ENVIRONMENTAL MANAGEMENT PLAN

Manufacturing of Garment on CMP Basis

Implemented by

Yangon Oscar Fashion Co., Ltd.

Prepared by

EAS
ENVIRONMENTAL ASSESSMENT SERVICES

Environmental Assessment Services Co., Ltd

Environmental Management Plan (EMP)

Report on

Manufacturing of Garment on CMP Basis

By

Yangon Oscar Fashion Co., Ltd.

December, 2024

စီမံကိန်းဆောင်ရွက်သူ၏ကတိကဝတ်များ

ကျွန်တော်များ "ရန်ကုန်အော်စကာဖက်ရှင်ကုမ္ပဏီလီမိတက်" အနေဖြင့် CMP စနစ်ဖြင့် အဝတ်အထည် ချုပ်လုပ်ခြင်း လုပ်ငန်း ဆောင်ရွက်ရာတွင် အောက်ပါအချက်များအား ကတိကဝတ် ပြုပါသည်-

(က) ဤပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်ကို တိကျခိုင်မာမှုများနှင့် ပြည့်စုံစွာ ဆောင်ရွက်ထားပါသည်။

(ခ) ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းများနှင့် သက်ဆိုင်ရာဥပဒေ၊ နည်းဥပဒေများကို တိကျစွာလိုက်နာ၍ ဤပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်ကို ရေးဆွဲထားပါသည်။

(ဂ) စီမံကိန်းသည် ဤ ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်အစီရင်ခံစာပါ ကတိကဝတ်၊ ပတ်ဝန်းကျင်ထိခိုက်မှုလျော့ချရေးလုပ်ငန်းများနှင့် စီမံခန့်ခွဲမှုအစီအစဉ်များကို အပြည့်အဝ အစဉ်အမြဲ လိုက်နာဆောင်ရွက်သွားပါမည်။

(ဃ) စီမံကိန်းပိတ်သိမ်းချိန်တွင်လည်း ပတ်ဝန်းကျင်နှင့်လူမှုဝန်းကျင်အား ထိခိုက်မှုအနည်းဆုံးဖြစ်စေရန် စီမံဆောင်ရွက်သွားမည် ဖြစ်ကြောင်း ကတိကဝတ်ပြုပါသည်။

(င) ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်၏ တည်ဆဲဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ငန်းနှင့် ဆက်စပ်၍ လိုက်နာဆောင်ရွက်ရမည့် ဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများ၊ အမိန့်/ညွှန်ကြားချက်များ အပါအဝင် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများ၊ ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း၊ အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ၊ အခါအားလျော်စွာ ထုတ်ပြန်ကြေငြာမည့် ညွှန်ကြားချက်များကို သိရှိလိုက်နာဆောင်ရွက်မည်ဖြစ်ပါကြောင်းနှင့် ပျက်ကွက်ပါက တည်ဆဲဥပဒေ၊ နည်းဥပဒေများနှင့်အညီ အရေးယူခံရမည်ဖြစ်ကြောင်း ဝန်ခံကတိပြုလက်မှတ်ရေးထိုးပါသည်။

လက်မှတ်
အမည် Mr. Dong Jixian
ရာထူး Managing Director
ဌာန/ကုမ္ပဏီ Yangon Oscar Fashion Co., Ltd.

အကြံပေးပုဂ္ဂိုလ်များ၏ကတိကဝတ်များ

Yangon Oscar Fashion Co., Ltd ၏ CMP စနစ်ဖြင့် အဝတ်အထည်ချုပ်လုပ်ခြင်း လုပ်ငန်း အတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် ရေးဆွဲသည့် အကြံပေးပုဂ္ဂိုလ်များမှလည်း အောက်ပါ အချက်များကို ကတိကဝတ်ပြုပါသည်-

(က) ဤပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ်ကို တိကျခိုင်မာမှုများနှင့် ပြည့်စုံစွာ ဆောင်ရွက်ထားပါသည်။

(ခ) ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းများ အပါအဝင် သက်ဆိုင်ရာ ဥပဒေ၊ နည်းဥပဒေများကို တိကျစွာလိုက်နာ၍ ဤပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ်ကို ရေးဆွဲထားပါသည်။

(ဂ) ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုဆိုင်ရာ ဆောင်ရွက်ရန် လုပ်ငန်းတာဝန်များနှင့် အညီ ပြုစုရေးဆွဲ ဆောင်ရွက်ထားပါသည်။

U Thant Zin
Team Leader
Environmental Assessment Services Co., Ltd.
Email. thantzinforestry@gmail.com
Phone. +959259906057

Table of Content

List of Table

List of Figure

ABBREVIATION/ACRONYMS

ACGIH	American Conference of Governmental Industrial Hygienists
CDC	City Development Committee
CEO	Chief Executive Officer
CMP	Cutting-Making-Packing
CSR	Corporate Social Responsibility
CV	Curriculum Vitae
DOZ	Dozen
ECD	Environmental Conservation Department
EHS	Environmental Health and Safety
EMP	Environmental Management Plan
EIA	Environmental Impact Assessment
EPAS	Environmental Perimeter Air Station
EPC	Electric Power Enterprise
HR	Human Resource
IFC	International Finance Corporation
IGES	Institute for Global Environmental Strategies
MIC	Myanmar Investment Commission
MONREC	Ministry of Natural Resources and Environmental Conservation
NEQG	National Emission Quality Guideline
NGO	Non-Governmental Organization
OHS	Occupational Health and Safety
Pcs	Pieces
PM	Particulate Matter
PPE	Personal Protective Equipment
QTY	Quantity
TDC	Township Development Committee
USD	United States Dollar
U.S. EPA	United States Environmental Protection Agency
WHO	World Health Organization
YCDC	Yangon City Development Committee

ရန်ကုန်အော်စကာဖက်ရှင်ကုမ္ပဏီလီမိတက်

CMP စနစ်ဖြင့်အဝတ်အထည်ချုပ်လုပ်ခြင်းလုပ်ငန်း

အတွက်

ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်

အကျဉ်းချုပ်အစီရင်ခံစာ

၂၀၂၄ ခုနှစ်၊ ဒီဇင်ဘာလ

၁။ အကျဉ်းချုပ်အစီရင်ခံစာ

၁.၁။ နိဒါန်း

ရန်ကုန်အော်စကာဖက်ရှင် ကုမ္ပဏီလီမိတက်သည် ရာနှုန်းပြည့် နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်း ရပ်ကွက် အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ခြင်း လုပ်ငန်း ဆောင်ရွက်လျက်ရှိပါသည်။ Yangon Oscar Fashion Co., Ltd. သည် အဆိုပြု စီမံကိန်း အတွက် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ် (Environmental Management Plan-EMP) ကိုရေးဆွဲရန် တတိယအဖွဲ့အစည်းဖြစ်သော Environmental Assessment Services Co., Ltd အားလုပ်ငန်း အပ်နှံ၍ သက်ဆိုင်ရာဌာနဖြစ်သည့် သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင် ထိန်းသိမ်းရေးဝန်ကြီးဌာန၊ ပတ်ဝန်းကျင် ထိန်းသိမ်းရေး ဦးစီးဌာနသို့ တင်ပြခြင်း ဖြစ်ပါသည်။

၁.၂။ ကတိကဝတ်များ

စီမံကိန်းအဆိုပြုသူ Yangon Oscar Fashion Co., Ltd. မှ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်တွင် ဖော်ပြထားသော ကတိကဝတ်များ၊ ပတ်ဝန်းကျင်ထိခိုက်မှု လျော့ချရေး လုပ်ငန်းများနှင့် အစီအစဉ်များကို အပြည့်အဝ အစဉ်အမြဲ လိုက်နာအကောင်ထည်ဖော်ဆောင်ရွက်မည်ဖြစ်ကြောင်း ကတိကဝတ်နှင့် အစီရင်ခံစာရေးဆွဲသည့် အကြံပေးပုဂ္ဂိုလ်များမှ ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှု အစီအစဉ်သည် တိကျမှုနှင့် ပြည့်စုံမှု ရှိကြောင်း၊ ပတ်ဝန်းကျင်ထိခိုက်မှု ဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းများအပါအဝင် သက်ဆိုင်ရာ ဥပဒေများကို လိုက်နာ၍ ပြုစုရေးဆွဲထားကြောင်း စသည့် ကတိကဝတ်များကို ဤပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်ဆိုင်ရာ အစီရင်ခံစာ ရှေ့ဆုံးစာမျက်နှာနှင့် အခန်း(၁၀)တို့တွင် ဖော်ပြထားပါသည်။

၁.၃။ မူဝါဒနှင့်ဥပဒေမူဘောင်

အဆိုပြုစီမံကိန်းနှင့် ပတ်သက်သည့် ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်မှ ချမှတ်ထားသော တည်ဆဲ ဥပဒေနှင့် နည်းဥပဒေများအားဖော်ပြထားပြီး ပတ်ဝန်းကျင် ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်းတို့နှင့်အညီ ဆောင်ရွက်ထားပါသည်။ ထို့အပြင် လုပ်ငန်းစဉ်အဆင့်အလိုက် လိုက်နာဆောင်ရွက်မည့် စံချိန်စံညွှန်းများအဖြစ် အမျိုးသား ပတ်ဝန်းကျင်အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ (NEQEG)၊ အပြည်ပြည် ဆိုင်ရာ ဘဏ္ဍာရေး ကော်ပိုရေးရှင်း (IFC)၏ အထွေထွေ ပတ်ဝန်းကျင်၊ ကျန်းမာရေးနှင့် ဘေးကင်းရေး (EHS) လမ်းညွှန်ချက်များ စသည့် တို့ကိုပါထည့်သွင်းရေးဆွဲထားပါသည်။ အသေးစိတ်အား ဤပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ် ဆိုင်ရာ အစီရင်ခံစာ အခန်း(၃)တွင် ဖော်ပြထားပါသည်။

စီမံကိန်းအနေဖြင့် အောက်ပါ ဥပဒေ၊ နည်းဥပဒေ၊ လုပ်ထုံးလုပ်နည်း၊ မူဝါဒ၊ အဖွဲ့အစည်း ဆိုင်ရာ မူဘောင်များအပြင် အခါအားလျော်စွာထုတ်ပြန်သည့် ဆက်စပ်အမိန့်ကြေငြာချက်များ ကို လိုက်နာ သွားမည်ဖြစ်ပါသည်။

စဉ်	ဥပဒေမူဝါဒများ	ပြဋ္ဌာန်းသည့်နှစ်
၁	ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော် ဖွဲ့စည်းပုံအခြေခံဥပဒေ	၂၀၀၈
၂	မြန်မာနိုင်ငံ အမျိုးသား ပတ်ဝန်းကျင်ရေးရာ မူဝါဒ	၂၀၁၉
၃	အမျိုးသား မြေအသုံးချမှု မူဝါဒ	၂၀၁၆
၄	ပတ်ဝန်းကျင် ထိန်းသိမ်းရေးဥပဒေ	၂၀၁၂
၅	ပတ်ဝန်းကျင် ထိန်းသိမ်းရေးနည်းဥပဒေများ	၂၀၁၄
၆	ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ထုံးလုပ်နည်း	၂၀၁၅
၇	အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များ	၂၀၁၅
၈	မြန်မာနိုင်ငံ အမျိုးသားအဆင့် စွန့်ပစ်ပစ္စည်း စီမံခန့်ခွဲမှု မဟာဗျူဟာနှင့် ပင်မလုပ်ငန်းအစီအစဉ် (၂၀၁၈-၂၀၃၀)	၂၀၂၀
၉	မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုဥပဒေ	၂၀၁၆
၁၀	မြန်မာ့အာမခံဥပဒေ	၁၉၉၃
၁၁	မြန်မာနိုင်ငံကုမ္ပဏီများဥပဒေ	၂၀၁၈
၁၂	မြန်မာ့အာမခံလုပ်ငန်းနည်းဥပဒေများ	၂၀၁၇
၁၃	ပုဂ္ဂလိကစက်မှုလုပ်ငန်းဥပဒေ	၁၉၉၀
၁၄	ပို့ကုန်သွင်းကုန်ဥပဒေ	၂၀၁၂
၁၅	ဓာတုပစ္စည်းနှင့်ဆက်စပ်ပစ္စည်းများအန္တရာယ်မှတားဆီးကာကွယ်ရေးဥပဒေ	၂၀၁၃
၁၆	မြန်မာနိုင်ငံမီးသတ်တပ်ဖွဲ့ဥပဒေ	၂၀၁၅
၁၇	ရေနံနှင့်ရေနံထွက်ပစ္စည်းဆိုင်ရာဥပဒေ	၂၀၁၇
၁၈	အလုပ်သမားအဖွဲ့အစည်းဥပဒေ	၂၀၁၁
၁၉	အလုပ်သမားရေးရာ အငြင်းပွားမှုဖြေရှင်းရေးဥပဒေ	၂၀၁၂
၂၀	အလုပ်အကိုင်နှင့် ကျွမ်းကျင်မှုဖွံ့ဖြိုးတိုးတက်ရေးဥပဒေ	၂၀၁၃
၂၁	အနည်းဆုံးအခကြေးငွေဥပဒေ	၂၀၁၃
၂၂	အခကြေးငွေပေးချေရေးဥပဒေ	၂၀၁၆
၂၃	အလုပ်သမားလျော်ကြေးအက်ဥပဒေ	၁၉၂၃
၂၄	လူမှုဖူလုံရေးဥပဒေ	၂၀၁၂
၂၅	ခွင့်နှင့်အလုပ်ပိတ်ရက်အက်ဥပဒေ	၁၉၅၁/၂၀၁၄
၂၆	ပြည်ထောင်စုမြန်မာနိုင်ငံပြည်သူ့ကျန်းမာရေးဆိုင်ရာဥပဒေ	၁၉၇၂
၂၇	ကူးစက်ရောဂါ ကာကွယ်နှိမ်နင်းရေးဥပဒေ	၁၉၉၅/၂၀၁၁
၂၈	ဆေးလိပ်နှင့်ဆေးရွက်ကြီးထွက်ပစ္စည်းသောက်သုံးမှု ထိန်းချုပ်ရေးဥပဒေ	၂၀၀၆

၂၉	အလုပ်ရုံများအက်ဥပဒေ	၁၉၅၁/၂၀၁၆
၃၀	လျှပ်စစ်ဥပဒေ	၂၀၁၄
၃၁	ဘွိုင်လာဥပဒေ	၂၀၁၅
၃၂	မြေအောက်ရေအက်ဥပဒေ	၁၉၃၀
၃၃	လုပ်ငန်းခွင်ဘေးအန္တရာယ်ကင်းရှင်းရေးနှင့် ကျန်းမာရေးဆိုင်ရာဥပဒေ	၂၀၁၉
၃၄	သဘာဝဘေးအန္တရာယ်ဆိုင်ရာစီမံခန့်ခွဲမှုဥပဒေ	၂၀၁၃
၃၅	စက်မှုဇုန်ဥပဒေ	၂၀၂၀
၃၆	ယာဉ်အန္တရာယ်ကင်းရှင်းရေးနှင့် မော်တော်ယာဉ်စီမံခန့်ခွဲမှုဥပဒေ	၂၀၂၀
၃၇	ယာဉ်အန္တရာယ်ကင်းရှင်းရေးနှင့် မော်တော်ယာဉ်စီမံခန့်ခွဲမှု နည်းဥပဒေများ	၂၀၂၂

၁.၄။ စီမံကိန်းအကြောင်းအရာ

အဆိုပြုစီမံကိန်းသည် ရာနှုန်းပြည့် နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် (CMP စနစ်) အဝတ်အထည် အမျိုးမျိုးချုပ်လုပ်ခြင်း လုပ်ငန်းစက်ရုံဖြစ်ပါသည်။ အဆိုပြုစီမံကိန်းနေရာသည် မြေကွက်အမှတ် (၁၇၃/အေ)၊ မြေတိုင်းရပ်ကွက် အမှတ်(၁၁၃)၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ အရှေ့ဒဂုံမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီးတွင် တည်ရှိပါသည်။ စီမံကိန်းဖော်ဆောင်သည့် Yangon Oscar Fashion Co., Ltd. ကို ၂၀၂၁ ခုနှစ် ဒီဇင်ဘာလတွင် အစုရှယ်ယာများဖြင့် တာဝန်ကန့်သတ်ထားသော ပုဂ္ဂလိကကုမ္ပဏီအဖြစ် မှတ်ပုံတင်ခဲ့ပါသည်။ ကုမ္ပဏီမှတ်ပုံတင်အမှတ်မှာ ၁၃၁၈၁၅၈၄၀ ဖြစ်ပါသည်။

အဆိုပြုလုပ်ငန်းအတွက် လိုအပ်သည့်ကုန်ကြမ်းပစ္စည်းများအား တရုတ်နိုင်ငံနှင့် ကိုးရီးယားနိုင်ငံတို့မှ တင်သွင်းအသုံးပြု သွားမည် ဖြစ်ပြီး ထုတ်လုပ်မှု အနေဖြင့် Coat, long Jacket, Padding jacket, Jumper, Padding Jumper, Vest များအား တစ်နှစ်လျှင် စုစုပေါင်းအထည်ရေ (၁,၂၀၀,၀၀၀) ခန့် အထိထုတ်လုပ်၍ ထုတ်ကုန်များကို နိုင်ငံခြားသို့ ပြန်လည် တင်ပို့မည် ဖြစ်ပါသည်။

စီမံကိန်းတွင် ဝန်ထမ်းဦးရေ (၉၁၇) ဦးအား ခန့်ထားဆောင်ရွက်သွားပါမည်။

စီမံကိန်းနှင့်သက်ဆိုင်သည့် အကြောင်းအရာအကျဉ်းဖော်ပြချက်များမှာ အောက်ပါ အတိုင်း ဖြစ်ပါသည်။

စီမံကိန်းအကြောင်းအရာဖော်ပြချက်များ	
စီမံကိန်းအဆိုပြုသူ	Yangon Oscar Fashion Co., Ltd
လုပ်ငန်းအမျိုးအစား	စီအမ်ပီစနစ်ဖြင့် အထည်ချုပ်လုပ်ခြင်း
စီမံကိန်းတည်နေရာ	မြေကွက်အမှတ် (၁၇၃/အေ)၊ မြေတိုင်းရပ်ကွက် အမှတ်(၁၁၃)၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ အရှေ့ဒဂုံမြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး။
လုပ်ငန်းဖော်ဆောင်သူ	Mr. Dong Jixian

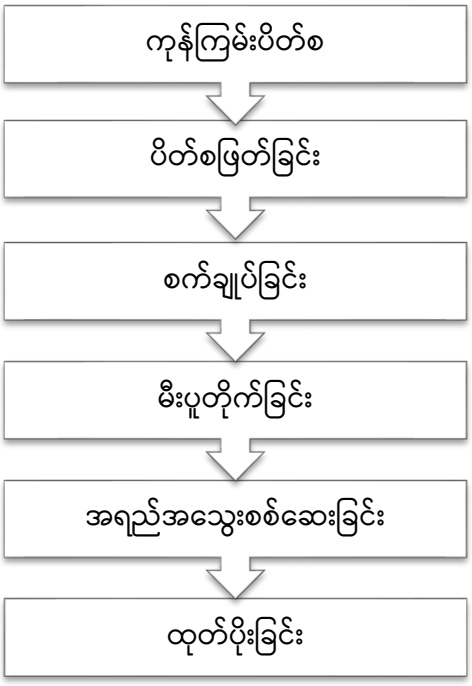
ရင်းနှီးမြှုပ်နှံမှုပမာဏ	USD (၁.၁) သန်း
ရင်းနှီးမြှုပ်နှံမည့်အချိန်	နှစ် ၃၀
ထုတ်လုပ်နိုင်စွမ်း	တစ်နှစ်လျှင် အထည်အမျိုးစုံ (၁,၂၀၀,၀၀၀) Pcs
လိုအပ်သောကုန်ကြမ်းပစ္စည်းများ	နိုင်ငံခြားမှတင်သွင်းသော အထည်လိပ်များနှင့် ချုပ်လုပ်မှုဆိုင်ရာ ဆက်စပ်ပစ္စည်းများ (ကုန်ကြမ်းပစ္စည်းများ စာရင်းအား အခန်း ၄ တွင် ဖော်ပြထားပါသည်)
စီမံကိန်း၏အကျယ်အဝန်း	(၃ ဧက)
အဆောက်အဦ	(၁၇၀ ft x ၂၉၀ ft) နှစ်ထပ် (၁)လုံး၊ (၃၈ ft x ၉၀ ft) နှစ်ထပ် (၁)လုံး
စီမံကိန်းလက်ရှိအခြေအနေ	လုပ်ငန်းလည်ပတ်နေသည့်အနေအထား
ရေစွန့်ထုတ်မှုစနစ်	စက်ရုံတွင်းရေမြောင်းစနစ် အသုံးပြု၍ လူသုံးစွန့်ပစ် ရေများကို သာစွန့်ထုတ်သည်။ လုပ်ငန်း သုံးရေဆိုး စွန့်ထုတ် ခြင်းမရှိပါ။
အမှိုက်စွန့်ပစ်မှုစနစ်	စက်ရုံမှ ထွက်ရှိလာမည့် စွန့်ပစ်အမှိုက်များအား အမှိုက်စို၊ အမှိုက်ခြောက် ခွဲခြား၍ မြို့နယ် စည်ပင် သာယာရေး ကော်မတီမှ ချမှတ်ထားသော အမှိုက်စွန့်ပစ်ခြင်း ဆိုင်ရာ နည်းလမ်း များအတိုင်း စွန့်ပစ်သည်။

Yangon Oscar Fashion Co., Ltd ဒါရိုက်တာ အဖွဲ့ဝင်များ

စဉ်	အမည်	ရာထူး	နိုင်ငံသား	ရှယ်ယာ %
၁	MR. DONG JIXIAN	မန်နေဂျင်းဒါရိုက်တာ	China	၆၀ %
၂	MS. XU XIAOPING	ဒါရိုက်တာ	China	၂၀ %
၃	MS. DONG XUXU	ဒါရိုက်တာ	China	၂၀ %
၄	MR. YU ZHIHUA	ဒါရိုက်တာ	China	၀ %

လုပ်ငန်းစဉ်အကျဉ်း

အထည်ချုပ်စက်ရုံ၏ လုပ်ငန်းထုတ်လုပ်ဆောင်ရွက်ပုံ အဆင့်ဆင့်မှာ အောက်ပါပုံတွင် ဖော်ပြထားပါသည်။



အထည်ထုတ်လုပ်ခြင်းလုပ်ငန်းအဆင့်ဆင့်ပြပုံ

၁.၅။ အနီးပတ်ဝန်းကျင်အကြောင်းအရာဖော်ပြချက်

စီမံကိန်းတည်းနေရာသည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက် အမှတ် (၁၇၃/အေ)ပေါ်တွင်တည်ရှိပြီး စက်ရုံ၏ အရှေ့ဘက်တွင် ဓာတ်ငွေ့ပိုက်လိုင်း၊ အနောက်ဘက်တွင် မြေကွက် အမှတ် (၁၇၃/အေ)၊ တောင်ဘက်တွင် မီးရထားလမ်းနှင့် မြောက်ဘက်တွင် ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်းတို့တည်ရှိပါသည်။ ဤအခန်းတွင် တင်ပြထားသည့် တဆင့်ခံ အချက် အလက်များ (secondary data) ကို ထုတ်ဝေပြီးသော သတင်းအချက်အလက်များ၊ လုပ်ငန်း ဖော်ဆောင်သူထံမှ ရရှိသော အချက် အလက်များနှင့် အရှေ့ဒဂုံမြို့နယ် အထွေထွေအုပ်ချုပ်ရေး ဦးစီးဌာနမှ ပြဋ္ဌာန်းထားသော မြို့နယ်ဆိုင်ရာ အချက်အလက်များမှ ရယူထားပါသည်။ မူလ ပတ်ဝန်းကျင် အခြေခံ အချက်အလက် များ (primary data) ဖြစ်သည့် ဆူညံမှု တိုင်းတာခြင်း၊ လေ၊ ရေအရည်အသွေးတိုင်းတာခြင်းတို့ကို ၂၀၂၄ ခုနှစ် ဇွန်လအတွင်း ကွင်းဆင်းဆောင်ရွက်ခဲ့ပါသည်။

လေထုအရည်အသွေး

ပတ်ဝန်းကျင်လေထုအရည်အသွေးကို စီမံကိန်းအတွင်း (Ambient Air Quality) အတွက် ၂၀၂၄ ခုနှစ် ဇွန်လ ၁၁ ရက်နေ့မှ ၁၂ ရက်နေ့ အထိ HAZ-Scanner EPAS ဖြင့် တိုင်းတာမှုများကို ပြုလုပ်ခဲ့ပါသည်။ ရရှိလာသော အရည်အသွေး ရလဒ်များသည် အမျိုးသား ပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များနှင့် နိုင်းယှဉ်ချက်များအရ စံသတ်မှတ်ချက်အတွင်း တည်ရှိနေသည်ကို တွေ့ရှိရပါသည်။

ဆူညံသံ

ဆူညံမှုကို ၂၀၂၄ ခုနစ် ဇွန်လ ၁၁ ရက်နေ့တွင် စက်ရုံလုပ်ငန်းခွင်အတွင်း၌ လေ့လာတိုင်းတာမှတ်သားခဲ့ပါသည်။ တိုင်းတာရရှိသော ဆူညံမှုများ အဆင့်သည် အမျိုးသားပတ်ဝန်းကျင်ဆိုင်ရာ အရည်အသွေး (ထုတ်လွှတ်မှု) လမ်းညွှန်ချက်များနှင့် ကိုက်ညီမှု ရှိကြောင်း တွေ့ရှိရပါသည်။

ရေအရည်အသွေး

စက်ရုံရှိ အဝီစိတွင်းရေနှင့် စွန့်ပစ်ရေမြောင်းတို့မှရေတို့ကို ရေနမူနာကောက်ယူ၍ ISO Laboratory သို့ ပေးပို့စစ်ဆေးခဲ့ပါသည်။ ခတ်ခွဲရလာဒ်များအား WHO Guideline, NEQEG စသည့် လမ်းညွှန်ချက် များနှင့်နှိုင်းယှဉ်လေ့လာမှုများပြုလုပ်ခဲ့ပါသည်။

လေထုအရည်အသွေး၊ ရေအရည်အသွေးနှင့် ဆူညံသံစသည့်တို့အတွက် ကွင်းဆင်းတိုင်းတာမှု၏ဆောင်ရွက်သည့် အချက်အလက်များ (တိုင်းတာသည့်နေရာ၊ မှတ်တမ်းခတ်ပုံများ၊ အသုံးပြုသည့် ပစ္စည်းနှင့် နည်းလမ်း) နှင့် တိုင်းတာမှုရလာဒ်များ၊ ခတ်ခွဲခန်းရလာဒ်များအား အစီရင်ခံစာ အခန်း ၅ တွင် ဖော်ပြထားပါသည်။

၁.၆။ ထိခိုက်မှုနှင့် ဘေးအန္တရာယ်ဖြစ်နိုင်ခြေဆန်းစစ်ခြင်းနှင့် လျော့နည်းစေရေးနည်းလမ်းများ

အဆိုပြုစီမံကိန်းကြောင့် စီမံကိန်းဧရိယာတွင် ဖြစ်ပေါ်လာနိုင်သည့် ပတ်ဝန်းကျင်နှင့် လူမှုစီးပွားသက်ရောက်မှုများကို ဖော်ထုတ်ရန် စီမံကိန်းလုပ်ငန်းစဉ်များကို သက်ရောက်ခံ ပတ်ဝန်းကျင်နှင့် ချိတ်ဆက်ကာ အကဲဖြတ်တိုင်းတာဆန်းစစ်ခြင်းကိုပြုလုပ်ခဲ့ပါသည်။

အကဲဖြတ်ခြင်းနည်းလမ်းအရ ပတ်ဝန်းကျင်ထိခိုက်မှုများအား ဖော်ထုတ်သတ်မှတ်ရာ တွင် စီမံကိန်းတည်ဆောက်ခြင်း (တည်ဆောက်ပြီး ဖြစ်ပါ၍ မဖော်ပြတော့ပါ) လည်ပတ်ခြင်းနှင့် ဖျက်သိမ်းခြင်းတို့ကြောင့် ဖြစ်ပေါ်နိုင်မည့် သက်ရောက်နိုင်မှုများ အပေါ်မူတည်၍ သိသာထင်ရှားသော သက်ရောက်မှုအဆင့်များကိုတွက်ချက်ဖော်ခဲ့ရာ အောက်ပါအတိုင်းတွေ့ရှိရပါသည်။ အကျဉ်းချုပ် ဖော်ပြထားပါသည်။

ထိခိုက်မှု		ပတ်ဝန်းကျင်အပေါ်သက်ရောက်မှု	
သက်ရောက်မှုအဆင့်	**ဖော်ပြချက်**	**လည်ပတ်ကာလ**	**ပိတ်သိမ်းကာလ**
အလွန်နည်း	အသေးအဖွဲ သို့မဟုတ် လျော့ပါးရေး ကုစားရန် မလိုအပ်ပါ	၁	၂
နည်း	အသေးစား ကုစားရန် လိုအပ်	၆	၂
အလယ်အလတ်	ထပ်လောင်း ကုစားရန် အနည်းနှင့် အများ လိုအပ်	၁	-
မြင့်	ထပ်လောင်း ကုစားမှု များစွာ (သို့) ပရောဂျက်ဒီဇိုင်း ပြုပြင်မွမ်းမံမှု လိုအပ်	-	-
အလွန်မြင့်	ထပ်လောင်း ကုစားမှု များစွာ လိုအပ် သည့်အပြင် ပရောဂျက်ဒီဇိုင်းကို ပြုပြင် မွမ်းမံမှု (သို့) အခြားရွေးချယ်စရာ	-	-

	လုပ်ဆောင်ချက် လိုအပ်နိုင်ပါသည်။		

အဆိုပြုစီမံကိန်းသည် စီအမ်ပီစနစ်ဖြင့် အထည်ချုပ်လုပ်ခြင်း လုပ်ငန်းဖြစ်ပြီး စီမံကိန်းကြောင့် ပတ်ဝန်းကျင်အပေါ် သိသာထင် ရှားသော သက်ရောက်မှုအဆင့်များသည် "အလွန်နည်း"နှင့် "နည်း" အဆင့်အများစုသာရှိကြောင်း တွေ့ရပါသည်။ သို့ရာတွင် သိသာထင် ရှားသော သက်ရောက်မှုများအား နည်းသည်ထက် ပိုမိုနည်းပါးသည့် အခြေအနေများတွင် တည်ရှိနိုင်စေရန် အတွက် ကုစားလျှော့ချ သွားမည်ဖြစ်ပါသည်။ စီမံကိန်း၏ လည်ပတ်ရေးကာလ၊ ဖျက်သိမ်းရေး ကာလအလိုက် လျှော့ချမည့်နည်းလမ်းများအား ဇယား (၁.၁)တွင်အကျဉ်းချုပ် ဖော်ပြ ထားပါသည်။

ဇယား (၁.၁) ထိခိုက်မှုများနှင့် လျော့ချရေးအစီအမံများအကျဉ်း

ဖြစ်ပေါ်နိုင်သော သက်ရောက်မှုများ	သက်ရောက်မှု အဆင့် (၁)	လျော့ချရေးနည်းလမ်းများ	ကြွင်းကျန် သက်ရောက်မှုအဆင့် (၂)
လည်ပတ်ရေးကာလ			
လေထုအရည်အသွေး (အမှုန်အမွှားထုတ်လွှတ်မှု၊ ဓာတ်ငွေ့ ထုတ်လွှတ်မှု)	နည်း	- စက်ရုံတွင် ကောင်းမွန်သော လေဝင်လေထွက်စနစ်ပြုလုပ်ထားခြင်း - အမှုန်အမွှားကာကွယ်ရေး နှာခေါင်းစည်းများ မျက်မှန်များ ထားပေးခြင်း - မီးစက်အားပုံမှန်စစ်ဆေးခြင်းနှင့် ပြုပြင်ထိန်းသိမ်းခြင်း - အသုံးပြုဘွိုင်လာတွင် filterနှင့်လုံလောက်သော ခေါင်းတိုင်အမြင့်ထားရှိ တပ်ဆင်ဆောင်ရွက်ထားခြင်း	အလွန်နည်း
ဆူညံသံနှင့် တုန်ခါမှု (စက်ရုံလုပ်ငန်းမှ)	နည်း	- အသံဆူညံမှုနည်းသောစက်များ၊ ချုပ်စက်များကို အသုံးပြုခြင်း - အသံဆူညံသောနေရာ၌ လုပ်ငန်းများဆောင်ရွက်ရာတွင် သတ်မှတ်နာရီအတွင်းလုပ် ဆောင်ရန်နှင့် အကာကွယ် နားကြပ်တပ်၍ လုပ်ဆောင်ခြင်း - အသံထွက်သော မီးစက်၊ air compressor များတွင် အသံထိန်းစနစ် (Silencer/Muffler) များ တပ်ဆင်အသုံးပြုခြင်း - စက်ပစ္စည်းများအား စစ်ဆေးခြင်းနှင့် ပြုပြင်ထိန်းသိမ်းခြင်းများ ပုံမှန်ဆောင်ရွက် ပေးခြင်း	အလွန်နည်း
ရေအရည်အသွေး (လူသုံးစွန့်ပစ်ရေ ထွက်ရှိမှု)	နည်း	- မိလ္လာကန်စနစ်နှင့် ရေနုတ်မြောင်းများအားလုံးကို ပုံမှန်စစ်ဆေးထိန်းသိမ်းခြင်း - ရေနုတ်မြောင်းများအတွင်း အမှိုက်စွန့်ပစ်ခြင်းကို တားမြစ်ခြင်း	အလွန်နည်း
စွန့်ပစ်ပစ္စည်း (စက်ရုံမှ စွန့်ပစ်ပစ္စည်းများနှင့် လူသုံးစွန့်ပစ်ပစ္စည်းများ)	အလယ်အလတ်	- အမှိုက်ပုံများကို သတ်မှတ်ထားသောနေရာများတွင် စနစ်တကျ ထားရှိ ဆောင်ရွက်သွားခြင်း - ပြန်လည်အသုံးပြုနိုင်သောအမှိုက်များ၊ ဖြတ်စများအားသီးခြားသိမ်းဆည်း၍ ပြန်လည်သုံးခြင်း (သို့) ရောင်းချခြင်း - သတ်မှတ်အချိန် (သို့) ပမာဏ အလိုက်နောက်ဆုံးအမှိုက်များစွန့်ပစ်ရန် မြို့နယ် စည်ပင်သာယာရေးအဖွဲ့ အား ဆက်သွယ်၍ စွန့်ပစ်ခြင်း	အလွန်နည်း
လုပ်ငန်းခွင်ကျန်းမာရေးနှင့် ဘေးကင်းရေး (ထိခိုက်ဒဏ်ရာ၊	နည်း	- ထိခိုက်အန္တရာယ်ရှိနိုင်သောနေရာများတွင် သတိပေး ဆိုင်းဘုတ်များ၊ အမှတ်အသားများ၊ လိုက်နာမှတ်များ သိမြင်သာရန် ထားရှိခြင်း - လိုအပ်သည့်နေရာများအလိုက် တစ်ကိုယ်ရေသုံးကာကွယ်ရေး ပစ္စည်းများအသုံးပြု စေခြင်း	အလွန်နည်း

