက်ခြင်း	ถ	 လူထုအကျိုးပြုဆောင်ရွက်ချက်များကို လူနေမှုအဆင့်အတန်း မြင့်မားစေရန် နှင့် စီမံကိန်းဧရိယာရှိလူနေမှုအသိုင်းအဝိုင်းများအားလုံးနှင့်အဆင်ပြေစေရန် ရည်ရွယ်ပါသည်။ Guohua Glory Company Limited ၏ လူထုအကျိုးပြု ဆောင်ရွက်ချက်များအနေဖြင့်ဒေသအတွင်းပညာရေးအထောက်အပံ့များ ဆောင်ရွက်ခြင်း၊အကျိုးအမြတ်မယူသောသင်တန်းများဖော်ဆောင်ပေးခြင်း၊ လုပ်သားများ၏ကျန်းမာရေးစောင့်ရှောက်မှုများဆောင်ရွက်ခြင်းဟူ၍ကဏ္ဍသုံးခု အလိုက် ဆောင်ရွက်ပါမည်။ 	အပိုဒ်(၆.၈)
Mr. Han Jianfeng Director သက်ဆိုင်သူများနှင့် တွေ့ဆုံဆွေးနွေးခြင်း	e	သက်ဆိုင်သူများနှင့် တွေ့ဆုံဆွေးနွေးခြင်း အစီအစဉ်တွင် Guohua Glory Company Limited စက်ရုံ၏ EMP အစီရင်ခံစာ အကြောင်းကို ရှင်းလင်း တင်ပြခြင်းဖြစ်သည်။ စီမံကိန်း၏ EMP အစီရင်ခံစာကို Myanwei Environmental Solution Company Limited မှ Guohua Glory Company Limited ၏ အစည်းအဝေးခန်းမတွင် ၂၇ရက်၊ ၁၂လ၊ ၂၀၂၄ခုနှစ်တွင် ပြုလုပ်ကျင်းပခဲ့ပြီး တက်ရောက်လာသူများ၏ ဆွေးနွေးအကြံပြုချက်များအား လိုက်နာဆောင်ရွက် သွားမည် ဖြစ်ပါသည်။	အခန်း(၇)

ကတိကဝတ်၏ အတိုချုပ်အမည်	အမှတ်စဉ်	ကတိကဝတ်အားရှင်းလင်းဖော်ပြချက်	အစီရင်ခံစာပါ ရည်ညွှန်းချက် အခန်း
နိဂုံးနှင့် အကြံပြုချက်	20	Guohua Glory Company Limited သည် အဝတ်အထည်အမျိုးမျိုး ထုတ်လုပ်ရောင်းချခြင်းဖြစ်ပါသည်။ စီမံကိန်းလည်ပတ်နေစဉ်နှင့် ပိတ်သိမ်းမည့် ကာလအတွက် နေ့စဉ်၊ လစဉ်၊ နှစ်စဉ်ရေးဆွဲမည့် အစီအစဉ်များသည် EMPစည်းမျဉ်း ၊စည်းကမ်းများနှင့်အညီ ရေးဆွဲမည် ဖြစ်ပါသည်။	အခန်း(၈)