ကူးစက်ရောဂါ)		- ထိခိုက်ဒဏ်ရာရမှုများနှင့် မတော်တဆမှုများအတွက် ရှေးဦးသူနာပြုပစ္စည်းများနှင့် အဆက်အသွယ် အချက်အလက်များ ထားရှိပေးခြင်း - စက်ရုံဆေးခန်းတွင် သူနာပြုတစ်ဦးခန့်အပ်ထားရှိခြင်း - စက်ရုံ၊ အလုပ်ရုံလုပ်ငန်းခွင်များအတွက် ကျန်းမာရေးဝန်ကြီးဌာန ထုတ်ပြန်ထားသော (COVID-19) ရောဂါ ကာကွယ်ရေး နှင့် ထိန်းချုပ်ရေးနည်းလမ်းများအတိုင်း တိကျစွာ လိုက်နာဆောင်ရွက်သွားခြင်း	
ဘေးအန္တရာယ် (မီးဘေးအန္တရာယ်)	နည်း	- မီးဘေးအန္တရာယ်မှ ကာကွယ်ရန် လုပ်ငန်းခွင်နေရာချုပ်စံအား ဒေသန္တရမီးသတ်ဌာနမှ ညွှန်ကြားသည့် စက်မှုလုပ်ငန်းခွင်များနှင့် သက်ဆိုင်သော မီးသတ်ကုဒ်များ အတိုင်း အကောင်အထည်ဖော်ထားရှိခြင်း - စက်ရုံတွင်မီးသတ်ကိရိယာများ၊ အချက်ပေးစနစ်များ၊ မီးငြိမ်းသတ်ကိရိယာများ တပ်ဆင်ထားခြင်း။ ၎င်းကိရိယာများ အသုံးပြုချိန် ကောင်းမွန်မှုရှိရန် နှင့် အသင့်အနေအထားဖြစ်ရန် စနစ်တကျ ထိန်းသိမ်းထားခြင်း - စက်ရုံ၌အရေးပေါ်ထွက်ပေါက်များနှင့် လမ်းကြောင်းများစီမံထားရှိပြီး ၎င်းထွက်ပေါက်များကို အမြဲရှင်းလင်းထားခြင်း - လုပ်သားများအား မီးဘေးအန္တရာယ်ကင်းရှင်းရေး အသိပေး သင်တန်းများပို့ချခြင်း	အလွန်နည်း
သဘာဝဘေး အန္တရာယ် (ရေကြီးခြင်းနှင့် ငလျင်)	နည်း	- အရေးပေါ်စုရပ်နေရာပြုလုပ်ခြင်း - ရေကြီးသောအချိန်နှင့်ငလျင်လှုပ်သောအချိန်အရေးပေါ် တုံ့ပြန်မှုအစီအမံများဆောင်ရွက်ခြင်း - စက်ရုံ၌အရေးပေါ်ထွက်ပေါက်များနှင့် လမ်းကြောင်းများစီမံထားရှိပြီး ၎င်းထွက်ပေါက်များကို အမြဲရှင်းလင်းထားခြင်း	အလွန်နည်း
လူမှုစီးပွားရေး (အလုပ်သမားပဋိပက္ခ)	အလွန်နည်း	- အလုပ်သမား အက်ဥပဒေ၊ တည်ဆဲဥပဒေများနှင့်အညီ လိုက်နာဆောင်ရွက်ခြင်း - အလုပ်သမားများအား ခွဲခြားဆက်ဆံမှု မရှိစေရေးနှင့် တန်းတူညီမျှ အခွင့်အရေးနှင့် တရားမျှတသော ဆက်ဆံမှုများကို ဆောင်ရွက်ခြင်း - ဘေးကင်းပြီး ကျန်းမာသော လုပ်ငန်းခွင်အခြေအနေများကို ဖန်တီးပေးခြင်း	အလွန်နည်း
(အလုပ်အကိုင် အခွင့်အလမ်းရရှိခြင်း)	ကောင်းကျိုး	- စက်ရုံတွင် ဒေသခံများအားဦးစားပေးအလုပ်ခန့်ခြင်း	-

ဖြစ်ပေါ်နိုင်သော သက်ရောက်မှုများ	သက်ရောက်မှုအဆင့် [၁]	လျော့ချရေးနည်းလမ်းများ	ကြွင်းကျန် သက်ရောက်မှုအဆင့် [၂]
ဝိတ်သိမ်းရေးကာလ			
လေထုအရည်အသွေး (ဖုန်မှုန့်နှင့်ဓာတ်ငွေ့ထုတ်လွှတ်မှု)	နည်း	- ဖြိုဖျက်သည့်နေရာနှင့် လမ်းများကို ရေဖြန်းပေးခြင်း - စွန့်ပစ်ပစ္စည်းများကို မီးရှို့ဖျက်ဆီးခြင်းကိုမပြုလုပ်ရန် - ယာဉ်နှင့်ယန္တရားများ အသုံးပြုခြင်းမရှိဘဲစက်နှိုးထားခြင်းအားလျော့ချခြင်း	အလွန်နည်း
ဆူညံသံနှင့် တုန်ခါမှု (ဖြိုဖျက်ရေးလုပ်ငန်းနှင့် စက်ပစ္စည်းများမှ)	နည်း	- ဖျက်သိမ်းခြင်းလုပ်ငန်းများအားနေ့အချိန်၌သာဆောင်ရွက်ခြင်း - ယာဉ်နှင့် ယန္တရားများ အသုံးပြုခြင်းမရှိဘဲ စက်နှိုးထားခြင်းအား လျော့ချခြင်း - အသံဆူညံသောနေရာ၌ လုပ်ငန်းများဆောင်ရွက်ရာတွင် အကာအကွယ် နားကြပ်တပ်၍ လုပ်ဆောင်ခြင်း	အလွန်နည်း
ရေအရည်အသွေး (ယာဉ်နှင့် ယန္တရားများအသုံးပြုခြင်း၊)	အလွန်နည်း	- ဖြိုဖျက်ခြင်းလုပ်ငန်းသုံး ယာဉ်နှင့် ယန္တရားများအား ပုံမှန် စစ်ဆေး ပြင်ဆင်ခြင်း - ရေမြောင်းအတွင်းသို့ ဖြိုဖျက်ပြီးအမှိုက်များစွန့်ပစ်ခြင်းအား ရှောင်ကြဉ်ခြင်း	အလွန်နည်း
စွန့်ပစ်ပစ္စည်း (ဖြိုဖျက်ပြီးအပျက်အစီးများ)	အလွန်နည်း	ဖြိုဖျက်ပြီးအမှိုက်များအား သတ်မှတ်ပေးထားသောနေရာတွင် စွန့်ပစ်ခြင်း	အလွန်နည်း
လူမှုစီးပွားရေး (အလုပ်အကိုင်များဆုံးရှုံးခြင်း)	ဆိုးကျိုး	- စက်ရုံမပိတ်မီ အနည်းဆုံး ၃ လကြို၍ အလုပ်သမားများအား အသိပေးခြင်း - ဖြစ်နိုင်လျှင် လုပ်ငန်းတူစက်ရုံများတွင် အလုပ်အကိုင်ရရှိစေရန် အလုပ်သမားများကို ထောက်ခံပေးခြင်း - အလုပ်သမားများ နှင့်သက်ဆိုင်သော ဥပဒေများနှင့်အညီ လျော်ကြေးပေးခြင်း	-

[၁] လျော့ချရေးနှင့် စီမံခန့်ခွဲရေးအစီအမံများ အကောင်အထည်ဖော်မဆောင်ရွက်မီအခြေအနေ

[၂] လျော့ချရေးနှင့် စီမံခန့်ခွဲရေးအစီအမံများ အကောင်အထည်ဖော်ဆောင်ရွက်ပြီးနောက်အခြေအနေ

၁.၇ ။ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု နှင့် စောင့်ကြပ်ကြည့်ရှုခြင်းအစီအစဉ်

ဤပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ်သည် အဆိုပြုထားသော စီမံကိန်း၏ ဖြစ်နိုင်ချေရှိသော အပြုသဘောဆောင်သောသဘာဝ ပတ်ဝန်းကျင်ဆိုင်ရာ သက်ရောက်မှုများ အားလုံးကို စနစ်တကျ စူးစမ်းလေ့လာခဲ့ပြီး လုပ်ငန်းလည်ပတ်မှုအဆင့်များတွင် ဖြစ်ပေါ်နိုင်သည့် ဆိုးကျိုးသက်ရောက်မှုများအပေါ် လျော့ပါးသက်သာစေခြင်းနှင့် စောင့်ကြည့် လေ့လာခြင်း နည်းလမ်းများကို ဖော်ထုတ်ထားပါသည်။ ပတ်ဝန်းကျင်နှင့်လူမှုရေးဆိုင်ရာ စီမံခန့်ခွဲမှုလုပ်ငန်းများ လုပ်ကိုင်နိုင်ရန်အတွက် နှစ်စဉ် ရန်ပုံငွေ တစ်ရပ်ထားရှိမည်ဖြစ်ပါသည်။

(က) ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်ဆောင်ရွက်ရန်အဖွဲ့အစည်း

ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှု (Environmental Management Plan) ကို အပြည့်အဝ အကောင်အထည်ဖော် ဆောင်ရွက်နိုင်ရန် အတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် ဆောင်ရွက်မည့် အဖွဲ့အစည်းကို ဖွဲ့စည်းမည်ဖြစ်ပါသည်။ ၎င်းအဖွဲ့အစည်းပုံစံအားအောက်ပါဇယားတွင် ဖော်ပြထားပါသည်။

ဇယား (၁.၂) EMP ဆောင်ရွက်မည့်အဖွဲ့ (EMPIT)

စဉ်	အဖွဲ့ဝင်များ	ရာထူး	ဦးရေ	မှတ်ချက်
၁	ဒါရိုက်တာ	ဥက္ကဋ္ဌ	၁	Yangon Oscar Fashion Co., Ltd
၂	စက်ရုံမန်နေဂျာ	အဖွဲ့ခေါင်းဆောင်	၁	Yangon Oscar Fashion Co., Ltd
၃	Supervisor	အဖွဲ့ဝင်	၂	Yangon Oscar Fashion Co., Ltd
၄	Engineer	အဖွဲ့ဝင်	၁	Yangon Oscar Fashion Co., Ltd
၅	အထောက်အကူပြုဝန်ထမ်း	အဖွဲ့ဝင်	>၂	Yangon Oscar Fashion Co., Ltd

တာဝန်ဝတ္တရားများ

ဒါရိုက်တာ

မန်နေးဂျင်းဒါရိုက်တာတစ်ဦး၏ တာဝန်ဝတ္တရားများမှာ မူဝါဒများ ချမှတ်ခြင်း၊ စီမံခန့်ခွဲခြင်း၊ စီစဉ်ခြင်း၊ စစ်ဆေးခြင်းနှင့် ဆုံးဖြတ်ချက်ချခြင်းတို့ ပါဝင်သည်။

စက်ရုံမန်နေဂျာ (အဖွဲ့ခေါင်းဆောင်)

- ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်ကို အကောင်အထည်ဖော်ဆောင်ရွက်ရန်၊
- ရလဒ်များနှင့် တွေ့ရှိချက်များအပေါ် စီမံကိန်းရေးဆွဲခြင်း၊ သုံးသပ်ခြင်းနှင့်အစီရင်ခံခြင်း၊

အဖွဲ့ဝင်

- သက်ဆိုင်ရာ စည်းမျဉ်းစည်းကမ်းများ အားလုံးနှင့်အညီ စည်းကမ်းလိုက်နာမှု ရှိစေရန်၊
- EMP အချိန်ဇယားအတိုင်း ပတ်ဝန်းကျင် စောင့်ကြည့်ရေး စတင်ဆောင်ရွက်ရန်။

အဖွဲ့အစည်း၏ တာဝန်ဝတ္တရားများ အသေးစိတ်ကို အခန်း (၈) တွင် ဖော်ပြထားပါသည်။

(ခ)စီမံခန့်ခွဲမှုအစီအစဉ်နှင့်လျော့ချရေးအစီအမံများအကျဉ်း

စီမံကိန်းကြောင့်ဖြစ်ပေါ်လာနိုင်သော ပတ်ဝန်းကျင်နှင့်လူမှုစီးပွားသက်ရောက်မှုများအား လျော့ချမည့်စီမံခန့်ခွဲမှုအစီအစဉ်အား အောက်ပါဇယားတွင် ဖော်ပြထားပါသည်။

ဇယား (၁.၃) ပတ်ဝန်းကျင်သက်ရောက်မှုလျော့ချခြင်းနည်းလမ်းများနှင့်စီမံခန့်ခွဲမှုအစီအစဉ် (စီမံကိန်းလည်ပတ်ခြင်းအဆင့်)

စဉ်	သက်ရောက်မှု	စီမံကိန်း လုပ်ငန်းစဉ်	သက်ရောက်မှုလျော့ချခြင်းနည်းလမ်းများ	နှစ်စဉ် ခန့်မှန်း ကုန်ကျစရိတ် (USD)	တာဝန်ယူဆောင်ရွက်မည့်သူ
၁	လေအရည်အသွေး	-ကုန်ကြမ်းနှင့်ကုန်ချောများ တင်ချခြင်း၊ - သယ်ယူပို့ဆောင်ခြင်း မော်တော်ယာဉ်များနှင့် မီးစက်လည်ပတ်ခြင်း	- စက်ရုံတွင် ကောင်းမွန်သော လေဝင်လေထွက်စနစ်ပြုလုပ်ထားခြင်း - အမှုန်အမွှားကာကွယ်ရေးနှာခေါင်းစည်းများ မျက်မှန်များပေးခြင်း - မီးစက်အားပုံမှန်စစ်ဆေးခြင်းနှင့် ပြုပြင်ထိန်းသိမ်းခြင်း	၅၀၀	EMP ဆောင်ရွက်မည့်အဖွဲ့ (EMPIT)
၂	ဆူညံသံနှင့် တုန်ခါမှု	စက်ယန္တရားများ၊ မော်တော်ယာဉ်များနှင့် မီးစက်လည်ပတ်ခြင်း	- အသံဆူညံမှုနည်းသောစက်များ၊ ချူပ်စက်များကို အသုံးပြုခြင်း - အသံဆူညံသောနေရာ၌ လုပ်ငန်းများဆောင်ရွက်ရာတွင် သတ်မှတ်နာရီအတွင်းလုပ်ဆောင်ရန်နှင့် အကာအကွယ် နားကြပ်တပ်၍ လုပ်ဆောင်ခြင်း - အသံထွက်သော မီးစက်၊ air compressor များတွင် အသံထိန်းစနစ် (Silencer/Muffler) များ တပ်ဆင်အသုံးပြုခြင်း - စက်ပစ္စည်းများအား စစ်ဆေးခြင်းနှင့် ပြုပြင်ထိန်းသိမ်းခြင်းများ ပုံမှန်ဆောင်ရွက်ပေးခြင်း	၅၀၀	EMPIT
၃	ရေအရည်အသွေး	လူသုံးဆေးကြောရေ	- မိလ္လာကန်စနစ်နှင့် ရေနုတ်မြောင်းများအားလုံးကို ပုံမှန်စစ်ဆေးထိန်းသိမ်းခြင်း - ရေနုတ်မြောင်းများအတွင်း အမှိုက်စွန့်ပစ်ခြင်းကို တားမြစ်ခြင်း - မိလ္လာကန်များ မပြည့်လျှံမီ မိလ္လာများကို စုပ်ထုတ်ရန်အတွက် စည်ပင်သာယာရေးအဖွဲ့နှင့် ပူးပေါင်းဆောင်ရွက်ခြင်း	၇၀၀	EMPIT

၄	စွန့်ပစ်ပစ္စည်း	ဖြတ်စများ (Fabric, Foam) - ရုံးနှင့် စားသောက်သည့် နေရာမှ စွန့်ပစ်ပစ္စည်းများ ဘေးအန္တရာယ်ရှိ စွန့်ပစ်ပစ္စည်းများ	- အမှိုက်ပုံးများကို သတ်မှတ်ထားသောနေရာများတွင် စနစ်တကျ ထားရှိ ဆောင်ရွက်သွားခြင်း - ပြန်လည်အသုံးပြုနိုင်သောအမှိုက်များ၊ ဖြတ်စများအားသီးခြား သိမ်းဆည်း၍ ပြန်လည်သုံးခြင်း (သို့) ရောင်းချခြင်း - ဘေးအန္တရာယ်ရှိစွန့်ပစ်ပစ္စည်းများအား သတ်မှတ်ထားသောအိတ်များတွင် သီးခြားသိမ်းဆည်းပြီး မြို့နယ် စည်ပင်သာယာရေးအဖွဲ့အားဆက်သွယ်၍ စွန့်ပစ်ခြင်း - သတ်မှတ်အချိန် (သို့) ပမာဏ အလိုက်နောက်ဆုံးအမှိုက်များစွန့်ပစ်ရန် မြို့နယ် စည်ပင်သာယာရေးအဖွဲ့အားဆက်သွယ်၍ စွန့်ပစ်ခြင်း	၅၀၀	EMPIT
၅	စွမ်းအင်အရင်းအမြစ် သုံးစွဲမှု	လျှပ်စစ်စွမ်းအင် သုံးစွဲမှု	- LED မီးလုံးများနှင့်/သို့မဟုတ် ဝပ်နည်းသောမီးအိမ်များကို အသုံးပြုခြင်း - အသုံးမပြုသည့်အခါတွင် စက်ပစ္စည်းများနှင့် မီးများပိတ်ခြင်း - စက်ပစ္စည်းများ (မော်တာများနှင့် အပူပေးယူနစ်များကဲ့သို့) သက်တမ်းကုန်ခြင်း၊အပေါင်းများကို အသစ်အစားထိုးခြင်း၊ ပိုမိုထိရောက်သော စက်ပစ္စည်းများကို အသုံးပြုခြင်း၊	လုပ်ငန်းလည်ပတ်/ ပြုပြင်ထိန်းသိမ်းမှု ကုန်ကျစရိတ်တွင် ပါဝင်ပြီး	EMPIT
		ရေသုံးစွဲမှု	- ရေသုံးစွဲမှုနည်းသော (Water-saving Plumbing Fixtures, Dual-flush toilets) အိမ်သာများကို အသုံးပြုခြင်း၊ - နှစ်စဉ် ဝန်ထမ်းများအား ရေချွေတာရေးဆိုင်ရာ အသိပညာပေးခြင်း၊ အသိပေး ပိုစတာများကပ်ထားခြင်း		
၆	ကျန်းမာရေးနှင့် ဘေးကင်းရေး	လုပ်ငန်းခွင်ကျန်းမာရေးနှင့် ဘေးကင်းရေး -	- ထိခိုက်အန္တရာယ်ရှိနိုင်သောနေရာများတွင် သတိပေး ဆိုင်းဘုတ်များ၊ အမှတ်အသားများ၊ လိုက်နာမှတ်များ သိမြင်သာရန် ထားရှိခြင်း - လိုအပ်သည့်နေရာများအလိုက် တစ်ကိုယ်ရေသုံးကာကွယ်ရေး ပစ္စည်းများ အသုံးပြုစေခြင်း - ထိခိုက်ဒဏ်ရာရမှုများနှင့် မတော်တဆမှုများအတွက် ရှေးဦးသူနာပြု ပစ္စည်းများနှင့် အဆက်အသွယ်အချက်အလက်များ ထားရှိပေးခြင်း	၁၀၀၀	EMPIT

			- စက်ရုံဆေးခန်းတွင် သူနာပြုတစ်ဦးခန့်အပ်ထားရှိခြင်း - စက်ရုံ၊အလုပ်ရုံလုပ်ငန်းခွင်များအတွက်ကျန်းမာရေးဝန်ကြီးဌာနမှထုတ်ပြန်ထားသော (COVID-19)ရောဂါ ကာကွယ်ရေး နှင့် ထိန်းချုပ်ရေး နည်းလမ်းများအတိုင်း တိကျစွာ လိုက်နာဆောင်ရွက်သွားခြင်း		
၇	လူမှုစီးပွားရေး	အလုပ်သမားပဋိပက္ခ	- အလုပ်သမားအက်ဥပဒေ၊ တည်ဆဲဥပဒေများနှင့်အညီ လိုက်နာဆောင်ရွက်ခြင်း - အလုပ်သမားများအား ခွဲခြားဆက်ဆံမှု မရှိစေရေးနှင့် တန်းတူညီမျှ အခွင့်အရေးနှင့် တရားမျှတသော ဆက်ဆံမှုများကို ဆောင်ရွက်ခြင်း - ဘေးကင်းပြီး ကျန်းမာသော လုပ်ငန်းခွင်အခြေအနေများကို ဖန်တီးပေးခြင်း	CSR လုပ်ငန်းစဉ် တွင်ပါဝင်ပြီး	EMPIT
၈	ဘေးအန္တရာယ် (Hazards)	မီးဘေးအန္တရာယ်	- မီးဘေးအန္တရာယ်မှ ကာကွယ်ရန် လုပ်ငန်းခွင်နေရာချုပ်စံအား ဒေသန္တရ မီးသတ်ဌာနမှ ညွှန်ကြားသည့် စက်မှုလုပ်ငန်းခွင်များနှင့် သက်ဆိုင်သော မီးသတ်ကုဒ်များ အတိုင်း အကောင်အထည်ဖော်ထားရှိခြင်း - စက်ရုံတွင်မီးသတ်ကိရိယာများ၊ အချက်ပေးစနစ်များ၊ မီးငြိမ်းသတ် ကိရိယာများ တပ်ဆင်ထားခြင်း။ ၎င်းကိရိယာများ အသုံးပြုချိန် ကောင်းမွန်မှုရှိရန် နှင့် အသင့်အနေအထားဖြစ်ရန် စနစ်တကျ ထိန်းသိမ်း ထားခြင်း - စက်ရုံ၌အရေးပေါ်ထွက်ပေါက်များနှင့် လမ်းကြောင်းများစီမံထားရှိပြီး ၎င်းထွက်ပေါက်များကို အမြဲရှင်းလင်းထားခြင်း - လုပ်သားများအား မီးဘေးအန္တရာယ်ကင်းရှင်းရေး လေ့ကျင့် အသိပေး သင်တန်းများပို့ချခြင်း	လုပ်ငန်းလည်ပတ်/ ပြုပြင်ထိန်းသိမ်းမှု ကုန်ကျစရိတ်တွင် ပါဝင်ပြီး သင်တန်းများပို့ချခြင်း အတွက် ၅၀၀	EMPIT နယ်မြေခံ မီးသတ်အဖွဲ့၏ လမ်းညွှန်မှုနှင့် ညှိနှိုင်းဆောင်ရွက်
		သဘာဝဘေး အန္တရာယ် ရေကြီးခြင်းနှင့် ငလျင်	- အရေးပေါ်စုရပ်နေရာပြုလုပ်ခြင်း - ရေကြီးရေလျှံမှုနှင့် မြေငလျင်ကဲ့သို့သော သဘာဝဘေးအွန္တရာယ်များအတွင်း ဘေးလွတ်ရာသို့ ရွှေ့ပြောင်းနိုင်ရေး အရေးပေါ်လုပ်ဆောင်မှုနှင့် တုံ့ပြန်ရေး အစီအစဉ်များ ဆောင်ရွက်ခြင်း။ - စက်ရုံ၌အရေးပေါ်ထွက်ပေါက်များနှင့် လမ်းကြောင်းများစီမံထားရှိပြီး		

			၎င်းထွက်ပေါက်များကို အမြဲရှင်းလင်းထားခြင်း		
၉	ယိုဖိတ်မှု နှင့် ယိုစိမ့်မှု	လောင်စာဆီများ ယိုဖိတ်မှု နှင့် ယိုစိမ့်မှု	- မတော်တဆ ယိုဖိတ်မှုမဖြစ်စေရန် လောင်စာဆီများကို စနစ်တကျ သယ်ယူကိုင်တွယ်ခြင်း။ - မတော်တဆယိုဖိတ်ပါက မြေဆီလွှာသို့စိမ့်ဝင်မှုမရှိစေရန် ကွန်ကရစ်ခင်း ထားပြီး အမိုး အကာရှိသော နေရာတွင် သိမ်းဆည်းထားသိုခြင်း - အရေးပေါ် ယိုဖိတ်မှုကို ထိန်းချုပ်ရန်အတွက် ယိုဖိတ်မှု စုဆောင်းသည့် ကိရိယာများကို အလွယ်တကူ ရနိုင်ရန်ဆောင်ရွက်ထားခြင်း။	လုပ်ငန်းလည်ပတ်/ ပြုပြင်ထိန်းသိမ်းမှု ကုန်ကျစရိတ်တွင် ပါဝင်ပြီး	EMPIT

ဇယား (၁.၄) ပတ်ဝန်းကျင်သက်ရောက်မှုလျော့ချခြင်းနည်းလမ်းများနှင့်စီမံခန့်ခွဲမှုအစီအစဉ် (စီမံကိန်းပိတ်သိမ်းခြင်းအဆင့်)

စဉ်	သက်ရောက်မှု	စီမံကိန်း လုပ်ငန်းစဉ်	သက်ရောက်မှုလျော့ချခြင်းနည်းလမ်းများ	ခန့်မှန်း ကုန်ကျစရိတ် (USD)	တာဝန်ယူဆောင်ရွက်မည့်သူ
၁	လေအရည်အသွေး	ဖြိုဖျက်ခြင်းလုပ်ငန်းမှ ထွက်လာသောဖုန်မှုန့် ယာဉ်များသွားလာမှု	- ဖြိုဖျက်သည့်နေရာနှင့် လမ်းများကို ရေဖြန်းပေးခြင်း - စွန့်ပစ်ပစ္စည်းများကို မီးရှို့ဖျက်ဆီးခြင်းကိုမပြုလုပ်ခြင်း - ယာဉ်နှင့်ယန္တရားများ အသုံးပြုခြင်းမရှိဘဲစက်နှိုးထားခြင်းအားလျော့ချခြင်း	၄၀၀	(EMPIT) (or) Contractor
၂	ဆူညံသံနှင့် တုန်ခါမှု	ဖြိုဖျက်ခြင်းနှင့် သယ်ယူပို့ဆောင်ရေး လှုပ်ရှားမှုများ	- ဖျက်သိမ်းခြင်းလုပ်ငန်းများအားနေ့အချိန်၌သာဆောင်ရွက်ခြင်း - ကောင်းမွန်သည့်ယာဉ်/စက်များ အသုံးပြုခြင်းနှင့်ပုံမှန်စစ်ဆေးခြင်း - အသံဆူညံသောနေရာ၌လုပ်ငန်းများဆောင်ရွက်ရာတွင် အကာအကွယ် နားကြပ်တပ်၍ လုပ်ဆောင်ခြင်း	၄၀၀	EMPIT (or) Contractor of demolition works
၃	ရေအရည်အသွေး	ဖြိုဖျက်ခြင်းနှင့် သယ်ယူပို့ဆောင်ရေး လှုပ်ရှားမှုများ	- ဖြိုဖျက်ခြင်းလုပ်ငန်းသုံး ယာဉ်နှင့် ယန္တရားများအား ပုံမှန် စစ်ဆေး ပြင်ဆင်ခြင်း - ရေမြောင်းအတွင်းသို့ဖြိုဖျက်ပြီးအမှိုက်များစွန့်ပစ်ခြင်းအားရှောင်ကြဉ်ခြင်း	၄၀၀	EMPIT (or) Contractor
၄	စွန့်ပစ်ပစ္စည်း	ဖြိုဖျက်ပြီးအမှိုက်များ	- ဖြိုဖျက်ပြီးအမှိုက်များအား သတ်မှတ်ပေးထားသောနေရာတွင် စွန့်ပစ်ခြင်း	၃၀၀	EMPIT (or) Contractor

၅	လူမှုစီးပွားရေး	စက်ရုံပိတ်သိမ်း အလုပ်အကိုင်များဆုံးရှုံးခြင်း	- စက်ရုံမပိတ်မီ အနည်းဆုံး ၃ လကြို၍ အလုပ်သမားများအား အသိပေးခြင်း - ဖြစ်နိုင်လျှင် လုပ်ငန်းတူစက်ရုံများတွင် အလုပ်အကိုင်ရရှိစေရန် အလုပ်သမားများကို ထောက်ခံပေးခြင်း - အလုပ်သမားများနှင့်သက်ဆိုင်သော ဥပဒေများနှင့်အညီ လျော်ကြေးပေးခြင်း	-	EMPIT

(ဂ) ပတ်ဝန်းကျင်စောင့်ကြပ်ကြည့်ရှုမှုအစီအစဉ်

ဇယား (၁.၅) ပတ်ဝန်းကျင်စောင့်ကြပ်ကြည့်ရှုမှုအစီအစဉ်

အမျိုးအစား	စောင့်ကြပ်ကြည့်ရှုမည့်အရာများ	အကြိမ်ရေ	စောင့်ကြပ်ကြည့်ရမည့်နေရာများ	တာဝန်ယူဆောင်ရွက်မည့်သူ	နှစ်စဉ် ခန့်မှန်းကုန်ကျစရိတ် (USD)
စီမံကိန်းလည်ပတ်ခြင်းအဆင့်					
လေအရည်အသွေး	Ambient air quality NO_2, SO_2, PM_{10}, $PM_{2.5}$, CO, O_3	(၆)လ တစ်ကြိမ်	စက်ရုံအဆောက်ဦရှေ့ (16°53'29.26"N 96°13'59.54"E)	EMPIT	၆၀၀
ဆူညံသံ	Noise level in dB(A)	(၆)လ တစ်ကြိမ်	Sewing Section အနီး (16°53'28.60"N 96°14'1.06"E)	EMPIT	၃၀၀
ရေအရည်အသွေး	BOD, ammonia, COD, copper, chlorine (total residual), fluoride, iron, pH, sulfide, temperature increase, total phosphorus, TSS and zinc	(၆)လ တစ်ကြိမ်	စွန့်ပစ်ရည် ရေမြောင်း (Effluent) (16°53'29.29"N 96°14'2.28"E)	EMPIT	၄၀၀
စွမ်းအင်အရင်းအမြစ်သုံးစွဲမှု	ရေနှင့်ဓာတ်အားအသုံးပြုမှုမှတ်တမ်း	လစဉ်	စက်ရုံတွင်း (မှတ်တမ်းစာရွက်စာတမ်း)၊	EMPIT	၁၀၀
စွန့်ပစ်ပစ္စည်း	အမှိုက်စွန့်ပစ်မှုစနစ်ကို စစ်ဆေးခြင်း အမှိုက်အမျိုးအစားနှင့် ပမာဏကို မှတ်တမ်း တင်ခြင်း	အပတ်စဉ်	စက်ရုံအတွင်းနှင့် ယာယီအမှိုက်ပုံးနေရာ (16°53'26.11"N 96°13'59.49"E)	EMPIT	၁၀၀

ကျန်းမာရေးနှင့် ဘေးကင်းရေး	စက်ရုံတွင်း မတော်တဆ ထိခိုက်မှု အဖြစ်အပျက် မှတ်တမ်းတင်ခြင်း	လစဉ်	စက်ရုံတွင်း (မှတ်တမ်းစာရွက်စာတမ်းများ)	EMPIT	၁၀၀
မီးဘေးအန္တရာယ်	မီးသတ်ဗူးများ၊ မီးဘေးအချက်ပြ စနစ် စသည်တို့ကောင်းမွန်စွာ အသုံးပြုနိုင်ခြင်းရှိ/ မရှိ	လစဉ်	စက်ရုံတွင်း (မှတ်တမ်းစာရွက်စာတမ်းများ)	EMPIT	၁၅၀
စီမံကိန်းပိတ်သိမ်းခြင်းအဆင့် (ပိတ်သိမ်းကာလမှာ အများဆုံး ကြာချိန်ခြောက်လခန့်ဖြစ်၍ တိုင်းတာမှုမှာ တစ်ကြိမ်သာရှိမည်ဖြစ်ပါသည်)					
လေအရည်အသွေး	NO_2, SO_2, PM_{10}, $PM_{2.5}$, CO, O_3	ခြောက်လတစ်ကြိမ်	ဖြိုဖျက်ခြင်းလုပ်ငန်းခွင်နေရာ (16°53'29.26"N 96°13'59.54"E)	EMPIT (or) Contractor	၃၀၀ / survey
ဆူညံသံ	Noise level in dB(A)	ခြောက်လတစ်ကြိမ်	ဖြိုဖျက်ခြင်းလုပ်ငန်းခွင် (16°53'29.26"N 96°13'59.54"E)	EMPIT (or) Contractor	၁၅၀ / survey
ရေအရည်အသွေး	DO, COD, BODs, pH, TSS temperature increase, total phosphorus and zinc	ခြောက်လတစ်ကြိမ်	ဖြိုဖျက်ခြင်းလုပ်ငန်းခွင်မှ စွန့်ပစ်ရည် (Effluent) (16°53'29.29"N 96°14'2.28"E)	EMPIT (or) Contractor	၂၀၀ / survey
စွန့်ပစ်ပစ္စည်း	အမှိုက်စွန့်ပစ်မှုစနစ်ကို စစ်ဆေးခြင်း အမှိုက်အမျိုးအစားနှင့် ပမာဏကို မှတ်တမ်း တင်ခြင်း	အပတ်စဉ်	ဖြိုဖျက်ခြင်းလုပ်ငန်းခွင်	EMPIT (or) Contractor	၅၀

၁.၈။ အများပြည်သူနှင့်တွေ့ဆုံဆွေးနွေးခြင်း

အဆိုပြုစီမံကိန်းနှင့်ပတ်သက်၍ အများပြည်သူများထံမှ သဘောထားမှတ်ချက်များရယူရန် လူထုတွေ့ဆုံပွဲအား (၂၅.၁၀.၂၀၂၄)ရက် သောကြာနေ့တွင် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက် အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) ရှိ Yangon Oscar Fashion Co., Ltd ၏ အစည်းဝေးခန်းမတွင် ကျင်းပပြုလုပ်ခဲ့ပါသည်။ အဆိုပါတွေ့ဆုံပွဲတွင် ကုမ္ပဏီမှ CMP စနစ်ဖြင့် အထည် ချုပ်လုပ်ခြင်းလုပ်ငန်းဆိုင်ရာ အချက်အလက်များနှင့် ပတ်ဝန်းကျင်ဆိုင်ရာ လေ့လာတွေ့ရှိချက်များအား ရှင်းလင်းတင်ပြခဲ့ပြီး တက်ရောက်လာသော အစိုးရဌာနဆိုင်ရာ တာဝန်ရှိသူများ၊ အနီးကျေးရွာများမှ အုပ်ချုပ်ရေးမှူးများ၊ ရပ်မိရပ်ဖများ၏ သိရှိလိုသည့်အချက်များ၊ သဘောထား မှတ်ချက်များနှင့် အကြံပြုချက်များအား ဖြေကြား ဆွေးနွေးခဲ့ပါသည်။ ဆွေးနွေးပွဲတွင် အများပြည်သူများထံမှ အပြုသဘောဆောင်သော သဘောထားမှတ်ချက်များ၊ အကြံပြုချက်များ ရရှိခဲ့ပြီး အဆိုပြုစီမံကိန်းပေါ်တွင် ကန့်ကွက်မှု မရှိပါကြောင်း တွေ့ရှိရပါသည်။

တွေ့ဆုံဆွေးနွေးပွဲ၏ အစည်းအဝေးမှတ်တမ်း၊ အကြံပြုချက်များ နှင့် တက်ရောက်သူများစာရင်းများကို အခန်း (၇)နှင့် နောက်ဆက်တွဲ (က)တို့တွင် ပြည့်စုံစွာဖော်ပြ ထားပါသည်။

၁.၉။ နိဂုံး

နိဂုံးချုပ်အနေဖြင့် ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှု အစီအစဉ် (EMP) လေ့လာမှုတွင် အောက်ဖော်ပြပါ အချက်များကို သတ်မှတ်ဖော်ပြထားပါသည်။

၁။ စီမံကိန်း အကောင်အထည်ဖော်ဆောင်မှု အဆင့်အလိုက် ပတ်ဝန်းကျင် အရည်အသွေးတန်ဖိုးများကို လေ့လာဆန်းစစ်ပြီး အစီရင်ခံစာတွင် အသေးစိတ်ဖော်ပြထားပါသည်။

၂။ ပတ်ဝန်းကျင်နှင့်လုပ်ငန်းခွင်အတွင်း ဘေးကင်းစေ၍ အရည်အချင်းပြည့်မီသော ဝန်ထမ်းများဖြင့် အဆိုပြုလုပ်ငန်းအား အစီရင်ခံစာပါ စီမံခန့်ခွဲမှုအစီအစဉ်များအတိုင်း အကောင်အထည်ဖော်ဆောင်ရွက်သွားမည် ဖြစ်ပါသည်။

ထို့ကြောင့်စီမံကိန်းအဆိုပြု သူအနေဖြင့် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်သက်ဆိုင်သော ဥပဒေပြဋ္ဌာန်းချက် များအား လေးစားလိုက်နာပြီး ယခု ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှု အစီအစဉ် (EMP) အစီရင်ခံစာတွင် တင်ပြထားသော ပတ်ဝန်းကျင်ထိခိုက်မှု လျော့ချရေး လုပ်ငန်းများနှင့် အစီအစဉ်များကို အပြည့်အဝလိုက်နာဆောင်ရွက် အကောင် အထည်ဖော်ဆောင်မည်ဖြစ်ကြောင်း၊ ဒေသတွင်း လူမှုစီးပွားရေး တိုးတက်ဖွံ့ဖြိုးစေမည် ဖြစ်ကြောင်းနှင့် နိုင်ငံတော်အတွက် အခွန်ဘဏ္ဍာများ တိုးတက်ရရှိစေမည် ဖြစ်ကြောင်း တင်ပြအပ်ပါသည်။

1. EXECUTIVE SUMMARY

1.1 Introduction

Yangon Oscar Fashion Company Limited with 100% foreign investment is operating the garment manufacturing on CMP basis and it is located in Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region. Yangon Oscar Fashion Co., Ltd has contracted a third party, Environmental Assessment Services Co., Ltd., to prepare an Environmental Management Plan (EMP) for the proposed project and submission of the report to the relevant department of the Environmental Conservation Department, under the Ministry of Natural Resources and Environmental Conservation.

1.2. Commitments

Project proponent, Yangon Oscar Fashion Co., Ltd. commit to fully follow the commitments, mitigation measures and plans set out in this EMP report and the commitment of the consultants, has prepared the report that the environmental management plan is accurate, consolidated and complete, and that it has been conducted in compliance with relevant laws, including environmental impact assessment procedures; is described in the front page and chapter (10) of this report.

1.3. Policy and Legal Requirements

This EMP for proposed project has been undertaken in accordance with the relevant national laws, rules and environmental legislation including Environmental Impact Assessment Procedure (2015) established by the Republic of Myanmar. Moreover, guidelines for the project component which will also be considered in preparing the EMP includes National Environmental Quality (Emission) Guidelines (2015) and International Finance Corporation (IFC), General Health and Safety (EHS) guideline (2007). Detail information are mentioned in Chapter 3.

The project will comply with the following laws, regulations, procedures, policies, and institutional frameworks, as well as related decrees issued from time to time.

No	Law/Rule/ Procedure	Enacted Year
1	Constitution of the Republic of the Union of Myanmar	2018
2	Myanmar National Environmental Policy	1994/2019
3	National Land Use Policy	2016
4	Environmental Conservation Law	2012
5	Environmental Conservation Rules	2014
6	Environmental Impact Assessment Procedure	2015
7	National Environmental Quality (Emission) Guidelines	2015
8	Myanmar National Waste Management Strategy and Master Plan (2018-2030)	2020
9	Myanmar Investment Law	2016
10	Myanmar Insurance Law	1993
11	Myanmar Companies Law	2018
12	Myanmar Insurance Rules	2017
13	Private Industrial Enterprise Law	1990
14	The Export and Import Law	2012

15	Prevention of Hazard from Chemical and Related Substances Law	2013
16	Myanmar Fire Brigade Law	2015
17	The Petroleum and Petroleum Product Law	2017
18	The Labour Organization Law	2011
19	The Settlement Labour Dispute Law	2012
20	The Development and Skillful Development Law	2013
21	The Minimum Wage Law	2013
22	The Payment of Wage Act	2016
23	The Workmen Compensation Act	1923
24	Social Security Law	2012
25	The Leave and Holiday Act	1951/2014
26	Public Health Law	1972
27	The Prevention and Control of Communicable Diseases Law	1995/2011
28	The Control of Smoking and Consumption of Tobacco Product Law	2006
29	The Factory Act	1951/2016
30	The Electricity Law	2014
31	The Boiler Law	2015
32	Underground Water Act	1930
33	Occupational safety and health law	2019
34	Natural Disaster Management Law	2013
35	Industrial Zone Law	2020
36	Traffic Safety and Motor Vehicle Management Law	2020
37	Traffic Safety and Motor Vehicle Management Rules	2022

1.4. Project Description

The proposed project is a garment factory on CMP basis with 100% foreign investment. It is located at Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region. The project proponent, Yangon Oscar Fashion Co., Ltd was registered as a private company limited by shares in December, 2021. (Company Registration No.131815840)

The raw materials needed for the proposed business will be imported from China and Korea.

The proposed garment factory is manufacturing various kinds of clothes such as Coat, long Jacket, Padding Jacket, Jumper, Padding Jumper, Vest on CMP basis. It will produce about 1,200,000 Pcs per year and export the products to foreign countries. The number of employees (917) will be appointed in the project. The followings are the brief descriptions of proposed project.

Project Descriptions	
Project proponent	Yangon Oscar Fashion Co., Ltd.
Type of project	Manufacturing of Garment on CMP basis
Location	Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region.
Investor	Mr. Dong Jixian

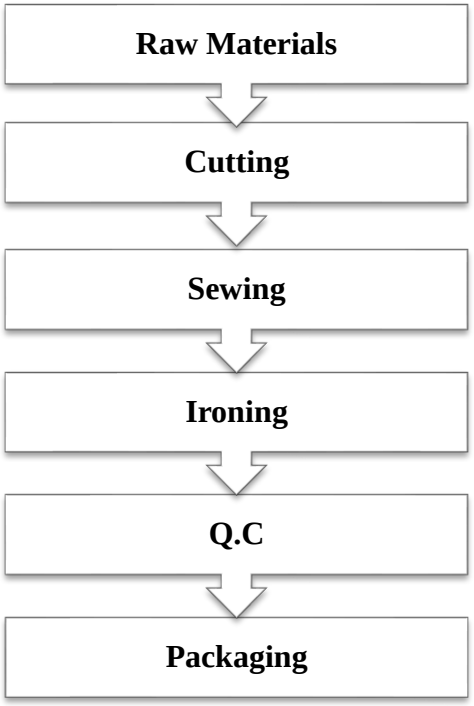
Amount of Investment	USD 1.1 (Million)
Investment period	30 Years
Production Capacity	(1,200,000 Pcs/year) various kind of cloths
Raw material	Fabrics and garments accessories imported from abroad
Project area	(3 acre)
Building	(170 ft x 290 ft) two-story (1) no, (38 ft x 90 ft) two-story (1)no
Current situation	Operation phase
Effluent	Only domestic waste water is discharged using the factory drainage system. There is no industrial waste water discharge.
Solid waste management system	Waste generated from the factory will be separated into wet and dry waste and disposed of according to the waste disposal methods established by the Township Development Committee.

List of Director in Yangon Oscar Fashion Co., Ltd

No.	Name	Post	Citizenship	Share %
1	MR. DONG JIXIAN	Managing Director	China	60%
2	MS. XU XIAOPING	Director	China	20%
3	MS. DONG XUXU	Director	China	20%
4	MR. YU ZHIHUA	Director	China	0%

Production Process

The production processes of the factory are shown in figure below.



Production Process of Proposed Factory

1.5. Description of the Surrounding Environment

The proposed Factory is located in Plot No. (173/A), Myay Taing Block No. (113), East Dagon Industrial Zone, East Dagon Township, Yangon Region. The factory is bordered by a gas pipeline to the east, land plot number (173/A) to the west, a railway line to the south, and Phan Chat Wun U Shwe Oh Street to the north.

The information provided in this section is based on data collected from primary and secondary sources. Secondary sources include a desktop review of published information, supplemented with information provided by project proponent and township profiles from official township data of East Dagon Township. Environmental onsite measurements (noise, air, and water quality) were collected in June, 2024.

Air quality

Ambient air quality measurements were taken with the HAZ-Scanner EPAS from June 11 to 12, 2024 during the project. The quality results obtained were found to be within the standard of the National Environmental Quality (Emissions) Guideline, NEQEG.

Noise

Noise was measured and recorded within the factory premises on June 11, 2024. The measured noise levels result was found to be in compliance with NEQEG.

Water quality

Water samples were collected from the tube well water and the wastewater discharge from the factory drain and sent to the ISO Laboratory for analysis. The laboratory results were compared with the WHO Guideline, and NEQEG guidelines.

The details of the field measurements (locations, photographs, equipment and methods used) and the measurement results for air quality, noise and laboratory results for water quality are described in Chapter 5 of the report.

1.6. Key Potential Impact and Proposed Mitigation

To identify the potential environmental and social impacts of the project, project activities were correlated with environmental and social receptors and their interactions were identified for potential environmental and social impacts.

According to the evaluation method, in identifying the environmental impacts, the significant impact levels were calculated based on the impacts that may occur due to the construction of the project (it has already been built and will not be disclosed), operation and decommissioning, and it was found as follows.

Summary of Impact Significant Assessment for Proposed Project

Impact Significance		**Impact on the environment**	
Intensity	**Measure**	**Operation Phase**	**Decommissioning Phase**
Very Low	Minor or no mitigation required	1	2
Low	Required minor mitigations	6	2
Moderate	Require more or less additional	1	-

	mitigations		
High	Require a number of additional mitigation or modification of the project design	-	-
Very High	Require additional mitigations plus modification of the project design or alternative action may be required	-	-

The proposed project is a manufacturing of garment on CMP basis, and it is found that the significant impact levels on the environment due to the project are almost very low and low. However, significant effects will be mitigated in order to exist in more or less rare cases. The mitigation measures during operation and decommissioning phase of the project are summarized in the Table 1.1 below.

Table 1-1 Summary of Impacts and Mitigation Measures

Potential Impacts	Impact Significance[1]	Mitigation Measures	Residual Impact Significance[2]
Operation Phase			
Air Quality (Generation of dust, PM and gases)	Low	- providing good ventilation system in factory - Provision of particulate protection masks and goggles - Regular inspection and maintenance of the generator. - Install filter in the boiler smoke stack and sufficient stack height	Very low
Noise (From factory processes)	Low	- Use the sewing and all other machines with low noise technology - Give the PPE for noise (earphone) and the sufficient time to rest for the workers working in noisy area - Installation of sound control system (Silencer/Muffler) in generator and air compressors - Perform regular inspection and maintenance of all machines	Very low
Water Quality (domestic wastewater)	Low	- Septic tanks and all drainage facilities should be inspected and maintained on a regular basis. - Prohibit the disposal of waste in drainage channel - Cooperate with municipals to pump out the sewage before reaching to the peak level in Septic tank	Very low
Waste Disposal (factory process wastes and domestic wastes)	Moderate	- Garbage bins are placed systematically in designated areas. - Recyclable waste; the scraps, cut wastes (Fabric, Foam) are saved separately and reused or sold - Hazardous waste are separately stored in the designated bags and disposed by cooperation with Township municipal - Contacting the township municipality to dispose the final waste according to the specified time or amount.	Very low
Health and Safety (Accidental injury, infectious diseases)	Low	- Warning signs in potentially dangerous areas; marks, Keeping the compliance points visible - Provide PPE when necessary - Provide first aid kits and contact points in case of injury and accidents - Appoint a nurse at the factory clinic. - Follow up and implement the “Guideline for Prevention and Control of Coronavirus Disease 2019 (COVID-19), In factories, workplaces and construction sites” by the Ministry of Health.	Very low

Hazards (Fire risk)	Low	- The workplace should be designed to prevent the start of fires through the implementation of fire codes applicable to industrial settings with directed by local fire department - Equipping facilities with fire detectors, alarm systems, and fire-fighting equipment. The equipment should be maintained in good working order and be readily accessible. - Emergency exits and routes are arranged in the factory and its exits are always clear. - Perform fire safety awareness training to all workers	Very low
Natural disaster risk (floods and earthquakes)	Low	- Set up the emergency assembling area - Conducting emergency action and response plan to evacuate during natural disaster risk such as flooding and earthquake. - Emergency exits and routes are arranged in the factory and its exits are always clear	Very low
Socio-economic (conflict of workers)	Very low	- Ensure total compliance with national labor and employment laws; - Promote the fair treatment, non-discrimination and equal opportunity for workers; and - Promote safe and healthy working conditions.	Very low
(employment opportunity)	Positive	- Prioritise the workers from nearby communities to recruit at the factory	-

Potential Impacts	Impact Significance[1]	Mitigation Measures	Residual Impact Significance[2]
Decommissioning Phase			
Air Quality (Generation of dust, PM and gases)	Low	- Water spraying of demolition area and road - Avoid incinerating waste materials - Reduce the idling time of vehicles and machineries while not in use	Very low
Noise (Demolition work, machines)	Low	- Dismantling operations only during the day - Reduce the idling time of vehicles and machineries while not in use. - Give the PPE for noise (earphone) for the workers working in noisy area	Very low
Water Quality (Using vehicles and machinery)	Very low	- Perform regular inspection and maintenance of all demolition machineries and vehicles - Prohibit the disposal of demolition debris into the nearby drainage channel	Very low
Solid wastes (Demolition wastes)	Very low	- Dispose the demolition debris only at the designated site	Very low
Socio-economic (loss of jobs)	Negative	- Announce the workers at least 3 months prior to factory closure - Recommend workers to work in similar factories if possible. - Compensation according to the national labour rules and regulations	Low

[1]before implementation of Mitigation and Management Measures
[2] after implementation of Mitigation and Management Measures

1.7. Environmental Management Plan

This EMP has, in brief, systematically explored all possible positive and negative environmental impacts of the proposed project and identified mitigation and monitoring measures on negative impacts which can be occurred in operation phases. Environmental and social management needs to be funded annually and the project proponent has a responsibility to fully implement the environmental management plan.

(A) Environmental Management Plan (EMP) Implementation Team

In order to fully implement the Environmental Management Plan, an organization will be formed to carry out the EMP. The organizational structure is described in the table below.

Table 1-2 Structure of EMP Implementation Team (EMPIT)

No.	Team members	Position	No. of member	Remark
1.	Director	Chairman	1	Yangon Oscar Fashion Co., Ltd
2.	Factory Manager	Team leader	1	Yangon Oscar Fashion Co., Ltd
3.	Supervisor	Member	2	Yangon Oscar Fashion Co., Ltd
4.	Engineer	Member	1	Yangon Oscar Fashion Co., Ltd
5.	Supporting staff	Member	>2	Yangon Oscar Fashion Co., Ltd

Roles and Responsibilities

Director

Duties and responsibilities of a managing director include formulating policies, managing, planning, checking and decision making of the project operations.

Factory Manager (Team leader)

The major duties and responsibilities of the factory manager of proposed project should be as given below:

- To implement the environmental management plan;
- Planning, tracking, and reporting on outputs and outcomes;
- Planning and executing communication plans to stakeholders.

Member

Duties of the member include:

- To assure regulatory compliance with all relevant rules and regulations,
- To initiate environmental monitoring as per approved schedule.

The detail information of roles and responsibilities

(B) Summery of Environmental Management and Mitigation Measures Plan

The management plan to minimize the environmental and socio-economic impacts that the project may cause is outlined in the table below.

Table 1-3 Summary of Environmental Management Plan at Operation phase

No.	Item	Project Activities/ Potential Impact	Mitigation and Management Action	Annual estimated cost (USD)	Responsible Party
1	Air Quality	-Uploading and inspection of the raw materials, -Moving material, and -Transportation. Machinery, vehicles and energy generator devices can emit gases to the atmosphere	- providing good ventilation system in factory - Provision of particulate protection masks and goggles - Regular inspection and maintenance of generators. - Install filter in the boiler smoke stack and sufficient stack height	500	EMP Implementation Team (EMPIT)
2	Noise	Noise due to generator, vehicles and automobile movements	- Use the sewing and all other machines with low noise technology - Give the PPE for noise (earphone) for the workers working in noisy area - Installation of sound control system (Silencer/Muffler) in generator and air compressors - Perform regular inspection and maintenance of all machines	500	EMP Implementation Team (EMPIT)
3	Water Quality	Domestic wastewater	- Septic tanks and all drainage facilities should be inspected and maintained on a regular basis. - Prohibit the disposal of waste in drainage channel - Cooperate with municipals to pump out the sewage before reaching to the peak level in Septic tank	700	EMP Implementation Team (EMPIT)
4	Waste	The types of wastes generated are; -Cut wastes (Fabric, Foam), -General waste from office and canteen - Hazardous waste -Liquid waste from sewerage system (toilets)	- Garbage bins are placed systematically in designated areas. - Recyclable waste; the scraps, cut wastes (Fabric, Foam) are saved separately and reused or sold - Hazardous waste are separately stored in the designated bags and disposed by cooperation with Township municipal - Contacting the township municipality to dispose of the	500	EMP Implementation Team (EMPIT)

			final waste according to the specified time or amount.		
5	Utilities Consumption	Electricity Consumption	- Use LED lights and/or lower wattage lamps; - Implementing good housekeeping measures such as turning off equipment and lights when not in use; - Using more efficient equipment when replacing old equipment (such as motors and heating units)	included in operational/ Maintenance cost	EMP Implementation Team (EMPIT)
		Water consumption	- Use of water efficient plumbing fixtures (ultra flow toilets and urinals) - inform and train all of staff on saving water on annual basis accordingly as well		
6	Health and Safety	Occupational safety and Health - Physical injuries communicable diseases	- Warning signs in potentially dangerous areas; marks, Keeping the compliance points visible - Provide PPE when necessary - Provide first aid kits and contact points in case of injury and accidents - Appoint a nurse at the factory clinic. - Follow up and implement the "Guideline for Prevention and Control of Coronavirus Disease 2019 (COVID-19), In factories, workplaces and construction sites" by the Ministry of Health.	1,000	EMPIT coordinate with the Local Health Department
7	Socio-economic	conflict of workers	- Ensure total compliance with national labor and employment laws; - Promote the fair treatment, non-discrimination and equal opportunity for workers; and - Promote safe and healthy working conditions.	included in CSR	EMP Implementation Team (EMPIT)
8	Risk (Hazards)	Fire Risk	- The workplace should be designed to prevent the start of fires through the implementation of fire codes applicable to industrial settings with directed by local fire department - Equipping facilities with fire detectors, alarm systems, and fire-fighting equipment. The equipment should be maintained in good working order and be readily	included in operational/ Maintenance cost 500 for training	EMPIT coordinate with the Local Fire Department

			accessible. - Provision of manual firefighting equipment that is easily accessible and simple to use - Fire and emergency alarm systems that are both audible and visible - Perform fire safety awareness training to all workers		
		Natural disaster risk (floods and earthquakes)	- Set up the emergency assembling area - Conducting emergency action and response plan to evacuate during natural disaster risk such as flooding and earthquake. - Emergency exits and routes are arranged in the factory and its exits are always clear		
9	Leak and spill	accidental spill of oil	- Carefully handle the fuel oil to avoid accidental spill - Store the fuel oil container/ barrel on the concrete floor and in a sheltered area. - spill collection kits kept readily available for emergency spill control	included in operational/ Maintenance cost	EMPIT

Table 1-4 Summary of Environmental Management Plan at Decommissioning Phase

No.	Potential Impact	Project Activities	Mitigation and Management Action	Estimated cost (USD)	Responsible Party
1	Air Quality	- Fugitive Dust from earthworks - Vehicular Emission	- Water spraying of demolition area - Establish and enforce speed limits of working vehicles - Prohibition of idling of vehicles - Avoiding demolition works during strong wind	400	EMP Implementation Team (EMPIT) (or) Contractor
2	Noise	Noise and vibration due to demolition and transportation activities	- Dismantling operations only during the day - Reduction of idling without the use of vehicles and machinery. - Give the PPE for noise (earphone) for the workers working in noisy area	400	EMPIT (or) Contractor of demolition works
3	Water Quality	Demolition of buildings, Operation of heavy machineries for demolition of buildings,	- Perform regular inspection and maintenance of all demolition machineries and vehicles - Prohibit the disposal of demolition debris into the nearby drainage channel	400	EMPIT (or) Contractor
4	Waste	Generation of solid waste from demolition works	- Dispose the demolition debris only at the designated site	300	EMPIT (or) Contractor
5	Socio-economic	Factory close	- Announce the workers at least 3 months prior to factory closure - Recommend workers to work in similar factories if possible. - Compensation according to the national labour rules and regulations	-	EMPIT

(C) Environmental Monitoring Plan

Table 1-5 Proposed Environmental Monitoring Plan

Impact Source	Parameters	Monitoring Frequency	Monitoring Locations	Responsibility	Annual Estimated Cost (USD)
Operation Phase					
Air Quality	Ambient air quality NO_2, SO_2, PM_{10}, $PM_{2.5}$, CO, O_3	Every six months	Infront of the factory building (16°53'29.26"N 96°13'59.54"E)	EMPIT	600
Noise	Noise level in dB(A)	Every six months	In Workplace (Near the Sewing Section) (16°53'28.60"N 96°14'1.06"E)	EMPIT	300
Water Quality (Effluent)	BOD, ammonia, COD, copper, chlorine (total residual), fluoride, iron, pH, sulfide, temperature increase, total phosphorus, TSS and zinc	Every six months	Factory outlet (Effluent) (16°53'29.29"N 96°14'2.28"E)	EMPIT	400
Utilities consumption	Record of water & fuel used	Monthly	At the factory (Record Documentation)	EMPIT	100
Waste	Inspect waste disposal system Record the type & amount of waste	Weekly	Inside the factory and Temporary garbage dump (16°53'26.11"N 96°13'59.49"E)	EMPIT	100
Health and Safety	Record of incidents at the Factory; Record of awareness rising activities for safety	Monthly	At the factory (Record Documentation)	EMPIT	100
Risk (Fire)	Inspection of whether fire extinguishers, fire alarm, fire boxes are in good condition	Monthly	Inside the factory (Record Documentation)	EMPIT	150

Impact Source	Parameters	Monitoring Frequency	Monitoring Locations	Responsibility	Estimated Cost (USD)
Decommissioning Phase (The closure period will last for a maximum of six months and will be measured only once)					
Air Quality	NO_2, SO_2, PM_{10}, $PM_{2.5}$, CO, O_3	Every six months Until completion of decommissioning	At demolition area (16°53'29.26"N 96°13'59.54"E)	EMPIT (or) Contractor	300 / survey
Noise	Noise level in dB(A)	Every six months	At demolition area (16°53'29.26"N 96°13'59.54"E)	EMPIT (or) Contractor	150 / survey
Water Quality (Effluent)	DO, COD, BODs, pH, TSS temperature increase, total phosphorus and zinc	Every six months	At demolition area (Effluent) (16°53'29.29"N 96°14'2.28"E)	EMPIT (or) Contractor	200 / survey
Waste	Inspect waste disposal system Record the type & amount of waste	Weekly	At demolition area	EMPIT (or) Contractor	50

1.8. Public Consultation

A public meeting was held on Friday (25-10-2024) at the meeting hall of Yangon Oscar Fashion Co., Ltd. in Yangon Region, East Dagon Township, East Dagon Industrial Zone, Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, Plot No. (173/A) to receive comments from the public about the proposed project. It was held at the property.

In the meeting, the company clearly presented the information and environmental observations regarding the CMP system. Local people, officials from government departments and workers attended and discussed. Positive comments from the public in the discussions and suggestions were received. Moreover, it was found that there was no objection on the proposed project.

Their comments, suggestions, attendance lists and the meeting minutes of the meeting are fully described in Chapter (7) and Appendix (A).

1.9. Conclusion

In conclusion, the EMP study for the proposed project identifies the following:

- Environmental quality values for each project implementation phase are analyzed and detailed in the report.
- The project will be implemented in accordance with the proposed EMP with qualified staff for safe environment and workplace

Therefore, the project proponent will fully implement the proposals contained in the Environmental Management Plan (EMP) report. It should be submitted that it will develop the socio-economic development of the region and increase the revenue for the Region/State.

2. INTRODUCTION

2.1 Project Background

The proposed project is situated Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region. The Project is a factory that manufactures various kinds of clothes such as Coat, long Jacket, Padding Jacket, Jumper, Padding Jumper, Vest. It is primarily set up for cut, make, and pack (CMP) contract manufacturing and finished goods are exported to the foreign countries.

The project proponent, Yangon Oscar Fashion Co., Ltd. was established in December, 2021 according to the Certificate of Directorate of Investment and Company Administration. The type of business of the proponent is a 100% foreign investment established under the Myanmar Companies Act.

The designated area for the project will occupy (3) acres in total. The factory began operations in February 2023 and is currently operational. The factory will manufacture various kinds of clothes and capacity of 1,200,000 pieces per year of high-quality garment products.

2.2. The Aim of the Proposed Project

The objectives of the project are as following:

(a) To manufacture and sell a variety of garments to the international market.
(b) To acquire knowledge and train production techniques and produce production experts.
(c) To create employment opportunities
(d) To improve national foreign currency income,

2.3 Purpose of the EMP

According to the Article 55 (a) of the Environmental Conservation Rules (2014), and Article 24 of the EIA Procedure (2015), any project which require the Environmental Management Plan (EMP) determined by the Ministry, is necessary to prepare the EMP report either by the Project Proponent or engage with a person or organization who/which is registered according to the Article 18 of the EIA procedure (2015).

According to the letter No. Ya Ka/EIA/5(2) (3379/2024) on 8th October, 2024, the Yangon Region, Environmental Conservation Department (ECD) decided that the project was required to prepare and submit the EMP report to the Ministry of Natural Resources and Environmental Conservation (MONREC). Therefore, the project proponent has requested Environmental Assessment Servicess Co., Ltd. (EAS) (the Consultant) to complete the Environmental Management Plan (EMP) for the proposed project.

2.4. Project Proponent

The followings are the brief of project proponent.

Company Name	Yangon Oscar Fashion Co., Ltd.
Company Registration No.	131815840 (Dated: 26.12.2021)
Project Developer	Mr. Dong Jixian (MD)

Project Address	Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region
Type of Project	Manufacturing of Garment on CMP basis
Investment types	100% foreign Investment
Investment Period	30 years
Contact person	Mr. Dong Jixian Ph. 09788817880 Email. myanmardongtaigarments@gmail.com

(i) Types of business organization to be formed:
One hundred percent : 100% Foreign
(ii) Particulars of company incorporation

(a) Authorized capital : USD 10,000 per Share
(b) Type of share : Ordinary Shares
(c) Number of Shares : 110

(iii) Particulars of Paid-up Capital of the Investment

	Kyat/USD (Millions)
(a) Amount/percentage of local capital to be contributed	1.1 Million USD
(b) Amount/percentage of foreign capital to be brought in	Nil
Total	**1.1 in Million (USD)**

(iv) List of shareholders

No.	Name	Post	Citizenship	Share %
1	MR. DONG JIXIAN	Managing Director	China	60%
2	MS. XU XIAOPING	Director	China	20%
3	MS. DONG XUXU	Director	China	20%
4	MR. YU ZHIHUA	Director	China	0%

2.5. EMP Consultants and Team

The EMP study of proposed garment factory was carried out by Environmental Assessment Services Co., Ltd. (EAS). The following tables present information about the study team and key team members involved in preparing of this EMP.

Table 2-1 Brief Information of Study Team

Consulting Organization Info.	
Company Name	Environmental Assessment Services Co., Ltd.
Company Registration Number	102544463 30/08/2018 (Ygn)
EIA License (Organization)	EIA-CO (B)002/2024

Contact Address	No.449(B), Yadanthiri Road, (10) Ward, Shwe Pyi Tha Tps, Yangon, Myanmar
Telephone Number	959259906057, +95 09972355999
E-mail	thantzinforestry@gmail.com, ea.services@gamil.com
Contact person	U Thant Zin ESIA Team Leader +959259906057

Table 2-2 EMP Study Team Member

No.	Name	License	Areas of Expertise
1	U Thant Zin	Associate Consultant (EIA-AC 023/2023)	▪ Social Study and Analysis ▪ Biodiversity ▪ Natural Resource Management (Forestry) ▪ Air Pollution Monitoring
2	Dr. Kyaw Soe	Associate Consultant (EIA-AC 040/2023)	• General Management
	Supporting Experts		
1	U Naing Zaw Win	-	• Noise and Vibration

2.6. EMP Study Methodology

The study on existing environmental resources in the project area focused on two main resources-physical and socio-economic resources. The physical resources such as quality of air, noise and water surrounding the project area are called the primary data which is collected from existing information during site visit in June 2024. This data collection was done by direct observation, interviews, and environmental quality assessment surveys.
Additionally, the secondary data are obtained from relevant ministries/bodies and research institutions as reference material for the preparation of the formulation of the EMP report.

2.7. Structure of the EMP Report

The EMP report consists of ten chapters and the structure of the report is as follows;

- Executive Summary
- Introduction
- Policy, Legal and Institutional Framework
- Project Description
- Existing Environment and Social Conditions
- Impact Assessment and Mitigation Measures
- Public Consultation and Disclosure
- Environmental Management Plan
- Conclusion and Recommendation
- Statement of Commitments

3. POLICY, LEGAL AND INSTITUTIONAL FRAMEWORK

3.1. Corporate Environmental and Social Policies

Yangon Oscar Fashion Co., Ltd has environmental policy of doing environmentally and socially responsible with minimal impact on the environment. It must follow all laws and regulations prescribed by the Republic of the Union of Myanmar over specified in environmental policy, laws, rules, regulations and other international guidelines.

The company is working with the local committees and government agencies, such as Ministry of Natural Resources and Environmental Conservation (MONREC) integrating the environment into its planning, operations and policy decisions. The first and foremost policy is to comply with laws, rules and regulations relating to the physical and social environment. Most of all, it will follow the rules and regulations set up by the Environmental Conservation Department (ECD), the main agency responsible for environmental management of regional level. The company is committed to operating in as environmentally friendly and practical a manner as possible.

An EMP is a project document to be prepared according to the requirements and guidance of the MONREC and ECD. EMP means the method and the plan to be adopted to protect, avoid and mitigate environmental impacts due to each project phase like planning, implementation, operation, decommissioning and after decommissioning of a project, business, service or activity or any other reasons because of the project. Such plan includes monitoring plan to monitor the change of environmental condition and environmental conservation activities and precautionary measures in response of environmental emergency [Environmental Conservation Rules, 50/ 2014, Chapter I, Articles (2g)]. An EMP should include programs to manage, implement activities, and monitor changes to the environmental context. [EIA Procedure, Notification No. 616/2015]

Corporate Environmental and Social Policies of Project Proponent

The main policy and commitment of Yangon Oscar Fashion Co., Ltd can be identified in the following points:

- We can supply the CMP Garment Cargo to other production and manufacturing sectors,
- implementing project development with being less or no impact on society and the environment;
- the compliance with Myanmar laws, regulations and industrial standards regarding the environment, health, safety and hygiene at work in all of our operations
- creating employment opportunities and to increase GDP

3.2. Environmental Policy and Legal Framework in Myanmar

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.

3.2.1. Myanmar Regulatory Framework

In Myanmar, the leading ministries in-charge of environmental and social considerations are the Environmental Conservation Department (ECD) of the MONREC that was reorganized Ministry of Environmental Conservation and Forestry (MOECAF) on 30 March 2016.

3.2.2. Institutional Arrangement

The Ministry of Environmental Conservation and Forestry (MOECAF) was reformed as the Ministry of Natural Resources and Environmental Conservation (MONREC) on 30th March, 2016 in order to undertake both environmental and natural resources conservation and management more effectively. Under Section 3 of the Environmental Impact Assessment Procedure (2015), pursuant to section 21 of the law and Articles 52, 53 and 55 of the Environmental Conservation Rules, all projects and project expansions undertaken by any organization, which may cause impact on environmental quality that, are required to obtain prior permission. This is to be in accordance with section 21 of the Environmental Conservation Law, and Article 62 of the Environmental Conservation Rules, having the potential to cause adverse impacts, that are required to undertake IEE or EIA or to develop an EMP, and to obtain an Environmental Compliance Certificate (ECC) in accordance with this EIA procedure.

3.2.3. Relevant Myanmar Laws and Regulations

Myanmar has promulgated several laws and regulations concerning protection of the environment. Laws relating to environmental and social issues related to the project and the project proponent shall follow the laws and regulations are listed below.

Constitution of the Republic of the Union of Myanmar, 2008

(Articles 45 and 390)

45. The Union shall protect and conserve natural environment.

390. Every citizen has the duty to assist the Union in carrying out the following matters:

(a) preservation and safeguarding of cultural heritage;

(b) environmental conservation;

(c) striving for development of human resources;

(d) protection and preservation of public property

Myanmar National Environmental Policy (2019)

Section 7; National Environmental Policy Principles

To pursue this vision, the Government of the Republic of the Union of Myanmar adopts the following 23 National Environmental Policy principles as the guiding framework for achieving: a clean environment and healthy, functioning ecosystems; sustainable economic and social development; and the mainstreaming of environmental protection and management:

(a) Clean environment and healthy, functioning ecosystems

(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.

(b) Sustainable economic and social development

(13) Pollution and waste is 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.

National Land Use Policy (2016)

The objectives of the National Land Use Policy are as follows:

(a) To promote sustainable land use management and protection of cultural heritage areas, environment, and natural resources for the interest of all people in the country;

(b) To strengthen land tenure security for the livelihoods improvement and food security of all people in both urban and rural areas of the country;

(c) To recognize and protect customary land tenure rights and procedures of the ethnic nationalities;

(d) To develop transparent, fair, affordable and independent dispute resolution mechanisms in accordance with rule of law;

(e) To promote people centered development, participatory decision making, responsible investment in land resources and accountable land use administration in order to support the equitable economic development of the country;

(f) To develop a National Land Law in order to implement the above objectives of National Land Use Policy.

Environmental Conservation Law **(30th March, 2012)**

Environmental Conservation Law was enacted by the Pyidaungsu Hluttaw in 30th March, 2012. This law was approved in section 7 (o) "managing to cause the polluter to compensate for environmental impact, cause to contribute fund by the organizations which obtain benefit from the natural environmental service system, cause to contribute a part of the benefit from the businesses which explore, trade and use the natural resources in environmental conservation works. This section was shown in section 14 in which "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." Further, Section 15 was described in 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. According to section 24, The Ministry may, in issuing the prior permission, stipulate terms and conditions relating to environmental conservation. It may conduct inspection whether or not it is performed in conformity with such terms and conditions or inform the relevant Government departments, Government organizations to carry out inspections. This law was prohibited by section 29, "No one shall violate any prohibition contained in the rules, notifications, orders, directives and procedures issued under this Law".

***Environmental Conservation Rules* (5th June, 2014)**

This environmental conservation rule was approved by ministry of environmental conservation and forestry in 5th June, 2014. This law was prohibited by this rules section 69, sub-section (a) and (b),

(a) Any person shall not emit, ask to emit, dispose, ask to dispose, pile and ask to pile, by any means, hazardous waste or hazardous substances stipulated by notification according to any rules in this rule at any place which may affect the public directly or indirectly.
(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."

***Environmental Impact Assessment Procedure* (29 Dec., 2015)**

This procedure was enacted by ministry of environmental conservation and forestry in 29 December, 2015. This procedure was directed in responsibility for all adverse impacts in which section 102 to 105;

The Project Proponent shall bear full legal and financial responsibility for:

a) all of the Project Proponent's actions and omissions and those of its contractors, subcontractors, officers, employees, agents, representatives, and consultants employed, hired, or authorized by the Project acting for or on behalf of the Project, in carrying out work on the Project; and
b) PAPs until they have achieved socio-economic stability at a level not lower than that in effect prior to the commencement of the Project, and shall support programs for livelihood restoration and resettlement in consultation with the PAPs, related government agencies, and organizations and other concerned persons for all Adverse Impacts.

103. The Project Proponent shall fully implement the EMP, all Project commitments, and conditions, and is liable to ensure that all contractors and subcontractors of the Project comply fully with all applicable Laws, the Rules, this Procedure, the EMP, Project commitments and conditions when providing services to the Project.

104. The Project Proponent shall be responsible for, and shall fully and effectively implement, all requirements set forth in the ECC, applicable Laws, the Rules, this Procedure and standards.

105. The Project Proponent shall timely notify and identify in writing to the Ministry, providing detailed information as to the proposed Project's potential Adverse Impacts.

This procedure was also described in monitoring about from section 106 to 110;

106. The Project Proponent shall, during all phases of the Project (pre-construction, construction, operation, decommissioning, closure and post-closure), engage in continuous,

proactive and comprehensive self-monitoring of the Project and activities related thereto, all Adverse Impacts, and compliance with applicable laws, the Rules, this Procedure, standards, the ECC, and the EMP.

107. The Project Proponent shall notify and identify in writing to the Ministry any breaches of its obligations or other performance failures or violations of the ECC and the EMP as soon as reasonably possible and in any event, in respect of any breach which would have a serious impact or where the urgent attention of the Ministry is or may be required, within not later than twenty-four (24) hours, and in all other cases within seven (7) days of the Project Proponent becoming aware of such incident.

108. The Project Proponent shall submit monitoring reports to the Ministry not less frequently than every six (6) months, as provided in a schedule in the EMP, or periodically as prescribed by the Ministry.

109. The monitoring reports shall include: a) documentation of compliance with all conditions; b) progress made to date on implementation of the EMP against the submitted implementation schedule; c)difficulties encountered in implementing the EMP and recommendations for remedying those difficulties and steps proposed to prevent or avoid similar future difficulties; d) number and type of non-compliance with the EMP and proposed remedial measures and timelines for completion of remediation; e) accidents or incidents relating to the occupational and community health and safety, and the environment; and f) monitoring data of environmental parameters and conditions as committed in the EMP or otherwise required.

110. Within ten (10) days of completing a monitoring report as contemplated in Article 108 and Article 109 in accordance with the EMP schedule, the Project Proponent shall make such report (except as may relate to National Security concerns) publicly available on the Project's website, at public meeting places (e.g. libraries, community halls) and at the Project offices. Any organization or person may request a digital copy of a monitoring report and the Project shall, within ten (10) days of receiving such request, submit a digital copy via email or as may otherwise be agreed upon with the requestor.

Moreover, in section 113 was shown in,

For purposes of monitoring and inspection, the Project Proponent:

a) shall grant to the Ministry and/or its representatives, at any time during normal working hours, access to the Project's offices and to the Project site and any other location at which the Project activities or activities related to the Project are performed; and

b) from time to time as and when the Ministry may reasonably require, shall grant the Ministry access to the Project's offices and to the Project site and any other location at which the Project activities or activities related to the Project are performed.

Section 115 was prescribed in the event of an emergency, or where, in the opinion of the Ministry, there is or may exist a violation or risk of violation of the compliance by the Project

with all applicable environmental and social requirements, the Project shall grant full and immediate access to the Ministry at any time as may be required by the Ministry.

This procedure was that the Project Proponent shall further ensure that the Ministry's rights of access hereunder shall extend to access by the Ministry to the Project's contractors and subcontractors.

National Environmental Quality (Emission) Guidelines

Objectives
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
Section :13 Air emissions, noise, odor, and liquid/effluent discharges will be sampled and measured at points of compliance as specified in the project EMP and ECC.

Myanmar's National Waste Management Strategy and Master Plan (2018-2030)
Vision
Sustainable, Green, Clean and Healthy Environment towards a Brighter Future for Myanmar
Mission
To develop and implement the holistic and integrated waste management strategy based on principles of inclusiveness, zero waste, zero emissions and circular economy to achieve a greener, cleaner and healthier environment in Myanmar.

Myanmar Investment Law **(18th Oct., 2016)**
This law was enacted by the Pyidaungsu Hluttaw with the notification number 40/ 2016 in October 18, 2016. This law was expressed in section 50(d) as the land use right in which the investor shall register the land lease contract at the Office of Registry of Deeds in accordance with the Registration Act. In section 51 had shown that the investor:

(a) may appoint of any citizen who is a qualified person as senior manager, technical and operational expert, or advisor in his investment within the Union in accordance with the laws;

(b) shall appoint them to replace, after providing for capacity building programs in order to be able to appoint citizens to 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 salaries, leave, holidays, overtime fees, damages, compensation of the workman, social welfare, and other insurance related 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.

According to section 65, the more important to the projects investors responsibilities was directed in sub-section (f) to (q);

(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;

(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;

(l) 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.

Moreover, this law was instructed the investor shall insure 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 in section 73.

Myanmar Investment Rules (2017)

The project company commits to comply with rule 202, 203, 206 and 212 as follows.

- To comply with rule 202, the project company shall comply with all terms and conditions in the permit and other applicable laws when the investment is carried out.
- The project company fully assist the negotiation processes with the relevant government departments and government organizations for the affected persons due to proposed project according to Rule 203.
- The project company commits to submit the application attached with reference documents to the Commission and obtain the approval if the company desires to appoint expert foreigner according to Rule 206.
- The project company promise to ensure that Bodily Injury Insurance and Workmen Compensation Insurance at any insurance business entitled to carry out insurance business within the Union by the company in accordance with Rule 212

Myanmar Insurance Law (23rd Jul, 1993)

This law was prescribed by the State Law and Order Restoration Council in 23rd July, 1993. This law was directed as a section 15; owners of motor vehicles shall affect compulsory Third Party Liability Insurance with the Myanmar Insurance. 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 effect compulsory General Liability Insurance with the Myanmar Insurance under this law according to section 16.

Myanmar Insurance Rule (30th Mar., 2017)

This rule was prescribed by Ministry of Planning and Finance with notification 30/ 2017 in 30th Mar. 2017. This law was followed the investor must comply with the conditions of the Permit and other applicable laws when making an Investment and shall fully assist while negotiating with the Authority for settling the grievances of the local community that have been effected due to Investments in section 203. According to section 206, If the Investor is desirous to appoint a foreigner as senior management, technician expert or consultant according to section 51 (a) of the Law, it shall submit such foreigner's passport, expertise evidence or degree and profile to the Commission Office for approval. Section 73 was described that every Investor that holds the Permit or Tax Incentives must have taken out the relevant insurance out of the following types of insurance at any insurance business that holds the license in the Union based on the nature of the business:

(a) Property and Business Interruption Insurance;

(b) Engineering Insurance;

(c) Professional Liability Insurance;

(d) Professional Accident Insurance;

(e) Marine Insurance; and

(f) Workmen Compensation Insurance.

Myanmar Companies Law (2018)

Section 2- Companies that may be incorporated and registered

The following types of body corporate may be incorporated and registered under this Law:

(a) a company limited by shares, which may be either:

(i) a private company which may have no more than 50 members (not including persons who are in the employment of the company); or

(ii) a public company which may have any number of members;

(b) a company limited by guarantee which may have any number of members; and

(c) an unlimited company which may have any number of members.

Section 3- Other corporations that may be registered under this Law

As further provided by and subject to Division 9, the following bodies corporate formed under this Law or other laws may be registered under this Law:

(a) a business association;

(b) an overseas corporation;

(c) any other corporation which is entitled to register as a company by this Law or any other applicable law; and

(d) such other entities as may be prescribed by the Union Minister from time to time.

***Private Industrial Enterprise Law* (26th November, 1990)**

This law was enacted by the State Law and Order Restoration Council in 26th November, 1990. This law was described in section (4);

(a) Any person desirous of conducting any private industrial enterprise;

(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.

According to section 13, some more important duties of the entrepreneur are as follows -

(b) shall abide by the terms and conditions of the registration certificate;

(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;

Moreover, section 15(a) and (b) was described that the entrepreneur has the right to carry out the followings:-

(a) appointing foreign exports and technicians with the approval of the Ministry;

(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.

The Export and Import Law (2012)

The project company commits to comply with Section 5, 6 and 7 as follows

Section 5- No person shall export or import restricted, prohibited and banned goods.

Section 6- Without obtaining license, no person shall export or import the specified which is to obtain permission.

Section 7- A person who obtained any license shall not violate the conditions contained in the license

***Prevention of Hazard from Chemical and Related Substances Law* (26th August, 2013)**

This law was enacted by Pyidaungsu Hluttaw with notification number 28/ 2013 in 26th August 2013. Section 15 was described as 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 equipments 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.

A person who has obtained a licence shall follow under section 16:

(a) shall abide the licence regulations;

(b) 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;

(c) shall keep the required safety equipments enough in the chemical and related substances businesses, furthermore shall grant the personal protection equipments and dresses free of charge to the working persons;

(d) 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;

(e) 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;

(f) shall make medical checkup 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 checkup records shall be kept systematically;

(g) 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;

(h) shall acquire in advance the guidance e 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;

(j) 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 license;

(k) 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.

Section 17 was stated 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. According to section 22, a 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. About the hazard control and decrease had directed in section 27 in which 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 equipments, the personal protection equipments 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 equipments which are used them.

Myanmar Fire Brigade Law (17th March, 2015)

Myanmar fire brigade law was enacted by the Pyidaungsu Hluttaw in 17th March 2015. According to section 25, Any factory, industry, bus stop, airport, port, hotels, motels, guest houses, high rise mixed used buildings, markets, offices, organizations, concerning fire risk owners or management person in accordance with fire department guidance: -

No one can default to compose reserved fire force.

No one can absence to place fire safety equipment.

The Petroleum and Petroleum Product Law (1st August, 2017)

This law was enacted by the Pyidaungsu Hluttaw with notification number 20/2017 in 1st August, 2017. The project proponent commits to comply the provisions acted in the section 15, 16 and 17 of The Petroleum and Petroleum Product Law (2017)

Section 15- Any person desirous to transport or store non-dangerous petroleum and petroleum products locally, shall obtain licence if it is more than 500 gallons. However, in storing 500 gallons and less, receptacle not exceeding 200 gallons shall be used.

Section 16- Any person may, without obtaining licence, store, import or transport any dangerous petroleum and petroleum product not exceeding six gallons not intended for sale.

Section 17. If it is desirous to store any dangerous petroleum and petroleum product according to section 16, the product shall be put and stored in the glass, stone or metal receptacle with secure cap. If it is desirous to store in the glass or stone receptacle, the volume shall not exceed 0.25 gallon. If it is desirous to store in metal receptacle, the volume shall not exceed 5 gallons.

The Labor Organization Law (11th October, 2011)

This law was enacted by the Pyidaungsu Hluttaw with the notification number in 11th October, 2011. This law was described in section 3 in which “every worker, who has attained

the age prescribed in respective existing law to work in any trade or activity shall have the right to:

(a) join as a member in a labor organization and to resign from a labor organization according to their own desire;

(b) join as a member only in a labor organization formed according to the category of trade or activity relating to them."

Moreover, section 18 was prescribed "the labor organization has the right to demand the relevant employer to re-appoint a worker if such worker is dismissed by the employer and if there is cause to believe that the reasons of such dismissal were based on labor organization membership or activities, or were not in conformity with the labor laws."

***The Settlement Labor Dispute Law* (28th March, 2012)**

This law was enacted by the Pyidaungsu Hluttaw with the notification number 5/2012 in 28th March, 2012. This law was described in section 23, "A party, employer or worker, may complain individual dispute relating to his grievance to the Conciliation Body and if he is not satisfied with the conciliation of such body in accord with stipulated manners, may apply to the competent court in person or by the legal representative." According to section 38 and 42, it was prohibited in which:

Section 38. No employer shall fail to negotiate and coordinate in respect of the complaint within the prescribed period without sufficient cause.

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.

***The Development and Skillful Development Law* (30th August, 2013)**

This law was enacted by the Pyidaungsu Hluttaw with the notification number 29/2013 in 30th August, 2013. Section 15 was described in "Employer may:-

(a) in implementing programs of training to enhance the skills of workers, conduct in-house/ in- plant training, systematic on-the-job training, send his workers to outside training courses, conduct training by means of information technology either individually or in groups of employers for individual or groups of workers.

(b) employ young persons who have completed (16) years of age as apprentices in accordance with the regulations made by the Skills Development Agency and train them in the various skilled occupations."

According to section 25, "the worker who has skills recognition certificate is eligible for participation in the relevant local and international skills competitions."

***The Minimum Wage Law* (22nd March, 2013)**

This law was enacted by the Pyidaungsu Hluttaw with the notification number 7/2013 in 22nd March, 2013. Section 12 was described in the duties of the employer in which

(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 commercial, production and service business in cash. Moreover, if the specific benefits, interests or opportunities are to be paid, it may be paid in cash or partly in cash and partly in property, with prevailing regional price, jointly according to the desire of the worker;

(e) in paying minimum wage to the workers working in the agricultural and livestock business, some cash and some property at prevailing regional price may be paid jointly according to local custom or desire of the majority of workers or collective agreement. 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.

About the rights of the workers relating to the minimum wage, section 14 (a) was issued that "a worker working in any establishment relating to this law: has the right to obtain the minimum wage stipulated under this Law or, if the employer pay more than the said wage.

***The Payment of Wage Act* (25th January, 2016)**

This law was prescribed by the Pyidaungsu Hluttaw with the notification number in 25th January, 2016. This law was described in section 3 and 4 in which methods of payment and time-frame. According to the section 3,

The employer must

(a) Pay in local currency or foreign currency recognized by the Central Bank of Myanmar. This may be in cash, check or deposit into the bank account of Employee.

(b) Moreover, pay can be in the means of…

(1) Totally in cash OR half the cash and half in things set according to the local price to those employees working in trade, manufacturing and service sectors.
(2) Totally in cash OR half the cash and half in things set as local price according to local traditions or common agreement to those working in agriculture and livestock sectors. But this must be for the sake of the employees and their families. And, it also must be reasonable/fair.
(3) An employee shall receive the payment for 60 days when he/she is in Alternative Civil Service.

Section 4 was described in an employer must pay for-

(a) Part-time, daily, weekly or other part-time job, temporary or piecework when the work is done or at the agreed time.

(b) According to the Article (a), the time frame shall not exceed one month.

(c) Wages for the permanent work must pay per monthly basis. If so…

(1) Must pay at the end of the payment period when there are not more than 100 workers.
(2) If there are 100 workers and above, pay must not be administered later than 5 days after the end of the payment period.

(d) Upon termination, wages must be paid within 2 days from the date of termination.

(e) If a resignation letter is submitted, wages must be paid at the ending day of the payment period.

(f) If an employee dies, wages must be paid to the legally recognized heir within 2 working days after the day he/she has died.

(g) All wages must be paid during the working day.

***The Workmen Compensation Act* (1923)**

The workmen's compensation act enacted in 1951. This act was described in subsection 2 of section 3, If a workman employed in any employment Involving the handling of wool, hair, bristles, or animal carcasses or parts of such carcasses, or in the loading, unloading or transport of any merchandise, or in any work in connection with animals infected with anthrax, contracts the disease of- anthrax, shall be described in schedule (III) : List of occupational diseases. After sub-section (2), following shall be inserted as subsection (3), provided that the compensation shall be recoverable from the employer who last employed the workman during the said twelve months in the employment to the nature of which the disease was due.

***Social Security Law* (31th August, 2012)**

This law was enacted by the Pyidaungsu Hluttaw with the notification number 15/2012 in 31th August, 2015. This law was described in section 9 (a) The Ministry of Labor, to enable to provide health care and medical treatment under this Law:

i. carrying out assigning duty jointly or transfer or appoint doctors, dental and oral surgeons, nurses, midwives, and technicians who obtain medical practitioner license or registration certificate issued by the Medical Council of the Republic of the Union of Myanmar, the Dental and Oral Medicine Council, and the Nurses and Midwives Council of the Republic of the Union of Myanmar, practitioners of traditional medicine who obtain registration certificate issued by the Indigenous Medicine Council in co-ordination with the Ministry of Health;
ii. if it is, may appoint doctors, dental and oral surgeons, nurses, midwives, technicians and also practitioners of traditional medicine who obtain medical practitioner license or registration certificate issued by the respective council by hiring for a limited period or concluding agreement and determine the functions thereof.

The Leave and Holiday Act, 1951 **(Law Amended July, 2014)**

The Leave and Holidays Act was firstly adopted on 1st January 1952, by the International Labor Organization, Myanmar. Recently, the Act was amended in July 2014. The key objectives of this Act are to allow workers (daily wage worker/temporary worker/permanent worker) to have a leave and holiday allowances, religious or social activities with earn allowance, and health insurance allowances.

- The followings describe the right of workers to leave and have a holiday:
- Causal Leave (6 days)
- Earned Leave (10 days)
- Medical Leave (30 days)
- Maternity leave
- Public Holiday (21 days)
- Penalty for Violation

Public Health Law **(1972)**

This law was enacted by the Myanmar State and Revolution Council with the notification number 1/2972. This law was described in chapter 2 about the protection of public health in which section 2, whatever, other existing laws, the government was working to improve the public health, to protect the public health and the following devices to perform for advices, inspection, supervision, repair, prohibition.

1) Environmental Health Services
2) About the sell and produced food of the people
3) About the usage of household and cosmetic products
4) About the infectious diseases
5) About the private hospital
6) About the usage of medicine for the people

The Prevention and Control of Communicable Diseases Law **(20th March, 1995)/ (Law Amemded in 2011)**

The Prevention and Control of Communicable Disease Law was firstly adopted on 1955, by the International Labor Organization, Myanmar. Recently, the Act was amended in July 2011. According to:

Section 3: In order to prevent the outbreak of Communicable Diseases, the project proponent has towork with the Department of Health shall implement required activities under this section.

Section 4: The project proponent has to comply with the measures undertaken by the Ministry of Health and the Department of Health under section 3 in respect of prevention of the occurrence and spread of communicable disease and control thereof.

Section 9: If the project proponent notices occurrence of any of the following matters, the project proponent has to report immediately to the nearest health department or hospital: enmasse death of animals including
(a) chicken and birds
(b) rat fall;
(c) suspicion or occurrence of epidemic disease; occurrence of notifiable disease."
Section 11: The project proponent in order to prevent and control the spread of a Principal Epidemic Disease has to allow the health Officer to undertake the measures detailed in.

The Conservation of water resources and river law **(2006, amended in 2017)**

This law was enacted in 2006 then amended in 2017 with Pyidaungsu Hluttaw Law no.11. This law was prohibited in section 8(a), No person shall:

(a) carry out any act or channel shifting with the aim to ruin the water resources and rivers and creeks.

Section 11 was also prohibited in no person shall:

(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.

(b) catch aquatic creatures within river-creek boundary, bank boundary or waterfront boundary with poisonous materials or explosives.

(c) dispose of disposal soil and other materials from panning for gold, gold mineral dredging or resource production in the river and creek, into the river and creek or into the water outlet gully which can flow into the river and creek.

According 19 and 21(b), no one shall dispose of any substance into the river-creek that may cause damage to waterway or change of watercourse from the bank or vessel which is plying, vessel which has berthed, anchored, stranded or sunk and
No one shall:

drill well or pond or dig earth without the permission of the Directorate.

Moreover, section 22 and 24 (b) were prohibited that 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 and no one shall:

(b) violate the conditions prescribed by the Directorate so as not to cause water pollution and change of watercourse in rivers and creeks.

The Factories Act **(1951)**

This act deals with the provisions for the proper disposal of wastes and effluents in factories, treatment of wastewater, regulations for health and cleanliness in factories and prevention of hazards. First aid appliances related to factory are presented in Article 47 and described below.

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.

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 Electricity Law (2014)

The project proponent commits to comply the provisions acted in the section 45, 47, 52 and 53 of The Electricity Law (2014)

Section 45- No electrical business shall be operated other than the business contained in the permit by any permit holder.

Section 47- No one shall produce, transmit, connect, contact and use the electric power without electric safety certificate.

Section 52- No one shall connect, waste, and utilize the electric power without the permission of the permit holder.

Section 53- No one shall cut off the electric power line, transfer electricity, destroy electrical equipment and used in any electrical business.

***Boiler Law* (14th July, 2015)**

This law was enacted by the Pyidaungsu Hluttaw with the notification number 39/2015 in 14th July, 2015. This law was directed in section 6, it should be produced according to Myanmar or international rules and regulations. This law was prohibited in section 60, 61 and 62 in which

Section 60: No one prepare to boiler not to have boiler preparation certificate.

Section 61: No one maintain to the handle of boiler without the boiler maintenance certificate.

Section 62: No one prepare and change the allowance pressure over the safety pressure cork to the own desirous or the duty from the owner.

The Underground Water Act (1930)

The main purpose of the Underground Water Act is to use ground water in a systematic way to be sustainable. The project proponent complies it to conserve and protect underground sources of water supply and commits to comply the section 3 and 6 of the Underground Water Act.

***Occupational safety and health law* (March 15, 2019)**

This law has enacted by Pyidaungsu Hluttaw with the notification No. 8/2019 in the Union of Myanmar at 15 March, 2019. The objectives of occupational health and safety law are to implement the safety and health effectively in each sector, to reduce and mitigate suffering from injuries, diseases related to workplaces, to prevent from workplaces hazards, not

encouraging workplaces diseases by employer, employee and related to this law, to promote the productivity and to prevent occupational injuries and hazard following by occupational safety and health law, to create safety and health workplace through regard to suitable our national norm compared with international norm and to support the research for occupational health and safety development. The occupational health and safety law prescribed in chapter (6), sub-section (a), "Safety officer should appoint about the workplaces safety and health as a responsible person for safety workers by industry. Moreover, "the employer should manage and evaluate the necessary things in which machinery equipment hazards and dangerous measures," was directed in section 26(a) of chapter (8). Further, this law has shown in section 30 (a),"the employee should be used to right the personal protected equipment and its wearing according to regard of department for occupational safety and health by employer.

***Industrial Zone Law* (26th May, 2020)**

This law was prescribed by the Pyidaungsu Hluttaw with the notification number 7/2020 in 26th May, 2020. The aim of this law was described in to promotion of the operation of industrial businesses within Industrial Zones; systematic management reducing environmental and social impacts; implementation of the relevant rules, procedures and standards for the reduction of these impacts caused by industrial businesses. As a section 28,

The Investor shall comply with the provisions of the Environmental Conservation Law and, furthermore, with the laws in force with regard to occupational safety and healthcare matters.

Section 37, Environmental conservation arrangements shall be implemented in accordance with the laws in force during the establishment of an Industrial Zone and the implementation of industrial businesses.

Section 38, The Developer shall arrange and include required facilities and technology for the storage, treatment and disposal of waste products from industrial businesses in a newly established Industrial Zone.

Section 39, The Investor shall create and implement pollution control management and energy management [measures] according to the procedures specified by the relevant ministries.

Section 40, Annual environmental conservation plans shall be made and implemented at Established Industrial Zones under the supervision of the Regional Committee.

Section 41, The Investor shall pay the fees as specified by the Management Committee for the safe collective storage and disposal of waste products in the Industrial Zone based on the volume of the waste discharge.

Section 42, Investors in Established Industrial Zones where a safe collective storage and disposal of waste products system cannot be implemented shall make their own arrangements for the installation of a system that can safely store and dispose waste products.

Natural Disaster Management Law (31st July,2013)

Section13. The department, organization or person that has been assigned responsibility under this Law:

(a) shall undertake the following functions after laying down the plan in accord with the natural disaster management plans in order to reduce damage and losses that are likely to be caused by natural disaster;

(i) preparatory and preventive measures for natural disaster risk reduction in pre-disaster period;

(ii) emergency responses including search and rescue during natural disaster;

(iii) rehabilitation and reconstruction activities for improving better living standard in post disaster period and conservation of the environment that has been affected by natural disaster;

(b) shall give priority and protect infants, the elderly, the disabled and women (especially pregnant women or mothers and suckling mother) in carrying out the functions contained in sub-section (a);

(c) shall refrain from the act that causes injuring human dignity in supporting the victims.

Section 17. When the natural disaster strikes, emergency responses including search and rescue include the following:

(a) emergency search and rescue of missing persons due to natural disaster;

(b) evacuation of the victims to the safety area and providing accommodation in temporary shelters;

(c) emergency supporting of food and relief items;

(d) clearance of damage and collecting preliminary data on losses and making examinations for necessaries to provide;

(e) opening an emergency management centre and closely supervised the natural disaster;

(f) providing emergency health care to the local people and prevention of the outbreak of contagious diseases by forming mobile healthcare teams;

(g) providing medical treatment to the injured and the sick by opening temporary clinics and hospitals;

(h) conducting emergency responses including search and rescue according to the type of natural disaster;

(i) performing other duties assigned by this Law in respect of emergency responses including search and rescue.

Section 19. The National Committee shall establish the Natural Disaster Management Fund with the following receipts to carry out natural disaster management activities:

(a) allocation from the Union budget fund;

(b) contribution and donation from foreign countries, international organizations and external regional organizations, loans from local and foreign and other official receipts;

(c) contributions and donations of local bodies, well-wishers in local and foreign, civil societies and other non-government organizations;

(d) official accrued money received from fund.

***Traffic Safety and Motor Vehicle Management Law* (26th May 2020)**

This Traffic Safety and Motor Vehicle Management Law was enacted by the Pyidaungsu Hluttaw with notification number 6/2020 in 26th May 2020. This law was prohibited in section 81, "No person shall drive, permit to drive or stop a motor vehicle in a public place under any of the following situations::

(a) No person shall drive a motor vehicle in a public place if he has no driving licence.

(b) No owner or responsible person of a motor vehicle shall permit to drive or allow to drive such motor vehicle to any person who has no driving licence.

(c) driving a motor vehicle more or less the speed limit;
(b) driving a motor vehicle which may be dangerous;
(c) driving a motor vehicle by using narcotic drugs or psychotropic substances or intoxicated liquor.

3.3. International Agreements and Conventions

In addition to the domestic laws listed above, Myanmar is also a signatory to the following international conventions, and these may have relevance to the proposed survey activities. Refer to the following table.

Table 3-1 International Agreements and Conventions Relevant to the Proposed Project

No	International Environmental Convention/Protocol/Agreement	Date of Signature/ Rectification	Date of Member	Cabinet Approval
1	United Nations Agenda 21	-	1997	-
2	Plant Protection Agreement for the South-East Asia and the Pacific Region, Rome, 1956	4-11-1959	4-11-1959	-
3	Vienna Convention for the Protection of the Ozone Layer, Vienna, 1985	24-11-1993	22-2-1994	46/93
4	Montreal Protocol on Substances that Deplete the Ozone Layer, Montreal, 1987	24-11-1993	22-2-1994	46/93
5	London Amendment to the Montreal Protocol on Substances that Deplete the Ozone Layer, London, 1990	24-11-1993	22-2-1994	46/93
6	United Nations Framework Convention on Climate Change (UNFCCC), New York, 1992	11-06-1992	25-11-1994	41/94
7	Convention on Biological Diversity, Rio de Janeiro, 1992	11-06-1992	25-11-1994	41/94
8	The Convention for the Protection of the World Culture and Natural Heritage, Paris, 1972	-	29-4-1994	6/94
9	ASEAN Agreement on the Conservation of Nature and Nature Resources, Kuala Lumpur, 1985	16-10-1997	-	-
10	Asia Least Cost Greenhouse Gas Abatement Strategy (1998 ALGAS)	-	1998	-
11	Kyoto Protocol to the Convention on Climate Change, Kyoto, 1997	-	13-8-2003	-
12	Stockholm Convention on Persistent Organic Pollutants (POPs), 2001	18-4-2004	18-7-2004	14/2004
13	Basel Convention, 1989	-	2015	-

14	Workmen's Compensation (Accidents) Convention, 1925	30-11-1927	16 -2-1956	-
15	Workmen's Compensation (Occupational Diseases) Convention 1925 and its Revision 1934	30-11-1927	17-5-2016	-

3.4. International and National Guidelines and Standards

International policies, guidelines and standards relevant to environmental and social impacts of projects that are referred to by most countries are those issued by the National Environmental Quality (Emission) Guideline (NEQEG), World Health Organization (WHO), the U.S Environmental Protection Agency (EPA), the World Bank, and the International Finance Corporation (IFC). The policies, guidelines and standards of the World Bank and IFC are cross-referenced and complementary as the IFC is an organization of the World Bank Group. They are also adopted by most development organizations such as the Asian Development Bank, and Japan Bank for International Cooperation. It should be noted that the guidelines and standards recommended by the World Bank and IFC, especially those related to environmental pollution, also provide due consideration to the guidelines and standards of U.S. EPA and WHO.

3.4.1. IFC's Standards and Guidelines

IFC's standards and guidelines relevant to this project are described in two documents:

- Performance Standards on Environmental and Social Sustainability, January 1, 2012.
- Environmental, Health and Safety-General Guidelines, April 30, 2007.

IFC EHS Guidelines

The EHS Guidelines by IFC are technical reference documents with general and industry – specific examples of Good International Industry practice (GIIP), as defined in IFC's Performance Standard 3: Resources Efficiency and Pollution Prevention. The EHS Guidelines contain the performance levels and measures that are normally acceptable to IFC and that considered achievable in new facilities at reasonable costs by existing technology.

There are two kinds of guidelines, General EHS Guidelines and Industry Sector Guidelines. The General EHS Guidelines contain information on cross-cutting environmental, health, and safety issues potentially applicable to all industry sectors in the following section: (1) Environment, (2) Occupational Health and Safety, (3) Community Health and Safety and (4) Construction and Decommissioning. Table 3.2 shows the contents of the section of Community Health and Safety.

Table 3-2 Community Health and Safety Contents

Contents	Brief Description
Water Quality and	Drinking water sources should at all times be protected so that they meet or exceed applicable national acceptability standards or in their absence the

Availability	current edition of WHO Guidelines for Drinking-Water Quality. Project activities should not compromise the availability of water for personal hygiene needs and should take account of potential future increases in demand. The overall target should be the availability of 100 liters per person per day.
Structural Safety of Project Infrastructure	Reduction of potential hazards is best accomplished during the design phase when the structural design, layout and site modifications can be adapted more easily. The following issues should be considered and incorporated. As appropriate into the planning, siting, and design phases. A project of (1) inclusion of buffer strips or other methods of physical separation around project sites to protect the public from major hazards associated with hazardous materials incidents or process failure. (2) incorporation of siting and safety engineering criteria to prevent failures due to natural risks posed by earthquakes, tsunamis, wind, flooding, landslides and fire, and (3) application of locally regulated or internationally recognized building codes, standards and regulations, and mitigation measures.
Traffic Safety	All project personnel should promote traffic safety during displacement to and from the workplace, and during operation of project equipment on private or public roads. Prevention and control of traffic related injuries and fatalities should include the adoption of safety measures that are protective of project workers and of road users, including those who are most vulnerable to road traffic accidents.
Transport of Hazardous Materials	Projects should have procedures in place that ensure compliance with local laws and international requirements applicable to the transport of hazardous materials.
Disease Prevention	Recommended interventions against the communicable diseases at the project level include (1) providing surveillance and active screening and treatment of workers. (2) preventing illness among workers in local communities by undertaking health awareness and education initiatives, training health workers in disease treatment and conducting immunization programs for workers, and (3) providing treatment through standard case management in on-site or community health care facilities.
Emergency preparedness and Response	All projects should have an Emergency preparedness and Response Plan that is commensurate with the risks of the facility. In addition, that includes the following basic elements: (1) Administration (policy, purpose, distribution, definitions, etc.) (2) Organization of emergency areas (command centers, medical stations, etc., (3) Roles and responsibilities, (4) Communication systems, (5) Emergency response procedures, (6) Emergency resources, (7) Training and updating, (8) Checklists (role and action list and equipment checklist), and (9) Business Continuity and Contingency.

Source: IFC, Environmental, Health, and Safety (EHS) Guidelines, General EHS Guidelines: Community Health and Safety (April 30.2007)

Drinking Water

Drinking water for employees must need with WHO Drinking Water Standards and National Drinking Water Quality Standards (Ministry of Health, Myanmar) as follows:

Table 3-3 Drinking Water Quality Standards

Sr. No.	Parameters	Unit	Drinking Water Standards	
			WHO	NDWQS*(MOH)
1.	Arsenic	mg/l	0.01	0.05
2.	Chloride	mg/l	250	250
3.	Copper	mg/l	2	2
4.	Cyanide	mg/l	0.07	0.07
5.	Manganese	mg/l	0.1	0.4
6.	pH	-	6.5~8.5	6.5~8.5
7.	Sulphate	mg/l	500	250
8.	Fluoride	mg/l	1.5	1.5
9.	Total Dissolved Solids	mg/l	1000	1000
10.	Total Hardness as $CaCO_3$	mg/l	500	500
11.	Iron	mg/l	0.3	1
12.	Turbidity	NTU	5	5
13.	Color (True)	TCU	15	15

* National Drinking Water Quality Standards (Ministry of Health)

3.4.2. National Environmental Quality (Emission) Guidelines (NEQEG)

Objective of the guidelines are to provide the basis for regulation and control of noise and vibration, air emissions and effluent discharges from various sources in order to prevent pollution for purpose of protection of human health and ecosystem.

Guidelines application to the project

The project environmental management plan during operation needs to comply with Myanmar National Environmental Quality (Emission) Guidelines (2015) and parameters relevant to the Project are shown in Table 3.4 to Table 3.6, as follows:

Table 3-4 Air Quality Standard **(**NEQEG**)**

Parameter	Averaging Period	Guideline Value µg/ m³
Nitrogen dioxide	1-year 1-hour	40 200
Ozone	8-hour daily maximum	100
Particulate matter PM10	1-year 24-hour	20 50
Particulate matter PM2.5	1-year 24-hour	10 25
Sulphur dioxide	24-hour 10 -minute	20 500

Table 3-5 Effluent standards for storm- water (site runoff) and domestic wastewater

Sr. No.	Parameter	Unit	Guideline Value
1.	5-day Biochemical Oxygen	mg/l	50
2.	Ammonia	mg/l	10
3.	Arsenic	mg/l	0.1
4.	Cadmium	mg/l	0.1
5.	Chemical Oxygen Demand,	mg/l	250
6.	Chlorine (total residual)	mg/l	0.2
7.	Chromium (Hexavalent)	mg/l	0.1
8.	Chromium (total)	mg/l	0.5
9.	Copper, (Cu)	mg/l	0.5
10.	Cyanide (free)	mg/l	0.1
11.	Cyanide (total)	mg/l	1
12.	Fluoride	mg/l	20
13.	Heavy metals (total)	mg/l	10
14.	Iron	mg/l	3.5
15.	Lead	mg/l	0.1
16.	Mercury	mg/l	0.01
17.	Nickel	mg/l	0.5
18.	Oil and grease	mg/l	10
19.	pH	-	6-9
20.	Phenols	mg/l	0.5
21.	Selenium	mg/l	0.1
22.	Silver	mg/l	0.5
23.	Sulphide	mg/l	1
24.	Temperature increase	ºC	<3
25.	Total coliform bacteria	100 ml	400
26.	Total phosphorus	mg/l	2
27.	Total suspended solids	mg/l	50
28.	Zinc	mg/l	2

Table 3-6 Noise Level Standard **(**NEQEG**)**

Receptor	One Hour LAeq (dBA)a	
	Daytime 07:00-22:00 (10:00-22:00 for Public holidays)	**Night time 22:00-07:00 (22:00-10:00 for Public holidays)**
Residential, institutional, educational	55	45
Industrial, commercial	70	70

a Equivalent continuous sound level in decibels

4. PROJECT DESCRIPTION

4.1. Type of Project

The proposed project is the 100% foreign investment by Yangon Oscar Fashion Co., Ltd. with an estimated foreign capital USD 1.1 Million. Yangon Oscar Fashion Co., Ltd was founded in December, 2021. The factory type of business is manufacturing of garments using the Cut-Make-Pack basic (CMP System) and export to other foreign countries. The factory will manufacture various kinds of clothes such as Coat, long Jacket, Padding Jacket, Jumper, Padding Jumper, Vest. The general manufacturing has the capacity of 1,200,000 Pcs per year of clothes.

4.2. Project Schedule for Implementation

The project proponent leased (3) acres of land including building. The factory started operating in February 2023 after making the necessary preparations and sewing lines in the factory building. The project construction was already completed. A description of the plan for the implementation of the project operation period is total (30) years and decommissioning phase is approximately six months

The proposed schedule of project implementation is as follows:

Project Phase	(completed)	From February, 2023 to February 2053	(6) Months
Construction phase			
Operation phase			
Decommissioning Phase			

4.3. Location of the Project

The factory is located at Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region. It is situated at the central coordinates of 16°53'28.17"N Latitude and 96°14'0.25"E Longitude.

Figure 4-1 Location of the Project Area

Figure 4-2 Vicinity of the Project Area

4.4 Project Components

The total area of land is 3 acres which is equivalent to 12140.48 m^2. The project is constructed two main building. Production process (Cutting, Sewing and Packaging) in two story building (1) and Office, raw materials warehouse and finished goods storage room will be carried out in the two-story building (2). The layout plan of the project is shown in Figure 4.3 and 4.4.

Table 4-1 Size and Number of Buildings in Proposed Project

No.	Building Category	Size (LxW)	Unit
1	Factory building 1	(170′ x 290′) steel structure + RCC	2 story
2	Factory building 2 (Office + Dormitory)	(38′ x 90′) steel structure + RCC	2 story
3	Canteen	(120′ x 60′) steel structure	1 story

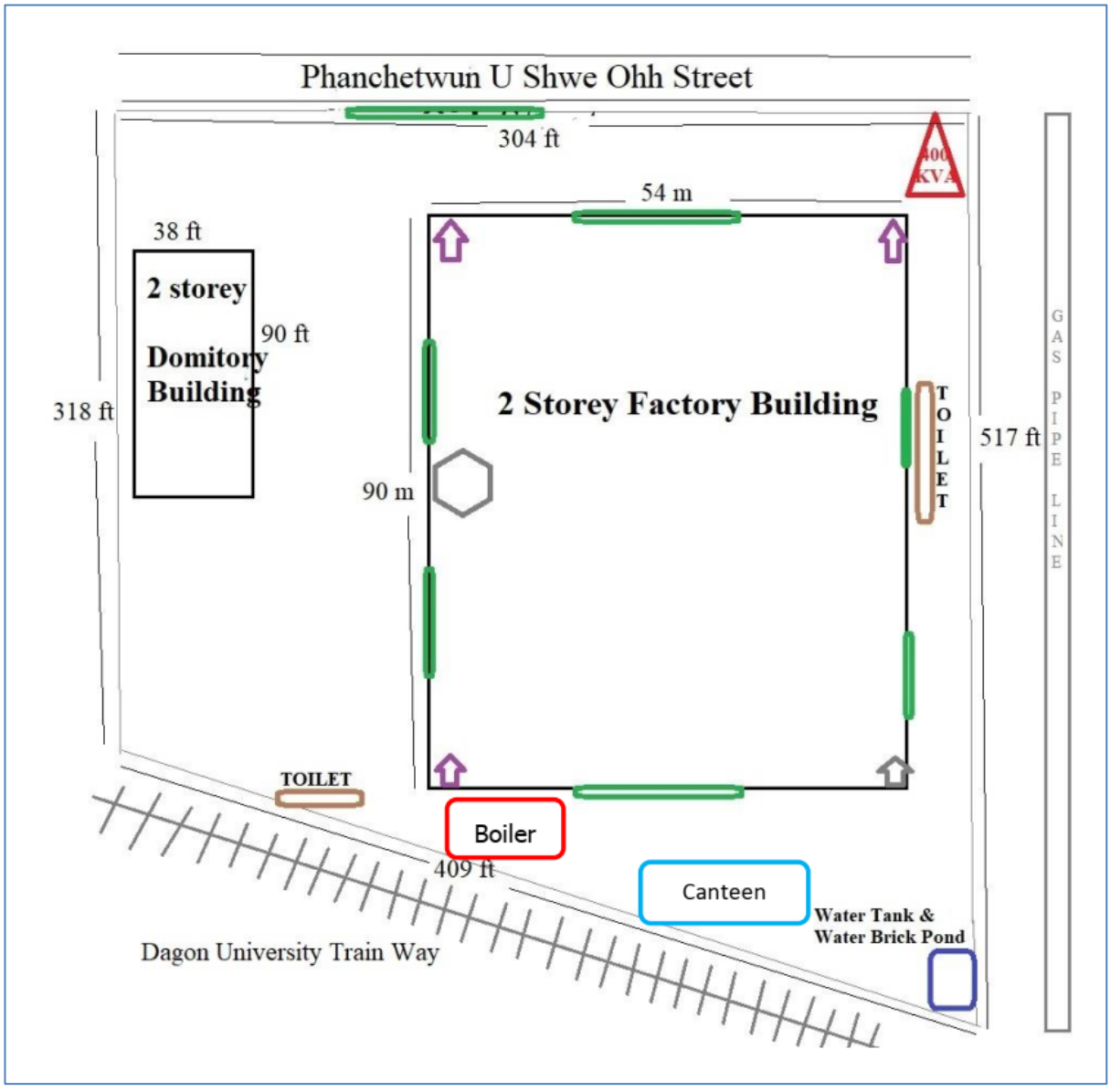


Figure 4-3 Factory Layout Plan

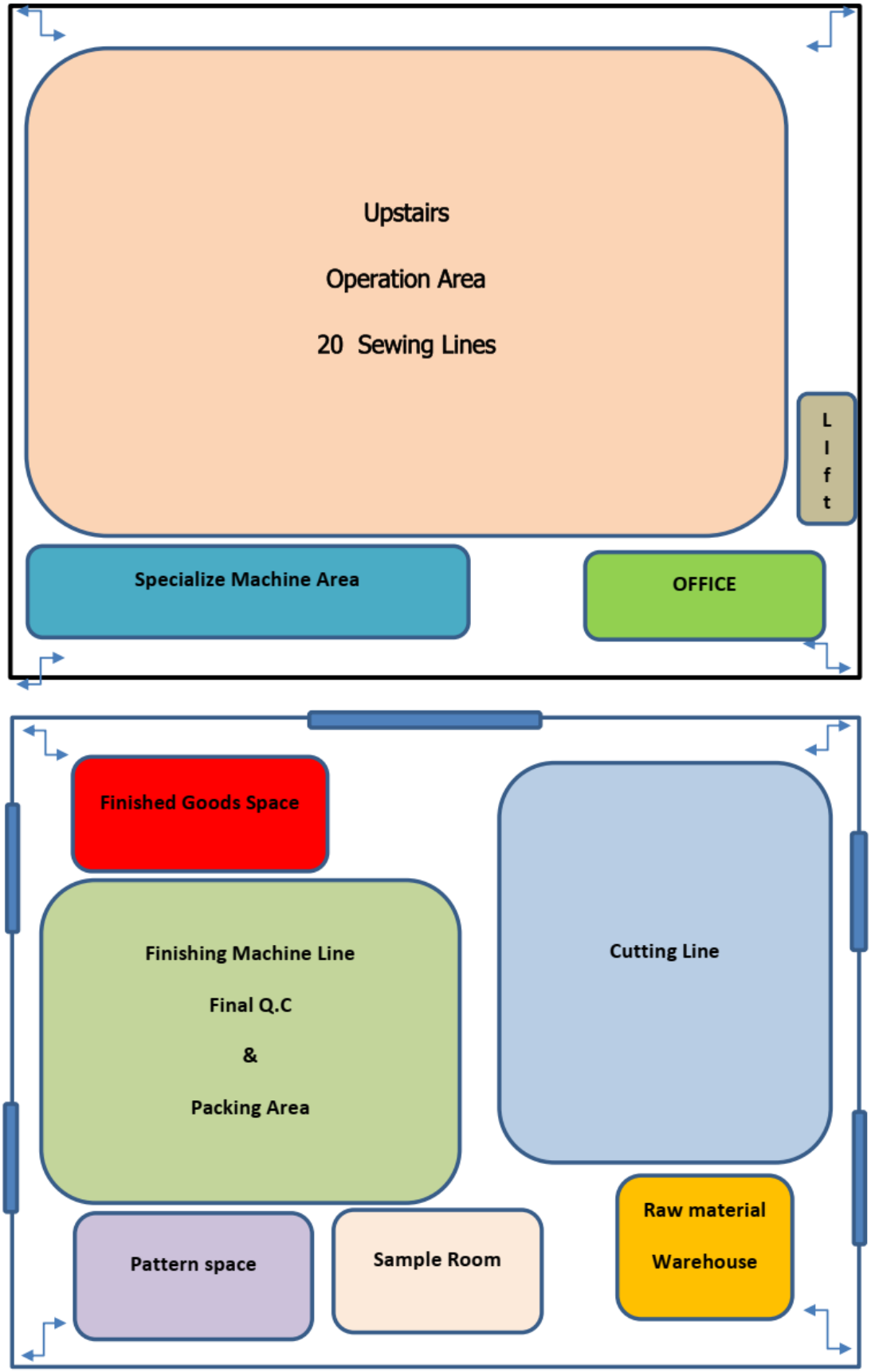


Figure 4-4 Machines Layout (Upstairs & Ground Floor)

4.5 Production Process

The factory uses Cutting, Making and Packing (CMP) system. The CMP system is a form of production on consignment in which the raw materials are imported or bought from oversea countries, then cut, sewn and packed in domestic factories, after which all of the finished products are exported to foreign countries.

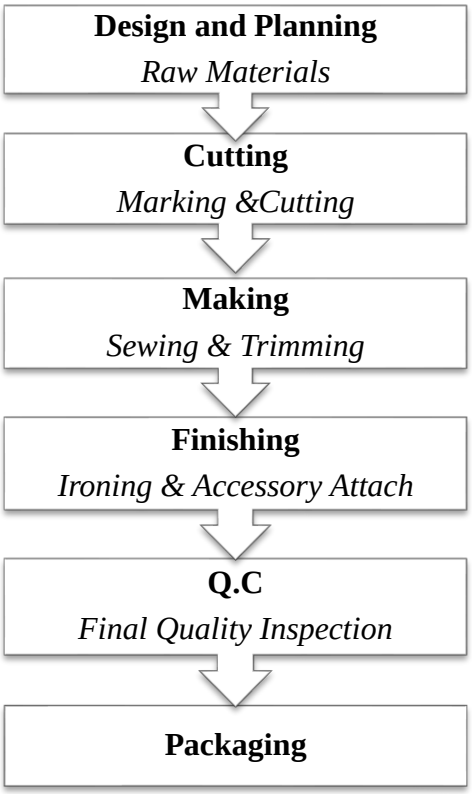


Figure 4-5 Flow Chart of Manufacturing Process in Proposed Factory

(A) Design and Pre-Production Planning

- **Client Specifications**: The factory receives the client's design and technical details, including patterns, fabric specifications, and trims.
- **Material Procurement (by Client)**: The client typically supplies the fabric and trims under CMP arrangements.
- **Production Planning**: Develop a schedule for cutting, sewing, and packing to meet deadlines.

(B) Cutting Stage (C in CMP)

- **Fabric Inspection**: Inspect supplied fabric for defects or inconsistencies.
- **Fabric Cutting**: Cut the fabric into pieces based on patterns provided by the client.
- **Layering and Marking**: Layer fabric and mark patterns for efficient cutting.
- **Bundling**: Group cut pieces by size and style for the sewing stage.

(C) Making Stage (M in CMP)

- **Sewing/Assembly**: Stitch the cut pieces together to create the garment.

    - **Line Balancing**: Optimize production lines to ensure smooth workflow and efficiency.
- **Inline Quality Checks**: Perform quality inspections at each step of the sewing process to identify defects early.
- **Final Sewing and Trimming**: Complete all stitching and remove excess threads or fabric.

(D) Finishing

- **Ironing/Pressing**: Press garments to remove wrinkles and shape them properly.
- **Accessory Attachment**: Add any necessary buttons, zippers, or tags.

(E) Quality Control

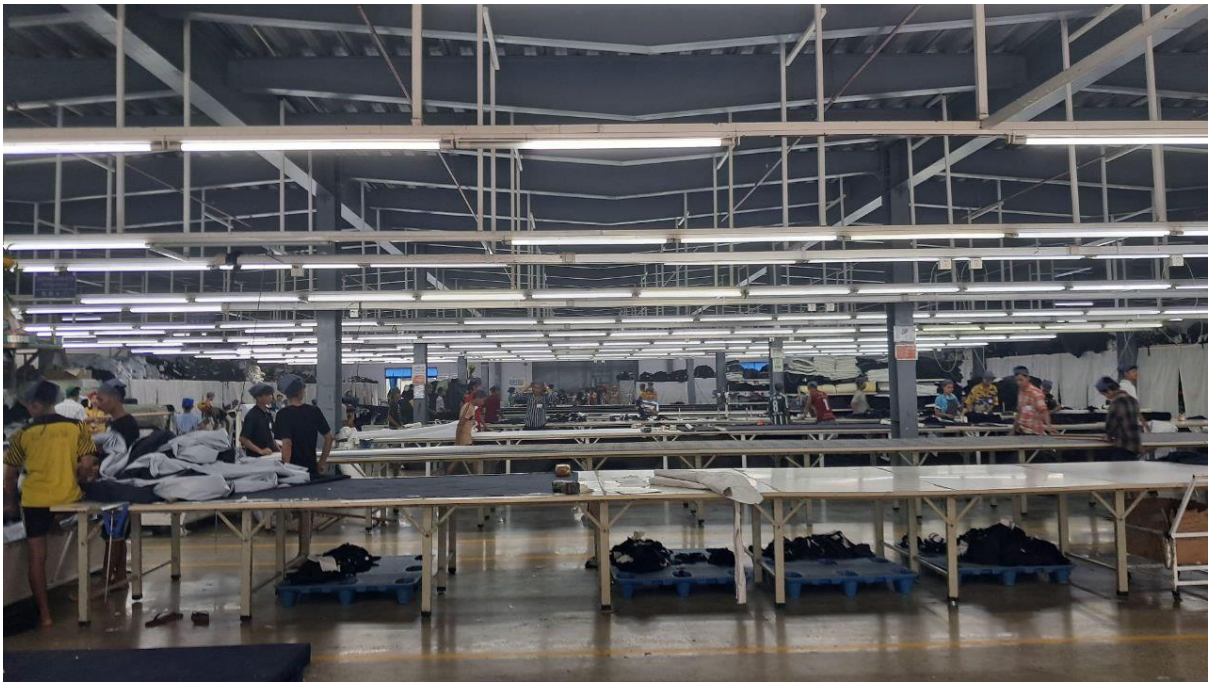
- **Final Quality Inspection**: Check garments for overall quality, measurements, and adherence to client standards.

(F) Packing Stage (P in CMP)

- **Folding and Tagging**: Fold garments neatly and attach required tags or labels.
- **Packaging**: Pack garments according to the client's requirements, often in polybags or cartons.
- **Shipment Preparation**: Ensure proper documentation and prepare for dispatch.

Raw material Preparing

Design & printing

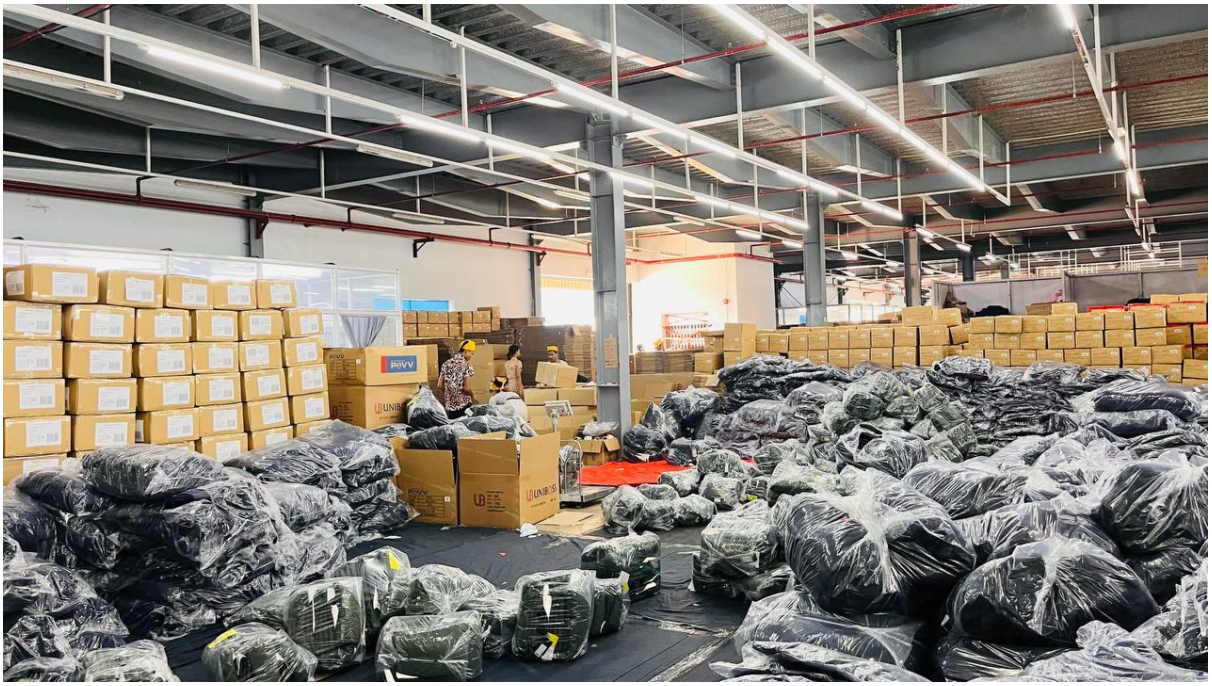


Cutting & Bundling

Sewing

Ironing & Accessory Attachment

Q.C



Packaging

4.6. Storage of Raw Materials, Packing Materials & Finished Goods

The facility to incorporate the provision of a warehouse for the storage of:

- Raw materials
- Packaging components
- Finished products (packaged product/Finished Goods)

All raw material imports from China and Korea.

Finished goods export to Australia, Canada, China, Denmark, Finland, Germany, Chinese Hong Kong, Japan, Korea, Republic of Malaysia, Netherlands, New Zealand, Norway,

Romania, Singapore, Sweden, Thailand, USA, Vietnam.

Figure 4-6 Raw Materials Storage Conditions

Figure 4-7 Finish Goods Storage Conditions

Finish Goods Delivery and Handover

4.7. Production Rate

The capacity of initial production rate is 1,2003,000 Pcs per year. The production rate is depended on CMP contract or customer orders. List of production items and production rate are shown in below table.

Table 4-2 Production Statement (yearly rate)

No	Products Item	Unit	Year 1	Year 2 to 9	Year 10 to 30
1	Men's Coat	Pcs	72000	72000	78000
2	Men's Long Jacket	Pcs	96000	96000	96000
3	Men's Jacket	Pcs	96000	96000	108000
4	Men's Padding Jacket	Pcs	78000	78000	84000
5	Men's Jumper	Pcs	60000	60000	72000
6	Men s Padding Jumper	Pcs	48000	48000	54000
7	Men's Trousers	Pcs	36000	36000	36000
8	Men's Long Jacket	Pcs	48000	48000	48000
9	Men's Vest	Pcs	54000	54000	60000
10	Men's Padding Vest	Pcs	60000	60000	60000
11	Ladies' Coat	Pcs	72000	72000	84000
12	Ladies' Long Jacket	Pcs	96000	96000	108000
13	Ladies' Jacket	Pcs	84000	84000	96000
14	Ladies' Padding Jacket	Pcs	84000	84000	96000
15	Ladies' Blazer	Pcs	96000	96000	108000
16	Ladies' Vest	Pcs	60000	60000	60000
17	Kid's Jacket	Pcs	30000	30000	36000
18	Kid's Trousers	Pcs	30000	30000	36000
	Total	Pcs	**1,200,000**	**1,200,000**	**1,320,000**

1. Men's Coat

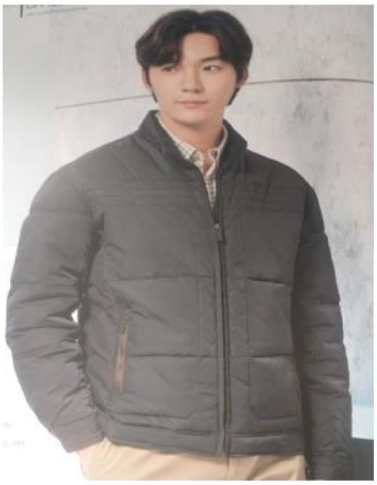
2. Men's Long Jacket

3. Men's Jacket

4. Men's Padding Jacket

5. Men's Jumper

6. Men's Padding Jumper



7. Men's Trousers

8. Men's Long Jacket

9. Men's Vest

10. Men's Padding Vest

11. Ladies' Coat

12. Ladies' Long Jacket

13. Ladies' Jacket

14. Ladies' Padding Jacket

15. Ladies' Blazer

16. Ladies' Vest

17. Kid's Jacket

18. Kid's Trousers

Figure 4-8 Product Samples Photo

4.8. Raw Materials Requirement

Raw Materials are imports from China and Korea. raw materials requirement in project is about 902 Pcs/day or 19,844 Pcs/month or 238128 Pcs/year. The lists of raw materials requirement for the proposed factory are shown in Appendix E.

4.9. Machinery and Equipment

The lists of machineries and accessories used in operation process required for the proposed factory are shown in Appendix D.

4.10. Employment (Workforce)

The factory demands total of 917 workforces for its operation. There are 15 foreign employees and 902 employees (including office staffs) from local at the factory. The female employees are dominant, about 74% out of total employees while the proportion of male is around 26% at the factory. Employee statement of the factory can be seen as follows:

Table 4-3 Factory Workforce

No	Factory Workforce	Male	Female	Total
1.	Employees	239	678	917

Table 4-4 Employee Statement

Sr No	Designation	No. of Employee	
		Local	Foreign
1	General manager		1
2	Factory Manager	1	
3	HR Manager	1	
4	Admin Manager	1	
5	Finance Manager	1	
6	Production Manager		2
7	All Supervisor	2	
8	Supervisor	20	
9	Assistance Supervisor	20	
10	Engineer & Mechanic		2
11	Technicians		10
12	Electrical Engineering	2	
13	Mechanic	5	
14	Boiler Operator	2	
15	Quality Control	20	
16	Admin staff	8	
17	Account staff	2	
18	Driver	2	

	Security	6	
	Cleaner	8	
	Skilled worker	600	
	Unskilled worker	200	
	Sub total	**902**	**15**
	Total	**917**	

Working days

The factory working time is one shift per day. The details of working days and working hours are described in Table below;

Particular	Description
Working day (Monday – Friday) Working day (Saturday)	7:30 am - 4:30 pm (lunch break; 11:30~12:30) 8:00 am to 12:00 noon
Daily working hour	8 hours (4 hours on Saturday)
Weekly working hours	44 working hours
Weekly working days	5.5 days
Working days per year	Approx; 264 days

Sunday and all other government holidays are official holidays for Yangon Oscar Fashion Co., Ltd.

4.11. Project Utilities

(1) Water Supply

Domestic water was used for one tube well; it is ~300 feet depth; installed 2-inch diameter (Ø) pipe and stores in the overhead tanks which capacity is about 5000 gallons. The overhead tank is applied for domestic and factory usage. For emergency fire-fighting, there is a concrete brick underground tank which holding capacity is about 20,000 gallons. Daily water consumption is approximately 3000 gallons and the annual water consumption is about 792,000 gallon per year. Dtinking water consumption is about 1000 liters per day.

Storage Capacity

Item	Number	Storage Capacity
underground tank	1	20,000 Gal
overhead tank	1	5000 Gal

Figure 4-9 Overhead Tank and Underground Tank

(2) Energy Required

The proposed project is intended to get required electricity supply from township main grid line and connects to own transformers (400 kVA), which is situated within the factory compound. The estimated electricity meter unit is about 785,000 kWh per year. The factory has two backup generators with a capacity of 500 kVA and 45 kVA. However, during a power outage, only one (1) generator is driven according to the amount of electricity required for the factory. Diesel oil is reserved at the factory to feed the back-up generator. The average operating hour is 4 -5 hour a day with the average fuel consumption is around 8 gallons per hour. Therefore, the estimated consumption of fuel is about 10,000 gallons per year. Fuel will be stored in Oil tank.

Figure 4-10 Power Transformer and Control Board

500 KVA 45 KVA

Figure 4-11 Power Generators

Figure 4-12 Fuel Storage Room

(3) Wood Fired Boiler

The type of boiler is model of DZH type moving grate stoker boiler and the Structure of water tube fire tube three passes, horizontal type boiler.

Table 4-5 Specification of Wood Fired Steam Boiler

Description	Process
Boiler Type	Wood Fired Steam Boiler
Model	DZH2-1.25-T (220010)
Output	Steam
Fuel consumption (wood)	150 kg/hr
Rated Pressure	1.0 (Mpa)
Rated Steam temperature	184 (℃)
Thermal efficiency	83 %
Weight	12 T
Overall dimensions (L*W*D(mm))	4108×2200×2915
Water consumption	0.16 m^3/hr
Wastewater discharge	0.04 m^3/hr
Bottom ash released	10 kg/hr

The DZH type steam boiler is,

- Structure compact, small space required, low construction cost, easy installation at site.
- Multi-spots for air incoming, reasonably air flow matching, précised adjustment insure fully burning, results in high thermal efficiency, and good fuel compatibility.
- Equipped with dust remover, eliminating smoke and dusts, environment friendly.
- With the overpressure alarm, high/low water level alarm, abnormal voltage cut out, double safety valves and double water level indicator, explosion proof door ensure high safety for users.

This boiler is combustible by wood. Daily fuel consumption (wood) is approximately 1200 kg/day. The boiler chimney or stack is passed through under the economizer. It is a device fitted to a boiler which saves energy by using the exhaust gases from the boiler to preheat the cold water used to fill it (the feed water). The economizer is finned tube design and insulation, which has high thermal efficiency and good condensation effect. The boiler chimney is about 8 meter in height and 0.15 meter in diameter. The blow-down water from the boiler is treated in a flash tank heat exchanger (Blow-down tank). The Blow-down tank provides a safe method of collecting the blow-down water while allowing the flash steam generated to be safely vented to atmosphere. The water which remains in the blow-down tank is held in the tank until it cools to acceptable levels before it is discharged to drain. The wastewater discharges from boiler (0.04 m^3/hr) are low quantity and it has no significant environmental negative impacts. [Boiler Temporary Use Certificate is shown in Appendix C]

Figure 4-13 Wood Fired Steam Boiler

Figure 4-14 Boiler Dust (Fly Ash) Control System

Figure 4-15 Boiler Fuel (Wood) Storage Room

(4) Ventilation System

Ventilation System such as air conditioners, fans, windows, exhaust fans and main doors is provided in workplaces and factory building.

Exhaust Fan (Wall Mounted) 4′ x 4′	8 pcs
Fan (Wall Type)	14 pcs
Air conditioners (HFCs, R-410A Refrigerant)1.5 HP	5 pcs
Air conditioners (HFCs, R-410A Refrigerant)1 HP	8 pcs

Air Conditioners and Exhaust Fan

(5) Drainage Channels

There are drainage channels installed around the factory compound. All channels are 1 ft wide and 2 ft depth. It's a network of structures, channels that carry stormwater (rain water) to the municipal drainage channel which is beside the factory compound. The drainages around the compound area of the factory are maintained and cleaned regularly.

Drainage Channels

(6) Infrastructure Facilities for Workers

Drinking water is purchased from local purified drinking water supplier. Canteen, a specific dining area is arranged behind the main factory. The lunch box shelf, tables and chairs are also provided at the area. Waste bins and hand washing basins are provided at the factory. Moreover, 10 numbers of toilets for female and male are also arranged.

Drinking Water

Canteen

(7) Safety and Health Facilities

The factory has provided personal protected equipment (PPE) for worker safety and arranges a clinic for the minor injuries with well stocked of necessary medicines and first aid boxes. Other serious injuries cases are arranged to transfer to Township Hospital. The risk of fire is to be reduced as sufficient numbers of fire extinguishers are to be installed: in which fire extinguishers, fire alarm, fire hose box emergency bells smoke detector, one unit of fire hydrant and one firefighting water tanks. The emergency exit doors, evacuation plan,

emergency light, exit lights, signs and posters for directions for evacuation routes and emergency contact numbers are well placed in case of fire.

Factory clinic

Fire Hydrant System and Firefighting equipment

Emergency exit doors and fire alarm

Posters and notice signboard

4.12. Amount and Types of Waste

(1) Solid Waste

Garment wastes will be generated from mainly cutting section which generation is about 450 kilograms per week in the operation phase of factory. From the production process, main solid waste generation will be due to cutting, sewing and packaging activities. Fabric scraps, cotton from cutting and sewing, and packing material from activities of receiving raw materials and packaging finished goods will be collected and stored for further use. All the cut wastes are collected and store until it is sold out the stalkers who are the recycles to produce another different product from local supplier.

Domestic wastes are generated from the workers including from office and canteen. According to the IGES (2016)[1], the estimated amount of waste generation from each person is 0.4 kg/person/day. On the factory operation period, there are 917 workers in the factory; the estimated waste generation is around 367 kg/day. To avoid overload and unsanitary bulk storage of wastes i.e., the factory is recommended to practice waste segregation into dry and wet waste with different color garbage bins. Temporary wastes are collected in the municipal waste bins and waste dump in the factory compound (at the coordinate (16°53'26.11"N 96°13'59.49"E). Domestic wastes are collected by Municipal (Township CDC) once per week.

Non-hazardous waste generation

Non-hazardous wastes are generated in the following,

[1] IGES (June, 2016), Quick Study on Waste Management in Myanmar

Table 4-6 Solid Waste Generation in Factory

Type	Source	Qty (kg per month)
Processes wastes (fabric scraps, carton, plastic sheet)	Cutting line, Sewing line, store, packaging	1800
Domestic wastes (paper, plastic, food waste etc.)	Office, Canteen	8074

Hazardous Waste

Hazardous waste takes many forms. Even a garment factory handling only sewing, cutting and packaging would still have small amounts of hazardous waste, such as fluorescent tube lights, broken needles, batteries, machine oil containers, etc. There are generated approximately about 2 kg/month of hazardous wastes; such wastes are separately stored in the designated bags and disposed by cooperation with Township CDC. The sanitary sewer system is connected to the septic tank system.

(2) Liquid Waste

The main water usages are workers (domestic) usages in operation phase of factory. There is no water usage in factory production process. Based on the U.S EPA, the average daily wastewater discharge for a factory worker is 12~25 liter/day/person. Therefore, the estimated wastewater discharge from fully operation of the 1872 workers will be around 13,755 liter/day (3000 gallons). Domestic wastewaters from canteen, washing basins are discharge to the public drain. The domestic sewage from toilet has septic tank and no discharge to the public drain. It is always contacted to Township CDC's Cleansing Department to empty when the septic tank is full.

(3) The Gaseous Emission

In proposed factory, there will be emission of gases from the operation of diesel generator. Burning diesel or other fuels creates exhaust gasses. Diesel generators produce carbon dioxide (CO_2), nitrogen oxide (NOx), and particulate matter. The proposed factory will use 1000 gallons per year of diesel for vehicles such as transportation vehicle and emergency use of a generator. The EPA/Department of Transportation (Federal Register 2010) common conversion factor to convert gallons of diesel fuel to metric tons of CO_2 emissions is: (10.180 x 10^{-3} Metric Tons of CO_2 / Gallon of Diesel Fuel)

Annual CO_2 Emissions = 10,000 Gallons/Year * 10.180 x 10^{-3} Metric Tons of CO_2/Gallon

Annual CO_2 Emissions from factory operation = 101.8 Metric Tons of CO_2/Year

Table 4-7 Summery of Waste Management in Proposed Factory

Types of Waste (Liquid/ Solid)	
Solid waste	
Dumping methods (Temporary Garbage Bins)	Disposed by Municipal (weekly)
Domestic Waste	8074 kg/month
Operation Waste (cut wastes, Fabric scraps etc.) Hazardous waste	1800 kg/month 2 kg/month

Liquid Waste	
Septic Tank Capacity of Tank (length, width, depth)	2 pc :2m x1.5m x1.5m
Amount of Domestic Wastewater Discharges	3000 gallons or 13.6 m^3/day

Figure 4-16 Location of Temporary Garbage Dump and Final Discharge (Effluent)

Figure 4-17 Wastes Bins & Garment Wastes Storage Room

4.13. Expected Activities in Decommissioning Phase

Although, the proposed project is expected to have an operational life, decommissioning of the project would occur at the end of its lifespan. The goal of project decommissioning will be to remove the concrete and steel structures and machine equipment for proposed project as a whole and return the site to a condition as close to a pre-construction state as feasible. The physical removal of the structures and equipment will be the reversal of the construction process. All areas disturbed by the proposed project would be restored to pre-project conditions and/or to conditions acceptable to the Township Development Committee. During decommissioning phase, all concrete and steel structures and equipment would be dismantled and removed. The major activities that will be required for the decommissioning of proposed project are:

(a) Machine equipment and electrical system removal
(b) Building and Steel structures removal, and
(c) Concrete foundation removal

When the factory closes, the project proponent will follow the directions of the Township Development Committee.

5. DESCRIPTION OF SURROUNDING ENVIRONMENT

This section describes the project sites baseline environmental and social conditions according to available sources of baseline information and qualitative assessments of the project site. The purpose of reviewing the baseline conditions is to present an understanding of the potential environmental and social sensitivities of the study area.

5.1. Setting the Study Limits

The Project Area is defined as the location of proposed project site. It is located in East Dagon Industrial Zone, East Dagon Township, Yangon Region. The project study area refers to the area that needs to be studied in order to adequately understand and describe the baseline conditions likely to be affected by the project. At a minimum, the project study area will encompass the project footprint and the Area of Influence (AOI), around the 500-meter radius of the project site is the geographical study limit.

5.2. Methodology for Data Collection and Analysis

Primary Data (Baseline Field Surveys)

The primary data was collected in the project site during environmental baseline measurement of air, noise and sampling of water quality. The samples are sent to relevant laboratories for testing.

Secondary Data

Secondary data sources for information on environmental, social and health baseline conditions physical/biological environment and weather data in this report include the following:

- Collection of available data from existing sources including:
  - Township Profile Data published by General Administration Department (East Dagon);
  - Published sources;
  - Research and academic organizations
- Review and analysis of aerial photographs and GIS satellite imagery;

5.3. Physical Characteristics

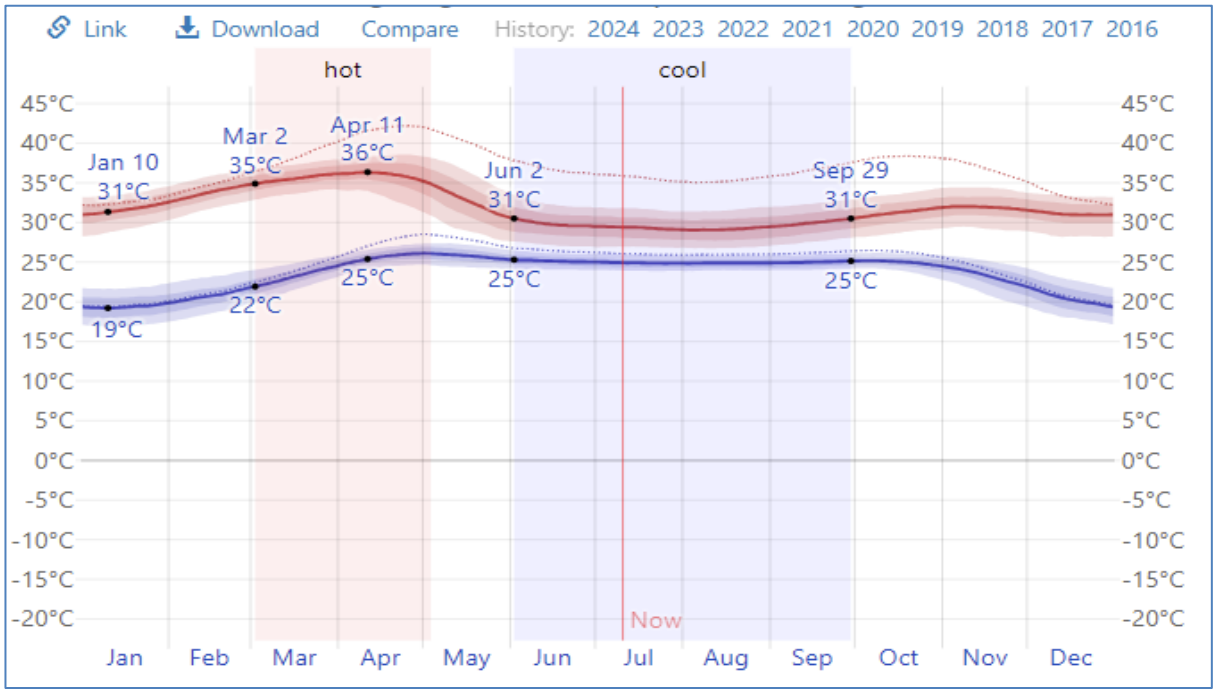
The existing physical parameters of climatic, hydrological, geological, air quality and acoustic conditions of the proposed project are as follows:

5.3.1. Meteorology and Climatology

Climate and Meteorology of East Dagon (Yangon Region) has a tropical monsoon climate under the Koppen climate classification system. In East Dagon, 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 19°C to 36°C and is rarely below 17°C or above 39°C.

Average Temperature, The hot season lasts for 2.0 months, from March 3 to May 4, with an average daily high temperature above 35°C. The hottest month of the year in East Dagon is April, with an average high of 36°C and low of 26°C. The cool season lasts for four months, from June

3 to September 30, with an average daily high temperature below 31°C. The coldest month of the year in East Dagon is January, with an average low of 19°C and high of 32°C.



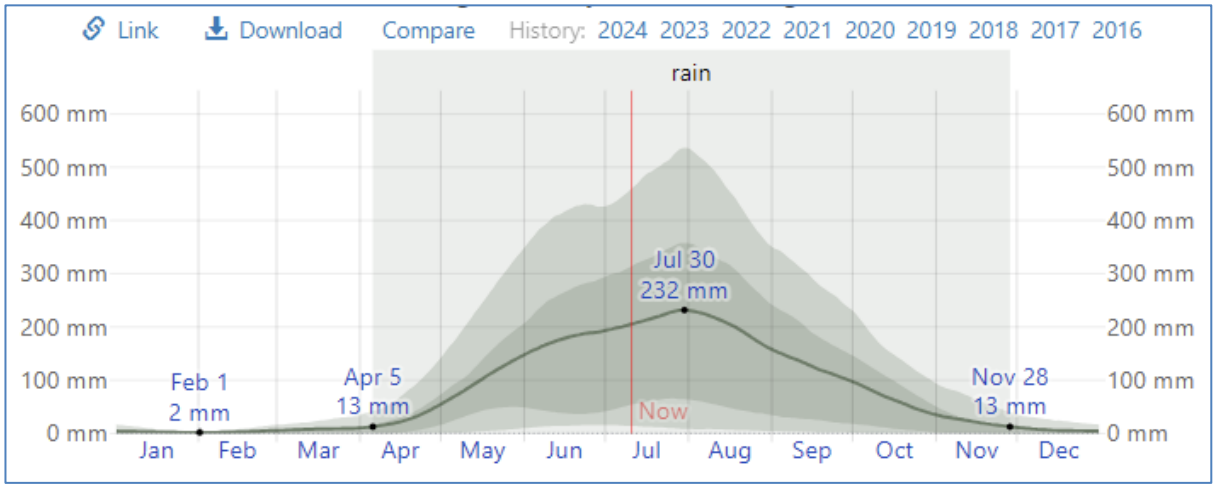
Source: weatherspark.com

Figure 5-1 Average High and Low Temperature in East Dagon Township

Rainfall, To show variation within the months and not just the monthly totals, figure show the rainfall accumulated over a sliding 31-day period centered around each day of the year. East Dagon Township experiences extreme seasonal variation in monthly rainfall.

The rainy period of the year lasts for seven months, from April 6 to November 29, with a sliding 31-day rainfall of at least 13 millimeters. The month with the most rain in East Dagon Township is July, with an average rainfall of 212 millimeters.

The rainless period of the year lasts for four months, from November 29 to April 6. The month with the least rain in Township is February, with an average rainfall of 2 millimeters.



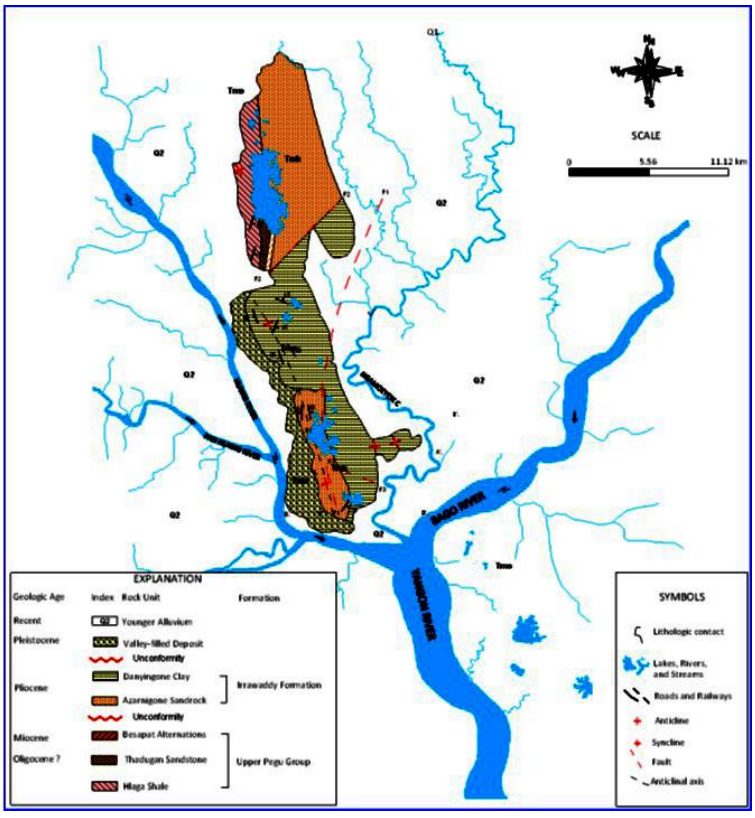
Source: weatherspark.com

Figure 5-2 Average Monthly Rainfall in East Dagon Township

5.3.2. Regional Geology

Yangon area is underlain by alluvial deposits, the non-marine fluviatile sediments of Irrawaddy Formation, and hard, massive sandstone of Pegu Series. The alluvial deposits are composed of gravel, clay, silts, sand and laterite, which lies upon the eroded surface of Irrawaddy Formation at 4.6 m above mean sea level. The central part of Yangon area is occupied by the anticlinal ridge as a backbone, 30 m above mean sea level and covered with sands, sand rock, soft sandstones, shale, clays, and lateritic of Irrawaddy Formation. The hard compact sandstone and shale of Pegu series can be found at the northwest corner of Hlawga Lake with NNW–SSE strike dipping to the east. Alluvial deposits are found in the surrounding areas of the ridge whereas lateritic soils can be found along the ridge (Figure 5.1). In the geological map, two anticlines can be seen trending NNW-SSE direction and are cut by NNE-SSW trending transverse fault (Aung, 2011). From the geological point of view, it can be concerned for the initial review of faster displacement possibility in some area such as in the eastern part of the city where the top soil is clays.

Tectonically, Yangon is situated in the southern part of the Central Lowland, which is one of the three major tectonic provinces of Myanmar. The Taungnio Range of the Gyophyu catchments area of Taikkyi District, north of Yangon, through the Thanlyin Ridge, south of Yangon forming a series of isolated hills probably resulted from the progressive deformation of the Upper Miocene rocks as the eastern continuation of the subduction or stretching and compression along the southern part of the Central Basin and regional uplifting of the Pegu Yoma (Aung Lwin 2012).



Source: Regional Geology, Win Naing (1972)

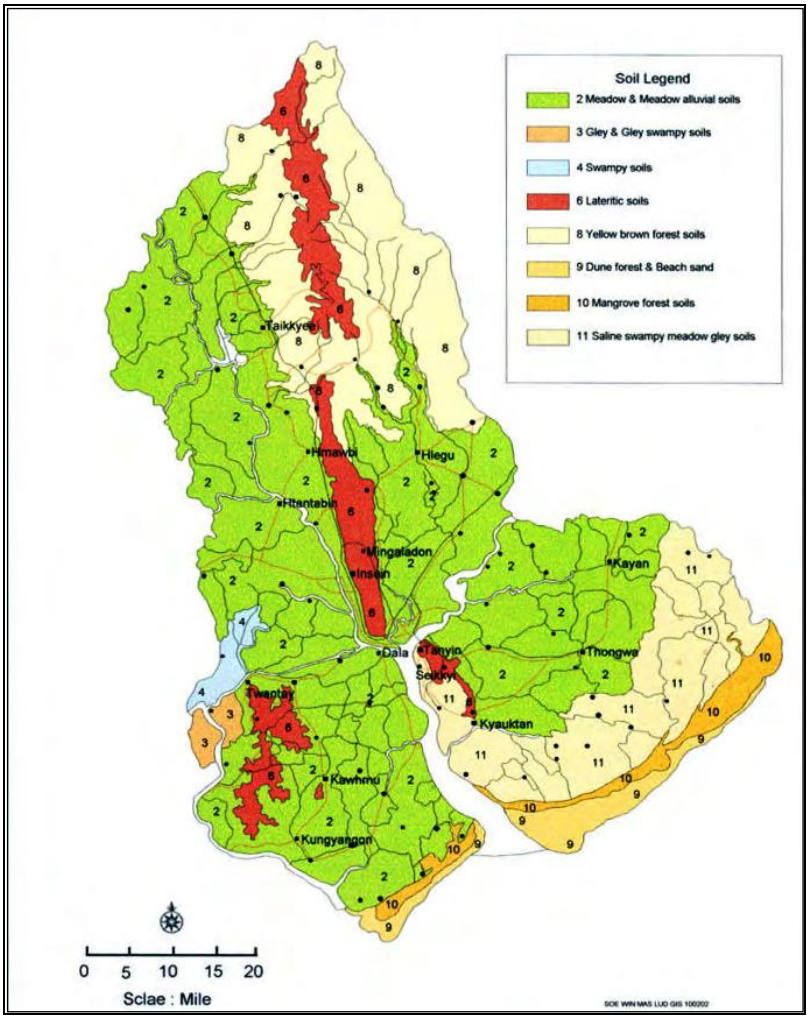
Figure 5-3 Geological Map of Yangon Area

5.3.3. Soil

The different varieties of the individual soil characteristics are Meadow and Meadow Alluvial Soil, Gley and Gley swampy soils, Swampy soils, Lateritic soils, Yellow brown forest soils, Dune forest & Beach sand, Mangrove forest soils and Salineswampy meadow gley soils. The meadow soils which occur near the river plains with occasional tidal floods are noncarbonated.

They usually contain large amount of salts. Meadow Alluvial soils (fluvic Gleysols) can be found in the flood plains. They have the texture of silty clay loam and they have the neutral soil reaction and are rich in available plant nutrients. Meadow Gley soils (Gleysol) and Meadow swampy (Histic Gleysol) occur in the regions of lower depressions where the lands are inundated for more than 6 months in a year. The texture of these soils is clayey to clay and usually having very strong acid reaction, and contain large amount of iron.

The underlying soil type at the Project Site and its surroundings is characterized as Meadow and Meadow Alluvial Soil. Meadow Soil is soil which occurs near the river plains with occasional tidal floods, non-carbonate and usually contains large amounts of salt. Meadow Alluvial Soils are being found in the flood plain. Both materials mainly comprise silty clay loam and neutral soil where they are rich in available plant nutrient.

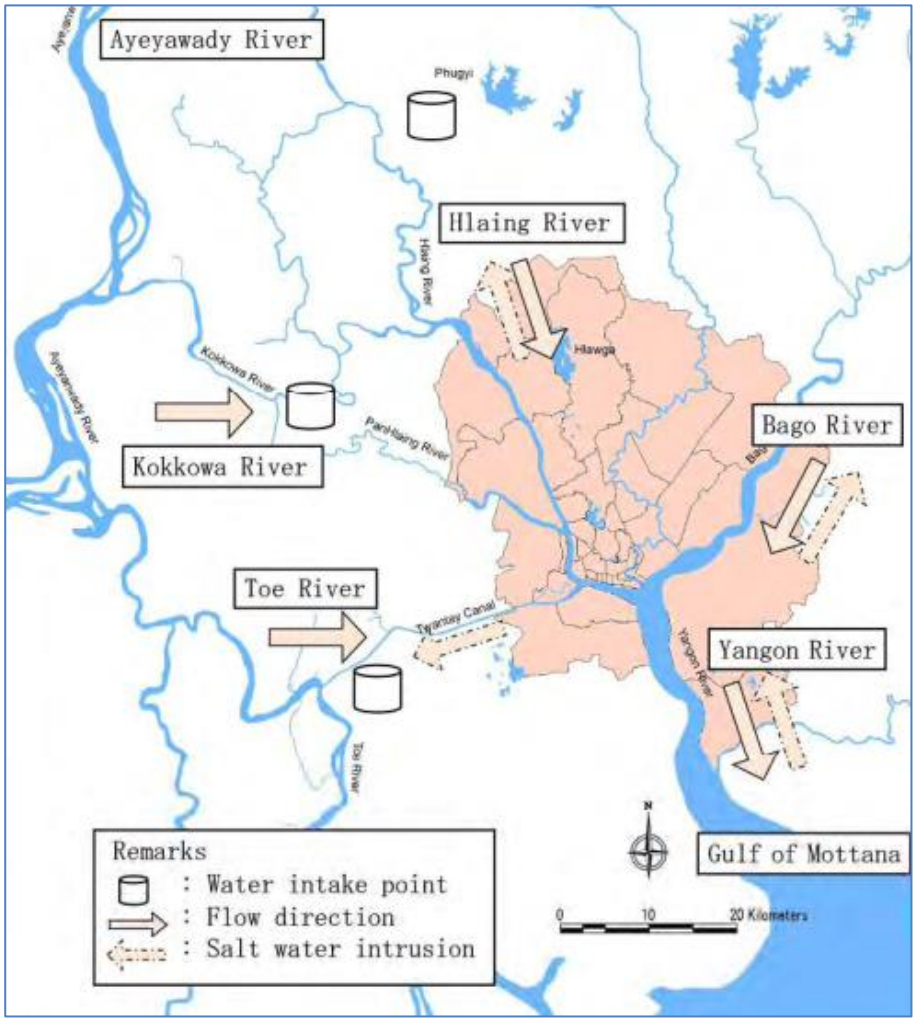


Source: Land Use Division, Myanmar Agriculture Service

Figure 5-4 Soil Map of Yangon Region

5.3.4 Hydrology

Yangon City lies at the confluence of the Bago River and the Hlaing River. The two rivers downstream of the confluence is called as the Yangon River, which is connected to the Gulf of Mottama. The Pan Hlaing River and Twantay Canal, which converge and flow downstream the Yangon River, as well as the Kokkowa River which connects with the Hlaing River, all obtain its water from the Ayeyarwady River. Kokkowa, Pan Hlaing and Toe Rivers are candidate water sources for the expansion of Yangon City's water demand expected to increase in the future. The following Figure shows a map which contains the rivers surrounding Yangon City.



Source: 2014 JICA Water MP

Figure 5-5 The Rivers Surrounding Yangon Region

5.3.5 Topography

East Dagon Township is situated at between north-latitude 16º 46' and 16º 55' and between east-longitude 96º 10' and 96º 12'. The area of East Dagon Township is 46.18 square miles. The length of East Dagon Township is 3.7 miles from east to west and 9.5 miles from south to north. The topography of East Dagon Township is gradually lower from Northern to Southern parts and area is flat with elevations from 10 m (30 ft) above mean sea level.

5.3.6 Natural Hazards

Myanmar is exposed to multiple natural hazards including cyclones, earthquakes, floods and fire. It has been periodically exposed by natural disasters. The Yangon District is in the vicinity of the southern section of the Sagaing Fault which has not been active in the past 50 to 75 years indicating that the faults may be under accumulating stress increasing the potential for an earthquake to occur. The Sagaing Fault is the most prominent active fault in Myanmar trending roughly north to south.

It has been the originator of a large proportion of destructive earthquakes in Myanmar. The Project Site is also located in an earthquake zone and therefore the building construction design needs to cater for this hazard with adequate planning on emergency response procedures.

Myanmar is exposed to cyclones and associated storm surges from the Bay of Bengal. Annually, there are approximately 10 tropical storms in the Bay of Bengal from April to December. Severe cyclones occur during the premonsoon period of April to May and post-monsoon period of October to December.

The threat of flooding usually occurs in three waves each year: June, August and late September to October.

5.4. Baseline Environmental Quality

The location of the environmental survey for air quality, water quality, and noise levels are shown in the following Figure and Table.

Figure 5-6 Location of Environmental Survey Points on Project Site

Table 5-1 Location of Environmental Survey Points

No.	Sample	Location	Coordinate points	Date
1	AN-1	Infront of the factory	16°53'29.26"N 96°13'59.54"E	11-6-2024 to 12-6-2024

2	N-2	Inside factory	16°53'28.60"N 96°14'1.06"E	11-6-2024
3	SW-1	Tube well water	16°53'28.19"N 96°13'59.57"E	12-6-2024
4	SW-2	Wastewater outlet	16°53'29.29"N 96°14'2.28"E	12-6-2024

5.4.1. Existing Air Quality

The air quality monitoring was carried out in front of the factory (AN).

(A) Ambient Air Quality

Survey Item

The parameters for air quality survey were CO, NO_2, O_3, PM_{10}, $PM_{2.5}$, SO_2, Temperature, Relative Humidity, Wind Speed and Wind Direction. Continuous monitoring of NO_2, SO_2, $PM_{2.5}$ and PM_{10} was undertaken over a 24-hour period at locations to provide an indication of ambient air quality.

Survey Method

Sampling and analysis of outdoor air quality were conducted by HAZ-Scanner EPAS Air Quality Monitoring System. This air quality monitoring system used to detect the pollutant gases (SO_2, CO, NO_2, O_3, etc.) Particulate matter $PM_{2.5}$ and PM_{10}, TSP, Noise, Meteorological parameters (Temperature, Humidity, Wind speed, Wind direction, Barometric pressure, rainfall, solar radiation). Combined with industrial imported sensor technology and unique heating dehumidification compensation device to make sure data accuracy.

Table 5-2 Recorded Parameter for Ambient Air Quality

No.	***Parameters***	***Analysis Methods***
1.	Carbon monoxide (CO)	Electrochemical sensor, Infrared sensor, PID sensor
2.	Sulfur dioxide (SO_2)	
3.	Nitrogen dioxide (NO_2)	
4.	Ozone (O_3)	
5.	Particulate Matter 2.5 ($PM_{2.5}$)	Light scattering technique
6.	Particulate Matter 10 (PM_{10})	

Table 5-3 The location of Air Sample Point (AS1)

Date	Point	Coordinates		Location
		Latitude (N)	Longitude (E)	
11-6-2024 to 12-6-2024	AN-1	16°53'29.26"N	96°13'59.54"E	Infront of the factory

Figure 5-7 Record Photo for Air Monitoring at AN

The findings of the air quality sampling monitored data and the applicable national standards used for comparison for the project are shown in the following Table.

Ambient Air Monitoring Results

Table 5-4 Ambient Air Monitoring Results

No	Parameters	Results	Period	Guideline value (NEQEG)	Averaging Period
1	Nitrogen dioxide, NO_2	50 ($\mu g/m^3$)	1-hour*	40 ($\mu g/m^3$) 200 ($\mu g/m^3$)	1-year 1-hour
2	Ozone (O_3)	45 ($\mu g/m^3$)	8-hour	100 ($\mu g/m^3$)	8-hr daily max
3	Particulate matter, PM_{10}	26 ($\mu g/m^3$)	24-hour	20 ($\mu g/m^3$) 50 ($\mu g/m^3$)	1-year 24-hour
4	Particulate matter, $PM_{2.5}$	15 ($\mu g/m^3$)	24-hour	10 ($\mu g/m^3$) 25 ($\mu g/m^3$)	1-year 24-hour
5	Sulfur dioxide SO_2	7.8 ($\mu g/m^3$)	24-hour 10 minutes	20 ($\mu g/m^3$) 500 ($\mu g/m^3$)	24-hour 10 minutes
6	Carbon monoxide CO	0.265 ppm	24-hour	9 ppm (NAAQS)	8-hour
7	Relative Humidity	65 %	24-hour		
8	Temperature	27 °C	24-hour		
9	Wind Direction	197 Deg	24-hour		
10	Wind speed	2.8 mph	24-hour		

* One hour in Max. value

The ambient air conditions measured at AN-1 in the front of the factory building. According to the measured concentration of the gases, all results indicated that they are well within the permissible limits of the national and international guidelines. The (24hr) mean concentrations of measured PM10 and PM2.5 values are within the range of NEQEG

guideline values. Generally, the PM concentrations in the air are related to the microclimate conditions such as humidity, rainfall, temperatures of the proposed site.

(B) Stack Emission

The stack emission monitoring was done at generator in factory. The gaseous emissions were measured by OC-1000 Dust & Gas Particle Detector. The result compares with Occupational Safety and Health Administration (OSHA) Stack Emission Standard.

Project Location:	Yangon Oscar Fashion garment factory, East Dagon Township
Sampling Date/ Time:	15th June 2024/ 8:00 AM ~ 5:00 PM (Working Hours)
Sampling By:	Environmental Assessment Services Co., Ltd (EAS)

Table 5-5 Location of Stack emission

Instrument	Parameter	Sampling Rate	Location
OC-1000 Dust & Gas Particle Detector	**Gas Data:** Carbon Dioxide (CO_2), Carbon Monoxide (CO), Nitrogen Dioxide (NO_2), Sulfur Dioxide (SO_2)	0-999.9 ($\mu g/m^3$)	Boiler Chimney
			Generator

Occupational Safety and Health Administration (OSHA) Stack Emission Standard

Item	OSHA Guideline	Unit	Averaging Period
CO_2	5000	ppm	8 Hour
SO_2	5	ppm	8 Hour
NO_2	5	ppm	8 Hour
CO	50	ppm	8 Hour

Source: Occupational Safety and Health Administration

Table 5-6 Stack Emission Monitoring Result

Parameters	Observed Value		Unit	Guideline Value (OSHA)	Period
	Boiler	Generator			
SO_2	**0.056**	**0.19**	ppm	5	8 hours
NO_2	**0.060**	**0.12**	ppm	5	8 hours
CO	**4.800**	**19.37**	ppm	50	8 hours
CO_2	**399.310**	**976.28**	ppm	5000	8 hours

OSHA – Occupational Safety and Health Administration

According to the air quality results shown in the above tables, comparing with the 8-hr Stack Emission Standard from OSHA, the observed concentration of gaseous from the boiler and generator was below the limit.

Figure 5-8 Recorded Photo of Stack Emission Measurement

5.4.2 Noise Level

The principal sources of noise in the immediate vicinity of the study area are likely to be from vehicle transportation and industries zone activities in the vicinity. Noise sensitive receivers (NSRs) within the project site boundary may be affected by operational noise impacts of the project.

Noise level monitoring was also done at factory compound (outdoor noise, AN-1) and workplace area (indoor noise, N-2). The noise levels for the project site were measured by "BENETECH" GM1356 Sound Level Meter The detail of the location of air quality survey points are presented in figures and table below.

Table 5-7 Noise Station Locations

Survey Point	Averaging Period	Location
AN-1	24 hrs (11-6-2024 to 12-6-2024)	Infront of the factory (16°53'29.26"N 96°13'59.54"E)
N-2	(only working time; 8;00am- 5pm) 12-6-2024	Inside the factory (16°53'28.60"N 96°14'1.06"E)

Figure 5-9 Recorded photo of Noise Monitoring (AN-1)

Figure 5-10 Recorded Photo of Noise Monitoring (N-2)

Noise Level Result

The findings of the noise levels monitored data and the applicable national standards used for comparison for the project are shown in the following

Table 5-8 Noise level Results

Receptors		**Existing noise levels monitored by integrated noise level meter (dBA)**	
		Daytime	**Nighttime**
AN-1	In front of the factory	63.6	58.2
N-2	Inside the factory (Working area)	67.1	-

NEQG Target Value*	Residential, institutional, educational	55	45
	Industrial, commercial	70	70

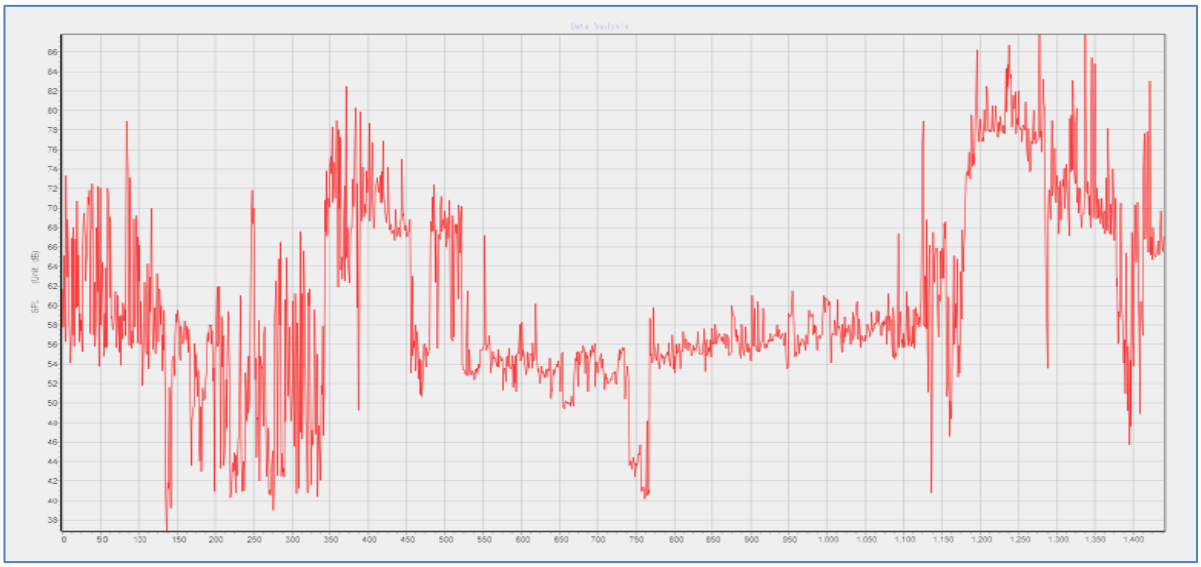


Figure 5-11 Noise Data Graph (AN-1)

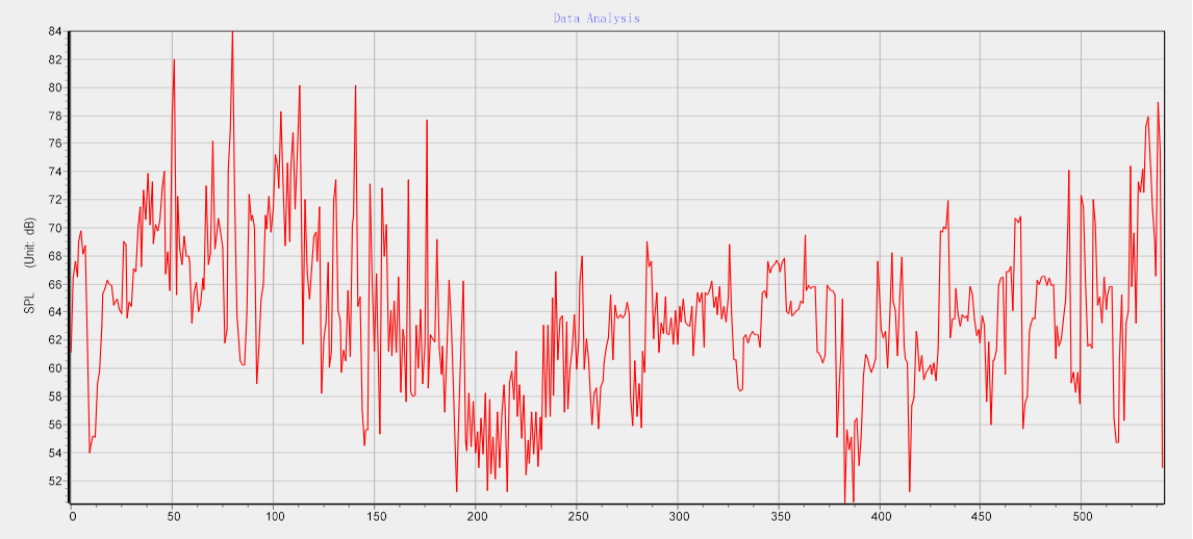


Figure 5-12 Noise Data Graph (N-2)

The observed values are compared with the National Environmental Quality (Emission) Guidelines which indicates the separate level for industrial points. The proposed factory is located in the industrial area. The observed daytime and night time values of project site are lower than the National Environmental Quality (Emission) Guidelines.

5.4.3. Water Quality

Water quality (SW-1) was sampled from tube well water. Wastewater quality (SW-2) was sampled from the drain in front of the factory premise (drainage water). Tube well water and Wastewater samples were collected two samples at the project site and carried out laboratory analysis by ISO-TECH laboratory.

The location of Water sample point of the Project

No.	Water Sample Name	Coordinates		Sample Type
		Latitude (N)	Longitude (E)	
1.	SW-1	16°53'28.19"N	96°13'59.57"E	Tube well water
2.	SW-2	16°53'29.29"N	96°14'2.28"E	Waste Water

*Record Photo for Water Sampling (*Tube well*)*

*Record Photo for Water Sampling (*Waste Water*)*

Water Result

Water samples of tube well water and wastewater purpose are tested in ISO-TECH Laboratory.

Table 5-9 Water Quality Testing Results (Tube Well Water)

Analyses	Results	Unit	WHO- Drinking Water Guideline
	SW-1		
pH	7.8		6.5-8.5
Color (True)	5	TCU	15
Turbidity	12	NTU	5
Electro conductivity	356	µS/cm	
Total Hardness	62	mg/l as $CaCO_3$	500
Calcium Hardness	42	mg/l as $CaCO_3$	
Magnesium Hardness	20	mg/l as $CaCO_3$	
Total Alkalinity	188	mg/l as $CaCO_3$	
Phenolphthalein Alkalinity	Nill	mg/l as $CaCO_3$	
Carbonate($CaCO_3$)	Nill	mg/l as $CaCO_3$	
Bicarbonate(HCO_3)	188	mg/l as $CaCO_3$	
Iron	0.47	mg/l	0.3
Chloride	20	mg/l	250
Sodium Chloride	33	mg/l	
Sulphate	10	mg/l	500
Total Solid	200	mg/l	1500
Total Suspended Solid	22	mg/l	
Total Dissolved Solid	178	mg/l	1000
Manganese		mg/l	0.05
Phosphate		mg/l	
Phenolphthalein Acidity		mg/l	
Methyl Orange Acidity		mg/l	
Salinity		ppt	
Temperature	25	C°	

According to the tube well water result turbidity and iron are slightly more than WHO-Drinking Water Guideline. Groundwater (tube well) more turbidity and iron content due to several natural and environmental factors of project area. These minerals naturally contain iron, which leaches into the water as it percolates through the earth. Another factor as rainwater seeps into the ground, it can dissolve iron from the soil and rocks.

Table 5-10 Waste Water Quality Testing Results

Analyses	Results	Unit	NEQG Guideline
pH	7.3	S.U	6-9
Biochemical Oxygen Demand (BOD) (5 days at 20°C)	30	mg/l	50
Chemical oxygen demand (COD)	96	mg/l	250
Dissolved Oxygen (DO)	6	mg/l	-

Total Suspended Solid	68	mg/l	50
Total Dissolved Solid	166	mg/l	-
Ammonia Nitrogen (NH3)	1.92	mg/l	10

According to the wastewater result total suspended solid is slightly more than the National Environmental Quality (Emissions) Guidelines (NEQEG). This process is enhanced by the presence of turbidity in original source of ground water. As a consequence of this occurrence, total suspended solid in the wastewater may increase.

5.4.4. Lighting Condition

Light quality measurements were conducted at the factory's work areas (sewing, cutting, QC, and finishing) using a UT382 series light meter.

Light Level Standards (IFC Illumination Codes)

No.	Location/activity	Light Intensity (Lux)
1.	Emergency light	10
2.	Outdoor non-working areas	20
3.	Simple orientation and temporary visits (machine storage, garage, warehouse)	50
4.	Workspace with occasional visual tasks only (corridors, stairways, lobby, elevator, auditorium, etc.)	100
5.	Medium precision work (simple assembly, rough machine works, welding, packing, etc.)	200
6.	Precision work (reading, moderately difficult assembly, sorting, checking, medium bench and machine works, etc.), offices	500
7.	High precision work (difficult assembly, sewing, color inspection, fine sorting, etc.)	1,000 – 3,000

Source: General EHS Guidelines (IFC)

Figure 5-13 Some Record Photos for Light Measuring

Light measured data are as shown in following Table.

Table 5-11 Light Measurement Result

Location	Measure value (Lux)
Office room	343
Cutting section	500
Sewing Section	
▪ line-2	456
▪ line-4	529
▪ line-6	477
Labeling Section	389
QC Section	634
Packing section	306
Storage (warehouse)	188

According to this measurement, the average light condition at the sewing area is between 400-550 Lux, some sewing lines are slightly below the IFC standard of (500 Lux). But the proposed factory used all of the sewing machines in these section are build-In light bulb installed. Other general areas such as office, storage area are suitable for IFC standard.

5.4.5 Temperature Condition

Measurement Location and Method

The room temperatures of the working areas in the factory were measured using a BENETECH GS320 IR Industrial Thermometer. Temperature level measurement was performed in working area (cutting, sewing, storage etc.) inside of the factory building.

Result and Discussion

The temperature measurement results obtained are listed in the table below. When comparing the results with the International Finance Corporation, IFC's guideline of 32°C, the measurement results are below 32°C.

Table 5-12 Temperature Measurement Result

Location	**Temperature (°C)**
Pattern room	28.7
Cutting section	30.2
Sewing Section	31.1
Labeling Section	30.4
QC Section	28.8
Packing section	29.5
Store	30
Office room	28.1

Figure 5-14 Some Record Photos for Temperature Measuring

5.4.6 Soil Quality

Baseline soil and sediment contamination were collected to understand the soil quality of the proposed project existing conditions. The soil sample was sent to the Department of Agriculture (Land Use Division) for laboratory testing.

The location of Soil sample point of the Project

Date	Sample Name	Location	
		Latitude (N)	Longitude (E)
12-6-2024	(SS)	16°53'29.20"N	96°13'59.05"E

Analysis Results

The analysis results of soil are presented in table below,

Table 5-13 Soil Analytical Data Result

Sr No.	Sample plot	Moisture %	pH Soil : Water 1: 2.5	EC S:W 1:5 (ms/cm)	Texture				Organic Carbon %	Organic Matter %	Total N %
					Sand %	Silt %	Clay %	Total %			
1	SS	1.24	7.57	0.08	91.8	2.88	5.32	100	0.30	0.52	0.017

Exchangeable Cations meq/100gm	Available Nutrients	
K^+	P ppm (O)	K_2O mg/100gm
0.32	6.88	15.18

Table 5-14 Soil Interpretation Result

Sr No.	Sample plot	pH	EC	Texture	Organic Carbon	Total N	Available Nutrients	
							P	K_2O
1	SS	Slightly Alkaline	Very Low	Sand	Very Low	Very low	Low	Medium

Figure 5-15 Record Photo of Soil Sampling

5.5. Socio-economic Resources

The following are the secondary data of East Dagon Township. Some data are collected from Township Profiles of East Dagon Township, General Administration Department (GAD)and some data are sourced from the Department of Population, Ministry of Immigration and Population "The 2014 Myanmar Population and Housing Census– Yangon Region, Eastern District - Dagon Myothit (East) Township Report".

(a) Population

There are about 172,277 people in East Dagon Township as shown in the following Table. The percentage of urban population is about 91.1% in township.

Township	Total (Male/Female)				Total (Urban/Rural)			House-holds
	Male	Female	Total	Sex Ratio	Urban	Rural	Urban Populatio	
East Dagon	81318	90959	172277	1:1.09	33702	2112	91.1%	35814

Source: East Dagon Township Administrative Offices

(b) Ethnicity

Most of the people who live in East Dagon are mostly Bamar. A small number of Kayar and Kachin live in East Dagon Township. The races residing in East Dagon Township are shown in the following table.

No.	Race	Number	%
1	Kachin	107	0.06
2	Kayar	18	0.01
3	Kayin	2004	1.16
4	Chin	1236	0.72
5	Mon	370	0.21
6	Bamar	162140	94.12
7	Rakhine	2855	1.66
8	Shan	310	0.18
9	Chinese	247	0.14
10	India	2990	1.73
Total		172277	100

Source: East Dagon Township Administrative Offices, 2019

(c) Religion

All of 96% of the people living in the township are Buddhists. There are many religious places in the region including, 2 pagodas and 15 monasteries for Buddhists. The different kinds of religion present in East Dagon Township are shown in in the following Table.

Township	Religion	Buddhist	Christian	Hindu	Muslim	Total
East Dagon	Number	167201	2167	1612	1279	172277
	(%	96.37	2.09	0.76	0.78	100.0

Source: East Dagon Township Administrative Offices, 2019

(d) Land Use

East Dagon Township mainly uses its land for settlement followed by agriculture land. Detailed acres for land uses in East Dagon Township are shown in in the following table.

Land Category	Acres
Agricultural Land	1831
Forest and Natural Area	-
Grazing land	-
Industrial Land	130
Settlement Land	15115
Wastelands	-
Forest wild	-
wild land	1039
Other	4380
Total Area	22495

Source: East Dagon Township Administrative Offices, 2019

(e) Occupation, Education and Healthcare Profile

Data show that trade is the common livelihood means of households in East Dagon Township. The other main economic activities in the area are industry, government employee, and public services. The summery of Occupation, Education and Healthcare Profile of East Dagon Township are shown in following table.

Socio-Economic Environment	
Occupation	
Economy	Skilled worker 24.5% Mobile seller 9.5% Casual labor 9.8% Permanent Job, employee 20.7% Small business 26.2% Others 9.3%
Industries	109 Factories (including warehouses) 158 small manufacturing
Labour Force (aged 15 – 64)	Labour force participation rate 61.8%

Socio-Economic Environment	
	Unemployment rate 4.2% Employment to population ratio 59.2%
Average income/year	1,154,651 kyats/year
Education	
Educational Infrastructure	24 Primary schools 4 Middle schools 6 High schools 1 University
Educated	Primary 49.3% Secondary 34% Tertiary 8.8% Others 7.8%
Public Health facilities	Urban health care centers -4 Sub Rural health care centers -4 General hospital -1 Mental Health Hospital -1

(f) Transportation

The main mode of transportation within the project area is by road. Major roads running from north to south within the project area are: No.(2) Main road and MinYeKyawSwar road. They are connecting to Dagon Myothit (North) Township. KyanSitThar road and AnawYaHtar road is main connecting road to Dagon Myothit (South).

(g) Source of drinking water

In East Dagon Township, 87.2 per cent of households use improved sources of drinking water (tap water/piped, tube well, borehole, protected well/spring and bottled water/water purifier). Some 38.8 per cent of the households use water from bottled water/water purifier and 38.7 per cent use water from tube well/borehole. Some 12.8 per cent of the households use water from unimproved sources. In rural areas, 93.6 per cent of the households use water from unimproved sources for drinking

(h) Source of lighting

In East Dagon Township, 70.4 per cent of the households use electricity for lighting. This proportion in electricity usage is high compared to other townships in Yangon Region. The percentage of households that use electricity in Yangon Region is 69.3 per cent. n rural areas, 36.7 per cent of the households mainly use battery for lighting.

6. ENVIRONMENTAL IMPACT ASSESSMENT AND MITIGATION MEASURES

This chapter provides an assessment of potential impact arising from the project. To identify and assess the magnitude of potential impacts of project activities of the proposed project, the EMP study team will use professional judgment from specialists, fieldwork, desktop studies, modeling and analysis to identify potential impacts and their likely interactions. The methodological approach used for the project impact assessment is adapted from the impact assessment methods recommended by the Canadian Environmental Assessment Agency (1990), by the World Bank (1991) and by the International Finance Corporation (Dec. 1998).

6.1. Impact Assessment Methodology

An impact can be defined as any change in the physical-chemical, biological, cultural and/or socio-economic environmental system that can be attributed to human activities. The significance of the aspects/impacts of the process were rated by using a matrix derived from Plomp (2004) and adapted to some extent to fit this process. These matrixes use the consequence and the likelihood of the different aspects and associated impacts to determine the significance of the impacts. The significances of the impacts were determined through a synthesis of the criteria below:

Table 6-1 Evaluation of Impact Assessment

Assessment	**Weighing**				
	1	2	3	4	5
Magnitude (M)	Insignificant	small and will have no effect on environment	Medium and will result in minor changes on environment	High and will result in significant changes on environment	Very high and will result in permanent changes on environment
Duration (D)	0-1 year	2-5 year	6-15 year	Life of operation	Post Closure
Extent (E)	Limited to the site	Limited to the local area	Limited to the region	National	International
Probability (P)	Very improbable	Improbable	Probable	Highly probable	Definite

Then, the Significant Point (SP) is calculated by following formula.
Significant Point (SP) = (Magnitude + Duration + Extent) * Probability

Impact Significance: Based on calculated significant point, impact significance can be categorized as following explanation;

Significant Point (SP)	**Impact Significance**
< 15	No impact
15-29	Low impact
30-44	Moderate significant
45-59	High significant
> 60	Very high significant

6.2. Anticipated Impacts during Operation Phase of Factory

The proposed garment factory is already built and so impact assessments for pre-construction and construction phases are not effective for this project. The following are the anticipated impacts during operation phase of proposed factory.

(a) Impact on Air Quality

During the operation phase, air pollution may cause by fugitive dust from loading and unloading of raw material, cleaning floor and cutting section. The project will involve the movement of vehicles for transportation of raw materials, goods and workers in the factory areas such as trucks and transportation ferry etc., which will contribute to gases emissions from the combustion of fuel. The most prevalent gases emitted from vehicle exhaust by fuel combustion are CO, CO_2, and NO_2. In addition, emergency used of generator may generate particulate matters such as PM_{10}, $PM_{2.5}$, CO, SO_2, NO_2, and CO_2.

Impact Significance

In factory, air pollution generation activities of the generator and vehicle movements will run only a short time. It is anticipated that the magnitude and extent of the air quality impact from the project will be small and localized. Thus, the significance of the impact is considered as "Low"

Impact Significance of the Air Quality (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Air Quality	2	4	2	3	24	Low

(b) Impact of Noise

Noise impact can affect the environment and factory employees. The significant sources of noise impact activities are the operation of various machineries and equipment in garment production especially sewing machine, cutting machine etc. In addition, the operation of back up generator, vehicles and automobile movements (short term noise) will be sources of noise impacts.

Impact Significance

The magnitude and extent from the project activities are predicted to be small and limited to the site due to the seldom operation of the noisy machines [generator]. So, the noise impact from the operation of the factory is considered to be "Low" and it will be low significantly affect to the surrounding environment of the industrial zone area.

Impact Significance of the noise (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Noise	2	4	1	4	28	Low

(c) Impact of Water Quality

The factory runs the operation on garment (CMP) basis and effluent are not discharged from its operation. Only domestic wastewaters from workers usage and office facilities are discharge to common drainage channel of the industrial zone through out the factory drainage channels. Moreover, separate the drainage and pipeline system for sewer line, surface runoff. However, the existing drain water quality can be changed due to overflow of sewage from the septic tank and accidental spill/drop of fuel oil. The water flow can be blocked due to the direct disposal of wastes in factory drainage channel,

Impact Significance

If cannot proper management of domestic wastewater, they will cause the adverse effects to water environment. However, it is predicted that the magnitude and extent of the water quality impacts from the factory will be small and limited to the site. Therefore, the significance of the impact is considered as "Low".

Impact Significance of the Water Quality (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Water Quality	2	4	1	3	21	Low

(d) Impacts of Solid Waste

Solid wastes from the operation phase of the proposed factory will consist of factory process wastes and domestic wastes from workers.

Solid wastes from garment factory at the operation process are rejected garments; leftover fabric scraps and trims- including buttons, embroidery threads, and other adornments.

During operation phase, solid wastes generated from the workers are plastic, paper, glass and food waste. The solid waste from workers in the project site and operation phase will cause the adverse effects to environment.

Impact Significance

solid wastes from factory will be substantial generated because there are several garment wastes and numerous workers' operating in the factory. So, it is predicted that the magnitude and extent of the solid wastes impacts from the factory will be medium and limited to the site. Therefore, the significance of the impact is considered as "Moderate".

Impact Significance of the Solid Waste (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Solid Waste	3	4	1	4	32	Moderate

(e) Occupational Health and Safety

Physical injuries

Physical injuries may occur in workplaces such as fall on slippery floors, improper use of machines and tools (e.g., cutting machine and other) and improper product loading and unloading in store.

Lighting and temperature

Factory will use light tubes for general lighting purposes. This includes space lighting and task lighting. Activities of the workers in the operating sector depend on the quality of light; thus, it is important to provide sufficient lighting to those areas.

Communicable Diseases

The potential health risk may occur in workplaces for transmission of communicable diseases, e.g., Covid-19, respiratory and sexually transmitted infections resulting from the influx of construction workers.

Impact Significance

It is observed that the factory care about occupational safety and executing the manufacturing in accordance with COVID-19 prevention measures. Therefore, the impact significance for the Occupational Health and Safety category is considered as "Low"

Impact Significance of the Occupational Health and Safety (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Health and Safety	3	4	2	3	27	Low

(f) Hazards and Natural Disaster Risk

Typical hazards and natural disaster risk include river floods, storms & cyclones, earthquakes and fire risk. Although there was no natural disaster in the project area according to the secondary data collection, floods and fire hazard can be considered as the most possible in project area.

Fire Risk (Hazards)

Fire risk can be emerged from the worker behavior while executing in workplace. Potential fire hazard could be from poor electrical connections, improper handling and storage of oil fuel, garment wastes and other flammable materials.

Impact Significance

It is predicted that the magnitude and extent of fire risk during the operation phase will be small and localized. Therefore, the impact significance is considered as "Low"

Impact Significance of the Fire Risk (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Fire Risk	2	4	2	3	24	Low

Floods and Earthquakes Risk (Natural Disaster Risk)

According to the secondary data collection, river flood or flash flood may occur during the rainy season. It might be partly areas of East Dagon Township because of the Nga Moe Yeik Reservoir exceeded its normal water level, causing water to overflow from the spillways to Pazundaung Creek (Ngamoyeik Chaung).

Also, Yangon region including project area lies in earthquake prone area. The severity of the impacts will largely depend on the strength of the factory's structure and emergency preparedness.

Impact Significance of the Floods and Earthquakes Risk (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Floods and Earthquakes Risk	3	4	2	3	27	Low

(g) Socio-economic Impacts

The positive socio-economic impacts are considered as more jobs opportunities are created during operation phases of the project. The factory workers comprising both skilled and unskilled will recruit from the local community.

The negative socio-economic impacts may occur by occurrence of conflict between workers, lack of coordination between employers and workers and non-compliance with labor rights.

Impact Significance

It is predicted that the magnitude and extent of workers conflict during the operation phase will be small and limited to the site. Therefore, the impact significance is considered as "Very Low"

Impact Significance of the conflict of workers (Operation Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
workers conflict	2	4	1	2	14	Very low

6.3. Anticipated Impacts during Decommissioning Phase of factory

Although, the proposed project is expected to have an operational life, decommissioning of the project would occur at the end of its lifespan. During decommissioning phase, all concrete and steel structures and equipment would be dismantled and removed.

Impacts during decommissioning are expected to be limited to workers on site. Potential environmental impacts due to the decommissioning activities will include the following:

(a) Impacts on Air Quality

During decommissioning some localized increase in dust levels will be unavoidable. The sources gases of dust generation will be vehicle movement and demolishing of buildings.

Impact Significance

It is predicted that the decommissioning phase will be short as there is only one building and demolishing process could be considered as a small-scale work. Therefore, it magnitude and extent of the impact will be small and localized. The significance of the impact is considered as "Low"

Impact Significance of the Air Quality (Decommissioning Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Air Quality	2	1	2	3	15	Low

(b) Impact of Noise and Vibration

During decommissioning phase, the use of equipment (steel cutter, hand grinder etc.) for structure building demolition works will inevitably generate noise. Another source of noise generation is resulting from the transportation vehicles. These noises may create a nuisance to the surrounding.

Impact Significance

Noise and vibration will be a temporary or short-term and is not much affected to the nearest local communities. So, the magnitude and extent of the noise and vibration impact will be small and localized. The significance of the impact is considered as "Low"

Impact Significance of the Noise and vibration (Decommissioning Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Noise and vibration	2	1	2	3	15	Low

(c) Impacts on Water Quality

Alteration of surrounding water quality can cause due to the disposal of demolition wastes in the drainage channels.

Impact Significance

The magnitude and extent of the impact on water quality from demolition activities are expected to be insignificant and localized. Thus, the impact significance is considered as "Very Low"

Impact Significance of the Water Quality (Decommissioning Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
Water Quality	1	1	2	3	12	Very Low

(d) Impacts of Solid Waste

Improper disposal of demolished debris such as concrete blocks, steel pieces cabling, scrap metal and worker wastes. This can increase the volume of solid wastes in and around the demolition site.

Impact Significance

Since the duration of the demolition operation is expected to be short and the volume of wastes generated is predicted to be small, the impact significance for the solid waste generation is considered as "Very Low".

Impact Significance of the solid waste (Decommissioning Phase)

Components	Magnitude	Duration	Extent	Probability	Points	Significant level
solid waste	2	1	1	3	12	Very Low

(e) Impacts on Socio-economic

Factory shall be closed prior to demolition, there will be potential negative impacts resulting in loss of jobs depending on the garment factory and related businesses, indirect employment and loss of revenue for the government.

6.4. Summary of Evaluation and Impact Ratings

The summary of evaluation and prediction of significant impacts in operation and decommissioning phase of proposed factory before without proper mitigation is shown in Table below:

Table 6-2 Summary of Impact Ratings in Operation Phase of Proposed Factory

Components	Activities and Source	Potential Impacts	Magnitude	Duration	Extent	Probability	Points	Significant
Operation Phase								
Air Quality	raw materials handling, generator operation and vehicle movement	Generation of dust, fine PM and other exhaust gases	2	4	2	3	24	Low
Noise	Factory machines, Emergency use of diesel generator	Generation of Noise	2	4	1	4	28	Low
Water Quality	Domestic wastewater	Contamination of nearby surface water quality	2	4	1	3	21	Low
Solid Waste	Factory process waste Domestic waste	Increase amount of solid wastes	3	4	1	4	32	Moderate
Health and Safety	Operation of garment machines	Physical injuries, Infectious disease	3	4	2	3	27	Low
Hazards (Fire Risk)	negligence of fire, electric shock	Fire risk can emerge due to lack of awareness of workers	2	4	2	3	24	Low
Natural Disaster Risk	Floods / Earthquakes	Injury to people; life-threatening Buildings and equipment loss	3	4	2	3	27	Low
Socio-economic	Factory operation	conflict of workers	2	4	1	2	14	Very low
		Job Employment and government revenues	-	-	-	-	-	Positive Impact

Table 6-3 Summary of Impact Ratings in Decommissioning Phase of Proposed Factory

Components	Activities and Source	Potential Impacts	Magnitude	Duration	Extent	Probability	Points	Significant
Decommissioning Phase								
Air Quality	Building demolishing and vehicle movement	Generation of dust, fine PM and other exhaust gases	2	1	2	3	15	Low
Noise	Equipment and machines, used for structural removal	Generation of Noise	2	1	2	3	15	Low
Water Quality	Building demolishing and vehicle movement	Contamination of nearby surface water quality	1	1	2	3	12	Very Low
Solid Waste	Improper disposal of decommissioning debris	Increase amount of solid wastes	2	1	1	3	12	Very Low
Socio-economic	Factory close	loss of jobs and government revenues					-	Negative

Table 6-4 Summary of Impact Significant Assessment for Proposed Factory

Impact Significance		Impact on the environment	
Intensity	**Measure**	**Operation Phase**	**Decommissioning Phase**
Very Low	Minor or no mitigation required	1	2
Low	Required minor mitigations	6	2
Moderate	Require more or less additional mitigations	1	-
High	Require a number of additional mitigation or modification of the project design	-	-
Very High	Require additional mitigations plus modification of the project design or alternative action may be required	-	-

6.5. Mitigation Measures

The significant environmental and social impacts of the proposed factory were found to be impact intensity levels are (very low, low, moderate) during operation phase and (very low) during decommissioning Phase. However, in order to keep the impacts to a minimum, the Mitigation Measures and Residual Impact described below will be implemented according to the operation and decommissioning phase of the project.

Table 6-5 Potential Impacts and Mitigation Measures for Project

Potential Impacts	Impact Significance[1]	Mitigation Measures	Residual Impact Significance[2]
Operation Phase			
Air Quality (Generation of dust, PM and gases)	Low	- providing good ventilation system in factory - Provision of particulate protection masks and goggles - Regular inspection and maintenance of the generator. - Install filter in the boiler smoke stack and sufficient stack height	Very low
Noise (From factory processes)	Low	- Use the sewing and all other machines with low noise technology - Give the PPE for noise (earphone) and the sufficient time to rest for the workers working in noisy area - Installation of sound control system (Silencer/Muffler) in generator and air compressors - Perform regular inspection and maintenance of all machines	Very low
Water Quality (domestic wastewater)	Low	- Septic tanks and all drainage facilities should be inspected and maintained on a regular basis. - Prohibit the disposal of waste in drainage channel - Cooperate with municipals to pump out the sewage before reaching to the peak level in Septic tank	Very low
Waste Disposal (factory process wastes and domestic wastes)	Moderate	- Garbage bins are placed systematically in designated areas. - Recyclable waste; the scraps, cut wastes (Fabric, Foam) are saved separately and reused or sold - Hazardous waste are separately stored in the designated bags and disposed by cooperation with Township municipal - Contacting the township municipality to dispose the final waste according to the specified time or amount.	Very low
Health and Safety (Accidental injury, infectious diseases)	Low	- Warning signs in potentially dangerous areas; marks, Keeping the compliance points visible - Provide PPE when necessary - Provide first aid kits and contact points in case of injury and accidents - Appoint a nurse at the factory clinic. - Follow up and implement the “Guideline for Prevention and Control of Coronavirus Disease 2019 (COVID-19), In factories, workplaces and construction sites” by the Ministry of Health.	Very low

Hazards (Fire risk)	Low	- The workplace should be designed to prevent the start of fires through the implementation of fire codes applicable to industrial settings with directed by local fire department - Equipping facilities with fire detectors, alarm systems, and fire-fighting equipment. The equipment should be maintained in good working order and be readily accessible. - Emergency exits and routes are arranged in the factory and its exits are always clear. - Perform fire safety awareness training to all workers	Very low
Natural disaster risk (floods and earthquakes)	Low	- Set up the emergency assembling area - Conducting emergency action and response plan to evacuate during natural disaster risk such as flooding and earthquake. - Emergency exits and routes are arranged in the factory and its exits are always clear	Very low
Socio-economic (conflict of workers)	Very low	- Ensure total compliance with national labor and employment laws; - Promote the fair treatment, non-discrimination and equal opportunity for workers; and - Promote safe and healthy working conditions.	Very low
(employment opportunity)	Positive	- Prioritise the workers from nearby communities to recruit at the factory	-

Potential Impacts	Impact Significance[1]	Mitigation Measures	Residual Impact Significance[2]
Decommissioning Phase			
Air Quality (Generation of dust, PM and gases)	Low	- Water spraying of demolition area and road - Avoid incinerating waste materials - Reduce the idling time of vehicles and machineries while not in use	Very low
Noise (Demolition work, machines)	Low	- Dismantling operations only during the day - Reduce the idling time of vehicles and machineries while not in use. - Give the PPE for noise (earphone) for the workers working in noisy area	Very low
Water Quality (Using vehicles and machinery)	Very low	- Perform regular inspection and maintenance of all demolition machineries and vehicles - Prohibit the disposal of demolition debris into the nearby drainage channel	Very low
Solid wastes (Demolition wastes)	Very low	- Dispose the demolition debris only at the designated site	Very low
Socio-economic (loss of jobs)	Negative	- Announce the workers at least 3 months prior to factory closure - Recommend workers to work in similar factories if possible. - Compensation according to the national labour rules and regulations	Low

[1]before implementation of Mitigation and Management Measures
[2] after implementation of Mitigation and Management Measures

7. PUBLIC CONSULTATION AND DISCLOSURE

7.1. Objective of Public Consultation

Public consultation is one part of the Environmental Management Plan to familiar the local people or stakeholder with the project. The consultation helped the Project to gather information on potentially affected people and on potential data gaps and informed the project activities.

7.2. Environmental Management Plan Requirements

Public consultation is necessary as a part of the EMP study. The project proponent and its consultant have to organize a public consultation among regulators, local community, local authority and other relevant organizations on the project development and plans. As a part of EMP requirement, the project proponent publicized about the project developments to the concerned stakeholders as follows;

- Information of the stakeholders about the project, environmental and social issues related to project operation, and mitigation measures to minimize environmental and social impacts.
- Considering the views, concerns, and perceptions of stakeholders, communities and individuals that could be affected by the project or who otherwise have an interest in the project.
- Participation and partnership where issues, need to join for discuss and assess.

7.3. Public Consultation

A public meeting was held on Friday (25-10-2024) at the meeting hall of Yangon Oscar Fashion Co., Ltd. in Yangon Region, East Dagon Township, East Dagon Industrial Zone, Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, Plot No. (173/A) to receive comments from the public about the proposed project. It was held at the property.

In the meeting, the company clearly presented the information and environmental observations regarding the CMP system. Local people, officials from government departments and workers attended and discussed. Positive comments from the public in the discussions and suggestions were received. Moreover, it was found that there was no objection on the proposed project.

Public Consultation Meeting

Presentation and Public Consultation Meeting on Environmental Management Plan for Manufacturing of Garment on CMP Basis to be Implemented by Yangon Oscar Fashion Co., Ltd	
Place:	Yangon Oscar Fashion Co., Ltd [Meeting Room], at East Dagon Industrial Zone, East Dagon Township
Date:	25-10-2024 (Friday)
Time:	1:00Pm to 2:00Pm
Detail meeting minutes, suggestion and participates attended the consultation meeting are shown in ***Appendix A***	

Agenda

1. Opening the meeting
2. Explaining about the Project information by U Khin Aung (HR Manager) from garment factory
3. Explaining about the Environmental Management Plan (EMP) by U Thant Zin, (Associate Consultant) from Environmental Assessment Services Co., Ltd
4. Questions and Discussion
5. Closing

1. Opening

On 25th October 2024 (Friday) 1:00 PM, the meeting started at Yangon Oscar Fashion Co., Ltd, Meeting Room.

2. U Khin Aung (HR Manager)

He clarified the appointment of workers and the operation of the factory such as production of finished goods, availability of raw materials and working condition of the factory.

3. U Thant Zin (Associate Consultant)

U Thant Zin explained about Project Description, Baseline environmental conditions surveys and results, Environmental Management Plan and Monitoring Plan of the proposed project with Power point.

4. Questions and Discussion

(1) U Kyaw Naing Moe (Deputy Staff Officer) of ECD

- He was suggested and discussed
- To obtain public opinion in the vicinity of the factoryt in an appropriate manner,
- To accurately measure and report environmental quality measurements related to the business in terms of parameters and to compare and verify them with international standards and including national standards of NEQEG guildine.
- To implement appropriate particulate control systems according to the type of fuel to be used in the boiler,
- To include information on disaster response plans, 3Rs for waste management, and non-incineration of wastes, in the report,
- After the report is approved, the company must submit monitoring reports every (6) months, so that the contents of the report can be fully implemented,
- It was recommended that the contents of the report be thoroughly verified by the relevant company officials.

***Response by** U Thant Zin (Associate Consultant)*

U Thant Zin explained that the EMP report will include guidelines, plans and recommendations related to the factory. Environmental baseline will be measured, compared in accordance with the NEQEG Guideline., and reporting in EMP.

Response by *U Khin Aung (HR Manager)*

U Khin Aung continued by explaining that the company has provided training to relevant employees on the disposal of solid and liquid (including chemical waste) waste and that they are following it properly.

(2) *U Aung Myat Kyaw (Assistant Station Officer) Fire Service Department Dagon Myothit (Eastern Region)*

He said,

Regarding fire safety, it was recommended to install fire installation systems, appoint a fire safety manager and effectively implement them, and inspect them every 6 or 8 months, install automatic cut-off systems to prevent fire hazards, and keep trolley type fire extinguishers in reserve. Then, it was further recommended that our Fire Department opens and conducts training courses to deal with fire hazards systematically.

5. Closing

U Khin Aung (HR Manager)

Yangon Oscar Fashion Co., Ltd. HR (Human Resource) Manager U Khin Aung expressed his gratitude to those who attended the discussion. He said that the project is being implemented in accordance with the laws, rules, procedures, and regulations issued by the relevant departments. He is ready to implement any additional requirements

He expressed his gratitude to those who came to the meeting and said that if there is anything related to the factory, they can contact him.

The ceremony was adjourned at 2:00 p.m.

Figure 7-1 Some Record Photo of Group Meeting

7.4. Public Disclosure Process

As per the requirements of the EIA Procedure, the project proponent has disclosed information on the project on their office at at East Dagon Industrial Zone, East Dagon Township, Yangon Region. Hard copies of the EMP report will be made available at Yangon Oscar Fashion Co., Ltd or website page of https://gosharecloud.com/145ADocument/YangonOcarEMP.pdf.

8. ENVIRONMENTAL MANAGEMENT PLAN

The Environment Management Plan (EMP) is required to ensure sustainable development in the area of the project site. This EMP has systematically explored all possible positive and negative environmental impacts of the proposed project and identified mitigation and monitoring measures on negative impacts which can be occurred in operation phases. Environmental and social management needs to be funded annually and environmental and social work will be coordinated with Environmental Management Plan (EMP) Implementation Team (EMPIT). EMP for proposed project will include the following sub-plan with supervision by EMPIT.

(a) Sub-Environmental Management Plan;
(b) Environmental Monitoring Plan;
(c) Emergency Response Plan; and
(d) Corporate Social Responsibility (CSR) Plan.

8.1. Environmental Management Plan (EMP) Implementation Team

The proposed project should have the organization to monitor the environmental and social impacts of the proposed project. This organization can audit the proposed project to compliance the Environmental Management Plan (EMP). The environmental management plan (EMP) Implementation team should consist as follow.

Table 8-1 Structure of EMP Implementation Team (EMPIT)

No.	Team members	Position	No. of member	Remark
1.	Director	Chairman	1	Yangon Oscar Fashion Co., Ltd
2.	Factory Manager	Team leader	1	Yangon Oscar Fashion Co., Ltd
3.	Supervisor	Member	2	Yangon Oscar Fashion Co., Ltd
4.	Engineer	Member	1	Yangon Oscar Fashion Co., Ltd
5.	Supporting staff	Member	>2	Yangon Oscar Fashion Co., Ltd

Roles and Responsibilities

Director

Duties and responsibilities of a managing director include formulating policies, managing, planning, checking and decision making of the project operations. Complying with instructions and guidelines from relevant departments; presenting reports on ongoing programs.

Factory Manager (Team leader)

The major duties and responsibilities of the factory manager of proposed project should be as given below:

- To implement the environmental management plan;
- Planning, tracking, and reporting on outputs and outcomes;
- Financial planning and tracking;
- To establish and promote good relations with local communities (industrial, residential, etc.)
- Planning and executing communication plans to stakeholders.

- Review and interpretation of monitored results and corrective measures in case monitored results are above the specified limit; and
- To draw health and safety policy in place and to create this document and ensure it's regularly updated to reflect any changes to the law;

Member

The main responsibilities and duties of the member include:

(a) To assure regulatory compliance with all relevant rules and regulations,
(b) To ensure regular operation and maintenance of pollution control devices,
(c) To minimize environmental impacts of operations by strict adherence to the EMP.
(d) To initiate environmental monitoring as per approved schedule.
(e) To assess the compliance of the operation of the project with environmental quality objectives;
(f) To monitor and evaluate the effectiveness of mitigation or control measures in achieving environmental protection;
(g) To carry out and monitor environmental awareness within the factory employees;
(h) Maintain documentation of good environmental practices and applicable environmental laws as ready reference.
(i) Maintain environmental related records.
(j) Coordination with regulatory agencies, external consultants, monitoring laboratories.
(k) Maintain of log of public inconvenience and the action taken.
(l) To train all staff in safety issues, and advising them on protective clothing and equipment where necessary. They also act as a key point of contact for any member of staff who has a query or concern regarding the safety of the workplace.

8.2 Sub-Environmental Management Plan

8.2.1 Air Quality Management Plan

(a) Management Objective

This Air Quality Management Plan is prepared to operate the garment factory with minimise the potential impact of air pollutant and greenhouse gas emissions on the receiving environment.

(b) Regulatory Requirement and Performance Criteria

To comply with applicable air quality standards in NEQEG guideline

(c) Implementation Strategy

Table below contains a list of the appropriate action plan for air quality that must be taken into account during each project phase.

Operation phase		
	Action Plan	*Frequency*
Implementation	- Install exhaust ventilation system at emission / release points of factory room - Install filter in the boiler smoke stack and sufficient stack height	Once
	- Perform regular inspection, maintenance of	Daily

	generator - Regular maintenance of equipment and machines. - Check all the workplace areas whether ventilation is in good condition	
	- Providing particulate protection masks and goggles (PPE)	As necessary
Financial Allotment	500 USD (Annual)	
Responsible Group	EMP Implementation Team (EMPIT)	
Decommissioning Phase		
Implementation	*Action Plan*	*Frequency*
	- Water spraying of demolition area - Establish and enforce speed limits of working vehicles - Prohibition of idling of vehicles - Avoiding demolition works during strong wind	Daily
Financial Allotment	400 USD (Annual)	
Responsible Group	EMPIT (or) Contractor	

(d) Monitoring and Record Keeping

Air quality monitoring will be conducted as described in Section 8.3 of this EMP.

8.2.2. Niose Management Plan

(a) Management Objective

To prevent excessive noise emissions from proposed garment factory operations.

(b) Regulatory Requirement and Performance Criteria

To comply with applicable noise level standards in NEQG guideline (describe in section 3.4.2 of this report)

(c) Implementation Strategy

Table below contains a list of the appropriate action plan for noise level that must be taken into account during each project phase.

Operation phase		
Implementation	*Action Plan*	*Frequency*
	- Use the sewing and all other machines with low noise technology - Installation of sound control system (Silencer/Muffler) in generator and air compressors	Once
	Give the PPE for noise (earphone) and the sufficient time to rest for the workers working in noisy area	As necessary
	- Perform regular inspection and maintenance of all machines	Daily

	- Installation/ Maintenance of natural barriers at facility boundaries, such as vegetation curtains or plantation.	
Financial Allotment	500 USD (Annual)	
Responsible Group	EMP Implementation Team (EMPIT)	
Decommissioning Phase		
Implementation	*Action Plan*	*Frequency*
	Give the PPE for noise (earphone) and the sufficient time to rest for the workers working in noisy area	As necessary
	- Avoid running demolition machineries at the same time; and to avoid working at night. - regular inspection and maintenance of all vehicles and equipment working onsite	Daily
Financial Allotment	400 USD (Annual)	
Responsible Group	EMPIT (or) Contractor	

(d) Monitoring and Record Keeping

Noise level monitoring will be conducted as outlined in Section 8.3 of this EMP.

8.2.3. Water Quality Management Plan

(a) Management Objective

To prevent the release of contaminants that may adversely affect the surrounding water quality

(b) Regulatory Requirement and Performance Criteria

(i) To comply with applicable water quality (factory effluence) standards in NEQEG guideline (describe in section 3.4.2 of this report)

(ii) Yangon City Development Committee (YCDC) Law, 2018

There are paragraphs which intended for the factories operating in YCDC administrative area to prevent environmental pollution.

- Paragraph 322 (f) - The factory must implement necessary management plan to avoid the environmental impact on tube well, pond, well, drainage and rivers/creeks due to the discharge and leakage of waste, waste water.
- Paragraph 322 (m) - The factory must treat waste water before discharging it.

(c) Implementation Strategy

The factory operates on CMP basis and wet processing (application of chemicals) are not done at the factory. Table below contains a list of the appropriate action plan for water quality that must be taken into account during each project phase.

Operation phase		
Implementation	*Action Plan*	*Frequency*
	- Septic tanks and all drainage facilities should be inspected and maintained on a regular basis. - Prohibit the disposal of waste in drainage channel;	Daily

	- Cooperate with municipals to pump out the sewage before reaching to the peak level in Septic tank	As necessary
Financial Allotment	700 USD (Annual)	
Responsible Group	EMP Implementation Team (EMPIT)	
Decommissioning Phase		
Implementation	*Action Plan*	*Frequency*
	- Perform regular inspection and maintenance of all demolition machineries and vehicles	As necessary
	- Prohibit the disposal of demolition debris into the nearby drainage channel	Daily
Financial Allotment	400 USD (Annual)	
Responsible Group	EMPIT (or) Contractor	

(d) Monitoring and Record Keeping

Water quality monitoring will be conducted as described in Section 8.3 of this EMP.

8.2.4. Waste Management Plan

(a) Management Objective

To manage wastes from the operation of the garment factory and associated infrastructure in such a way that any potential impacts on the environment are minimised or avoided by incorporating the waste management hierarchy.

(b) Regulatory Requirement and Performance Criteria

(i) Myanmar's National Waste Management Strategy and Master Plan (2018-2030) :2020

(ii) Yangon City Development Committee (YCDC) Law, 2018

There are paragraphs which intended for the factories operating in YCDC administrative area to prevent environmental pollution.

Paragraph 322 (h) - The factory must dispose waste to the designated place that is planned by YCDC.

(iii) Industrial Zone Law (2020)

Section 42, Investors in Established Industrial Zones where a safe collective storage and disposal of waste products system cannot be implemented shall make their own arrangements for the installation of a system that can safely store and dispose waste products

(c) Implementation Strategy

. Table below contains a list of the appropriate action plan for solid wastes that must be taken into account during each project phase.

Operation phase		
Implementation	*Action Plan*	*Frequency*
	- Prohibit the disposal of waste in drainage channels. - Waste Disposal will be done systematically in designated areas	Daily
	- Provide sufficient number of waste bins where waste	As

	are generated - Recyclable waste are saved separately and reused or sold - Hazardous waste are separately stored in the designated bags and disposed by cooperation with Township municipal - Contacting the township municipality to dispose of the final waste according to the specified time or amount.	necessary
Financial Allotment	500 USD (Annual)	
Responsible Group	EMP Implementation Team (EMPIT)	
Decommissioning Phase		
Implementation	*Action Plan*	*Frequency*
	- A Waste Management Plan (WMP) for the Project should be developed and implemented covering different aspects of waste management including waste generation, storage, recycling, treatment, transport and disposal.	Daily
Financial Allotment	300 USD (Annual)	
Responsible Group	EMPIT (or) Contractor	

(d) Monitoring and Record Keeping

Monitoring of solid waste will be conducted as described in Section 8.3 of this EMP.

8.2.5. Utilities Consumption Management Plan

(a) Management Objective

To save electricity and water consumption during proposed garment factory operation.

(b) Regulatory Requirement and Performance Criteria

To comply with applicable limit of electricity and water consumption

(c) Implementation Strategy

Table below contains a list of the appropriate action plan for utilities consumption that must be taken into account during operation phase.

Operation phase		
Implementation (electricity consumption)	*Action Plan*	*Frequency*
	- Use LED lights and/or lower wattage lamps; - Implementing good housekeeping measures such as turning off equipment and lights when not in use; - Using more efficient equipment when replacing old equipment (such as motors and heating units).	As necessary

Implementation (water consumption)	- Use of water efficient plumbing fixtures (ultra flow toilets and urinals) - inform and train all of staff on saving water on annual basis accordingly as well - Rainwater collection practiced through pipes and channeled into a catchment basin	As necessary
Financial Allotment	Included in operational/ Maintenance cost	
Responsible Group	EMPIT	

(d) Monitoring and Record Keeping

Monitoring of utilities consumption will be conducted as described in Section 8.3 of this EMP.

8.2.6. Occupational Health and Safety Management Plan

The Occupational Health and Safety Management Plan for the factory is proposed as follows;

(a) Management Objective

This occupational health and safety management plan is prepared to ensure health and safety for workers/staff for this project during each project phase.

(b) Regulatory Requirement and Performance Criteria

Occupational Safety and Health Law (2019)

It stipulates that the employers or entrepreneurs shall be responsible to improve the productivity and health of workers by preventing the occurrence of occupational accidents and diseases by

- Providing the sufficient number of personal protective clothing, materials and facilities prescribed and approved by the department on free of charge basis and cause workers to wear them while working.
- Providing a clinic, appointing the registered doctors and nurses, and providing medicines and supporting equipment.
- Prescribing the precautionary plans for emergency and occupational safety and health instructions, danger signs, notices, posters and signage for directions in accordance with stipulations.
- Arranging to prevent any persons in the Workplace from occupational safety and health risks occurred due to materials and machines used and wastes generated in the workplace or process.

(c) Implementation Strategy

Table below contains a list of the appropriate action plan for Occupational Health and Safety that must be taken into account during operation phase.

Operation phase		
Implementation	*Action Plan*	*Frequency*
	- Appoint a nurse at the factory clinic. - Warning signs in potentially dangerous areas; marks, Keeping the compliance points visible	Once

	- Provide necessary trainings and orientation to workers for using and handling of tools and equipment - Provide PPE according to the required areas - Provide first aid kits and contact points in case of injury and accidents - The prevention and control of communicable and vector-borne diseases also applicable to project operation activities - Follow the "Guideline for Prevention and Control of Coronavirus Disease 2019 (COVID-19), In factories, workplaces and construction sites" by the Ministry of Health.	As necessary
Financial Allotment	1000 USD (Annual)	
Responsible Group	EMPIT	

(d) Monitoring and Record Keeping

Monitoring of Occupational Health and Safety will be conducted as described in Section 8.3 of this EMP.

8.2.7. Risk Prevention Plan

(a) Management Objective

To prevent fire risk and natural disaster risk during proposed garment factory operation.

(b) Regulatory Requirement and Performance Criteria

Myanmar Fire Brigade Law (2015)

According to section 25, Any factory, industry, bus stop, airport, port, hotels, motels, guest houses, high rise mixed used buildings, markets, offices, organizations, concerning fire risk owners or management person in accordance with fire department guidance: -

- No one can default to compose reserved fire force.
- No one can absence to place fire safety equipment.

Natural Disaster Management Law (2013***)***

(c) Implementation Strategy

Table below contains a list of the appropriate action plan for fire risk that must be taken into account during operation phase.

Operation phase		
	Action Plan	*Frequency*
Implementation	- The workplace should be designed to prevent the start of fires through the implementation of fire codes applicable to industrial settings with directed by local fire department - Equipping facilities with fire-fighting equipment and alarm systems. The equipment should be maintained in good working order and be readily accessible. - Set up the emergency assembling area	Once

	- Conducting emergency action and response plan to evacuate during natural disaster risk such as flooding and earthquake.	As necessary
	- Prepare the emergency exist in all buildings and make it always clear. - Provision of manual firefighting equipment that is easily accessible and simple to use	Monthly
	- Perform fire safety awareness training to all workers - Providing awareness on the steps to be taken when facing natural disasters	Yearly
Financial Allotment	included in operational/ Maintenance cost 500 for training (Annual)	
Responsible Group	EMPIT	

(d) Fire Safety Awareness Training

The importance of staff training is overemphasized. The management team should be fire safety awareness training to all workers at least one time per year cooperate with the local fire brigade. The following subjects should be covered in each training session, with practical exercises where possible: -

- the action to be taken on discovering a fire;
- how to raise the alarm, including, where appropriate, the location of alarm call points and indicator panels;
- the action to be taken on hearing a fire alarm;
- the correct method of calling the fire brigade;
- knowledge of escape routes, assembly points and the roll call procedure;
- the evacuation procedure for the building.
- the location and use of firefighting equipment; and
- general fire precautions

(e) Monitoring and Record Keeping

Monitoring of fire risk will be conducted as described in Section 8.3 of this EMP.

8.2.8. Leak and spill Management paln

(a) Management Objective

To prevent leak and spill of fuel oil and other materials during factory operation phase.

(b) Implementation Strategy

Table below contains a list of the appropriate action plan for leak and spill of fuel oil that must be taken into account during operation phase.

Operation phase		
Implementation	*Action Plan*	*Frequency*
	- Carefully handle the fuel oil to avoid accidental spill - Store the fuel oil container/ barrel on the concrete	Daily

	floor and in a sheltered area.	
	- spill collection kits kept readily available for emergency spill control	As necessary
Financial Allotment	included in operational/ Maintenance cost	
Responsible Group	EMPIT	

Table 8-2 Summary of Environmental Management Plan at Operation phase

No.	Item	Project Activities/ Potential Impact	Mitigation and Management Action	Annual estimated cost (USD)	Responsible Party
1	Air Quality	-Uploading and inspection of the raw materials, -Moving material, and -Transportation. Machinery, vehicles and energy generator devices can emit gases to the atmosphere	- Install exhaust ventilation system at emission / release points of factory room - Install filter in the boiler smoke stack and sufficient stack height - Perform regular inspection, maintenance of generator - Regular maintenance of equipment and machines. - Check all the workplace areas whether ventilation is in good condition - Providing particulate protection masks and goggles (PPE).	500	EMP Implementation Team (EMPIT)
2	Noise	Noise due to generator, vehicles and automobile movements	- Use all machines with low noise technology - Installation of sound control system (Silencer/Muffler) in generator and air compressors - Give the PPE for noise (earphone) for the workers working in noisy area - Perform regular inspection and maintenance of all machines - Installation/ Maintenance of natural barriers at facility boundaries, such as vegetation curtains or plantation.	500	EMP Implementation Team (EMPIT)
3	Water Quality	Domestic wastewater	- Septic tanks and all drainage facilities should be inspected and maintained on a regular basis. - Prohibit the disposal of waste in drainage channel; and - Cooperate with municipals to pump out the sewage before reaching to the peak level in Septic tank	700	EMP Implementation Team (EMPIT)
4	Waste	The types of wastes generated are; -Cut wastes (Fabric, Foam), -General waste from office and canteen	- Prohibit the disposal of waste in drainage channels - Provide sufficient number of waste bins where waste are generated - Waste Disposal will be done systematically in designated areas	500	EMP Implementation Team (EMPIT)

		-Hazardous waste -Liquid waste from sewerage system (toilets)	- Recyclable waste are saved separately and reuse or sold - Hazardous wastes are separately stored in the designated bags and disposed by cooperation with Township municipal - Contacting the township municipality to dispose of the final waste according to the specified time or amount.		
5	Utilities Consumption	Electricity Consumption	- Use LED lights and/or lower wattage lamps; - Implementing good housekeeping measures such as turning off equipment and lights when not in use; - Using more efficient equipment when replacing old equipment (such as motors and heating units)	included in operational/ Maintenance cost	EMP Implementation Team (EMPIT)
		Water consumption	- Use of water efficient plumbing fixtures (ultra flow toilets and urinals) - inform and train all of staff on saving water on annual basis accordingly as well - Rainwater collection practiced through pipes and channeled into a catchment basin		
6	Health and Safety	Occupational safety and Health - Physical injuries communicable diseases	- Provide PPE when necessary - Provide necessary trainings and orientation to workers for using and handling of tools and equipment - Provide first aid kits and contact points in case of injury and accidents - Appoint a nurse at the factory clinic. - The prevention and control of communicable and vector-borne diseases also applicable to project operation activities - Follow up and implement the “Guideline for Prevention and Control of Coronavirus Disease 2019 (COVID-19), In factories, workplaces and construction sites” by the Ministry of Health.	1,000	EMPIT coordinate with the Local Health Department
7	Socio-economic	conflict of workers	- Ensure total compliance with national labor and employment laws;	included in CSR	EMP Implementation

			- Promote the fair treatment, non-discrimination and equal opportunity for workers; and - Promote safe and healthy working conditions.		Team (EMPIT)
8	Risk (Hazards)	Fire Risk	- The workplace should be designed to prevent the start of fires through the implementation of fire codes applicable to industrial settings with directed by local fire department - Equipping facilities with fire detectors, alarm systems, and fire-fighting equipment. The equipment should be maintained in good working order and be readily accessible. - Provision of manual firefighting equipment that is easily accessible and simple to use - Fire and emergency alarm systems that are both audible and visible - Perform fire safety awareness training to all workers	included in operational/ Maintenance cost 500 for training	EMPIT coordinate with the Local Fire Department
		floods and earthquakes risk	- Set up the emergency assembling area - Conducting emergency action and response plan to evacuate during natural disaster risk such as flooding and earthquake. - Emergency exits and routes are arranged in the factory and its exits are always clear		
9	Leak and spill	accidental spill of oil	- Carefully handle the fuel oil to avoid accidental spill - Store the fuel oil container/ barrel on the concrete floor and in a sheltered area. - spill collection kits kept readily available for emergency spill control	included in operational/ Maintenance cost	EMPIT

Remark: **Annual estimated cost (USD 3,700)**

Table 8-3 Summary of Environmental Management Plan at Decommissioning Phase

No.	Potential Impact	Project Activities	Mitigation and Management Action	Estimated cost (USD)	Responsible Party
1	Air Quality	- Fugitive Dust from earthworks - Vehicular Emission	- Water spraying of demolition area - Establish and enforce speed limits of working vehicles - Prohibition of idling of vehicles - Avoiding demolition works during strong wind	400	EMP Implementation Team (EMPIT) (or) Contractor
2	Noise	Noise and vibration due to demolition and transportation activities	- Dismantling operations only during the day - Reduction of idling without the use of vehicles and machinery. - Give the PPE for noise (earphone) for the workers working in noisy area	400	EMPIT (or) Contractor of demolition works
3	Water Quality	Demolition of buildings, Operation of heavy machineries for demolition of buildings,	- Perform regular inspection and maintenance of all demolition machineries and vehicles - Prohibit the disposal of demolition debris into the nearby drainage channel	400	EMPIT (or) Contractor
4	Waste	Generation of solid waste from demolition works	- Dispose the demolition debris only at the designated site	300	EMPIT (or) Contractor
5	Socio-economic	Factory close	- Announce the workers at least 3 months prior to factory closure - Recommend workers to work in similar factories if possible. - Compensation according to the national labour rules and regulations	-	EMPIT

Remark: **Total estimated cost (USD 1,500)**

8.3. Environmental Monitoring Plan

Monitoring will be conducted to ensure compliance with regulatory requirements as well as to evaluate the effectiveness of operational controls and other measures intended to mitigate potential impacts. Since all the data cannot bring out all variations induced by the natural or human activities, regular monitoring program of the environmental parameters is essential to take into account the changes in the environment. Environmental Monitoring Report will be submitted to the ECD on a half-yearly basis during the construction phase to report monitoring findings and environmental and performance of the project

8.3.1. Monitoring Guidelines and Standards

As specified in the EIA Procedure, projects shall be responsible for the monitoring of their compliance with the following standard parameters from Myanmar National Environmental Quality (Emission) Guidelines, December 2015. Detail parameters values are showed in the previous section 3.4. Projects shall engage in continuous, proactive and comprehensive self-monitoring of the project and comply with applicable guidelines and standards.

8.3.2. Monitoring Parameters and Responsibilities

Monitoring frequency should be sufficient to provide representative data for the parameter being monitored. Monitoring data should be analyzed and reviewed at regular intervals and compared with the operating standards so that any necessary corrective actions can be taken.
The parameters to be monitored, location of the monitoring sites, frequency and duration of monitoring and responsibilities for each of the monitoring parameters are presented in Table 8.4.

Table 8-4 Proposed Environmental Monitoring Plan

Impact Source	Parameters	Monitoring Frequency	Monitoring Locations	Responsibility	Annual Estimated Cost (USD)
Operation Phase					
Air Quality	Ambient air quality NO_2, SO_2, PM_{10}, $PM_{2.5}$, CO, O_3	Every six months	Infront of the factory building (16°53'29.26"N 96°13'59.54"E)	EMPIT	600
Noise	Noise level in dB(A)	Every six months	In Workplace (Near the Sewing Section) (16°53'28.60"N 96°14'1.06"E)	EMPIT	300
Water Quality (Effluent)	BOD, ammonia, COD, copper, chlorine (total residual), fluoride, iron, pH, sulfide, temperature increase, total phosphorus, TSS and zinc	Every six months	Factory outlet (Effluent) (16°53'29.29"N 96°14'2.28"E)	EMPIT	400
Utilities consumption	Record of water & fuel used	Monthly	At the factory (Record Documentation)	EMPIT	100
Waste	Inspect waste disposal system Record the type & amount of waste	Weekly	Inside the factory and Temporary garbage dump (16°53'26.11"N 96°13'59.49"E)	EMPIT	100
Health and Safety	Record of incidents at the Factory; Record of awareness rising activities for safety	Monthly	At the factory (Record Documentation)	EMPIT	100
Risk (Fire)	Inspection of whether fire extinguishers, fire alarm, fire boxes are in good condition	Monthly	Inside the factory (Record Documentation)	EMPIT	150

Impact Source	Parameters	Monitoring Frequency	Monitoring Locations	Responsibility	Estimated Cost (USD)
Decommissioning Phase (The closure period will last for a maximum of six months and will be measured only once)					
Air Quality	NO_2, SO_2, PM_{10}, $PM_{2.5}$, CO, O_3	Every six months Until completion of decommissioning	At demolition area (16°53'29.26"N 96°13'59.54"E)	EMPIT (or) Contractor	300 / survey
Noise	Noise level in dB(A)	Every six months	At demolition area (16°53'29.26"N 96°13'59.54"E)	EMPIT (or) Contractor	150 / survey
Water Quality (Effluent)	DO, COD, BODs, pH, TSS temperature increase, total phosphorus and zinc	Every six months	At demolition area (Effluent) (16°53'29.29"N 96°14'2.28"E)	EMPIT (or) Contractor	200 / survey
Waste	Inspect waste disposal system Record the type & amount of waste	Weekly	At demolition area	EMPIT (or) Contractor	50

8.3.3. Record Keeping and Reporting

Record keeping and reporting of performance is an important management tool for ensuring sustainable operation. Records should be maintained for regulatory, monitoring and operational issues. Results of recorded in files to monitor and audit monitoring will be carried out strictly as required by the related national regulations. According to the environmental impact assessment procedure, 2015, Article 108, the monitoring results of required parameters will be reported to Environmental Conservation Department (ECD) every six months, as provided in a schedule in the EMP, or periodically as prescribed by the Ministry.

8.4. Emergency Response Plan

An **Emergency Response Plan (ERP)** in a factory setting is critical for protecting employees and mitigating risks during emergencies. The plan should address all potential incidents, such as fires, medical emergencies and natural disasters. Below is a detailed framework of ERP in Seo Ho garment factory:

(a) Purpose and Scope

- **Purpose**: Ensure the safety of all factory personnel and assets during emergencies. And to establish guidelines for responding to emergencies to minimize injuries, property damage, and environmental impact.
- **Scope**: Applies to all employees, management, visitors, and contractors within the factory premises..

(b) Regulatory Requirement and Performance Criteria

Emergency prevention through good design, operation, maintenance and inspection can reduce the probability of occurrence and consequential effect of such outcomes. EMPIT Team should lead to practice Emergency Response Plan by combining resources of company and outside services to achieve the followings:

- Localize the emergency
- Minimize effects on property and people
- Effective rescue and medical treatment
- Evacuation

(c) Emergency Communication Plan

- Internal Communication:
    - Alarm Systems: Audible and visual alarms throughout the premises.
    - Public Address (PA) System: For evacuation announcements and updates.
    - Emergency Contact List: Available at all workstations and entry points.
- External Communication:
    - Emergency Services Contacts: Fire department, police, ambulance services.
    - Pre-scripted Messages: For rapid deployment via email, SMS, or social media if applicable.

Table 8.6 External Resources Contact Lists

No.	Name	phone
1.	General Administration Department (East Dagon)	01-2585048~49, 09-960008444
2.	Myanmar Police Force (East Dagon)	09763825001, 01-2585187
3.	Public Health and Medical Services (East Dagon)	01-2585195, 09-5027626
4.	Fire Station (East Dagon)	01-2585460, 0945512146
5.	East Dagon Social Welfare [Care Well] Clinic	09-426111090

(d) Evacuation Procedures

- Routes and Exits:
  - Clearly marked and illuminated emergency exits.
  - Maps displayed at strategic locations, detailing primary and secondary evacuation routes.
- Assembly Points:
  - Designated safe zones outside the building.
  - Procedures for roll call and accountability checks.
- Special Considerations:
  - Assistance for disabled or injured individuals.
  - Language support for non-native speakers (pictorial instructions).

(e) Fire Safety Plan

- Preventive Measures:
  - Regular maintenance of electrical systems and machinery.
  - Fire extinguishers and hose reels at key points.
  - Smoke detectors and automatic sprinkler systems.
- Fire Response Protocol:
  - Immediate alarm activation and area isolation.
  - Trained personnel to engage with fire extinguishers if safe.
- Evacuation: Follow defined evacuation routes.

(f) Natural Disasters

Earthquakes

- During the Event:
  - Drop, Cover, and Hold On: Employees should drop to their hands and knees, cover their heads and necks, and hold onto a sturdy piece of furniture.
  - Stay indoors until shaking stops and it is safe to move.
- After the Event:
  - Evacuate the building only when it is safe.
  - Use designated evacuation routes and proceed to open, pre-identified safe zones.
  - Conduct headcounts to ensure all employees are present.
  - Check for structural damage before re-entering the facility.

Floods

- Before Flooding:
  - Elevate critical machinery and secure important documents.
  - Seal doors and windows and activate flood barriers if applicable.
- During Flooding:
  - Move to higher ground or designated safe areas.
  - Turn off electrical equipment if time permits and it is safe to do so.
- After the Flood:
  - Ensure electrical and gas systems are inspected before turning them back on.
  - Document damage and commence cleanup with proper safety gear.

(g) First Aid and Medical Response

- First Aid Kits: Strategically placed and fully stocked.
- Trained Staff: Adequate first-aid certified personnel per shift.
- Medical Emergency Procedures:
  - Call emergency services.
  - Stabilize the patient until help arrives.
  - Maintain updated health records and emergency contacts.

(h) Training and Drills

- Regular Drills: Conduct evacuation and response drills at least twice a year.
- Training Programs:
  - Firefighting basics, first-aid response, and equipment handling.
  - Tailored sessions for new employees.
- Feedback Mechanism: Collect input from employees post-drill to identify areas of improvement.

(i) Recovery and Continuity Plan

- Post-Emergency Assessment:
  - Evaluate structural damage and conduct safety checks before resumption.
- Employee Support:
  - Provide counseling and medical support if necessary.
- Business Continuity:
  - Backup plans for production resumption, including temporary relocation.

(j) Documentation and Reporting

- Incident Log: Maintain detailed records of all incidents and actions taken.
- Review and Update:
  - Annual review of the ERP for updates or as needed after major incidents.
  - Ensure compliance with local and national safety regulations.

(k) Financial Allotment

Some financial allotment are already included in Management Plan and 500 USD for annual training and drills.

8.5. Corporate Social Responsibility (CSR) Plan

Contribution at random places with no records will have some social problem due to the lack of transparency. So, Yangon Oscar Fashion Co., Ltd. should have CSR program to contribute and manage CSR fund effectively.

8.5.1. Funding of CSR

Yangon Oscar Fashion Co., Ltd. agrees to contribute about 2% of net profit (about USD 1,000) as CSR fund and they granted annual environmental conservation and monitoring costs will not take account of in this CSR fund.

It is important that CSR activities should be accomplished not only by financial assistance but also by technical assistance and manpower in some donations to retain good relation with local communities. Allocated percent of CSR fund is based on local community needs according to the public survey. Proposed allocated percent of CSR budget are as follow:

No.	Activities	Proposed allocated per cent of CSR budget
1.	Education	30% or (USD 300)
2.	Health care facilities	25% or (USD 250)
3.	social welfare development	20% or (USD 200)
4.	local community development	25% or (USD 250)
Total		100% or (USD 1000)

8.5.2. Declare the Contribution of CSR Fund

All of the CSR activities and contribution programs should be declared to public by means of local media, company annual report or company's website on a regular basis. Audit on contribution of CSR fund should be carried out together with environmental and social audits through independent external audit team for transparency.

8.6. Implementation Budget and Schedule

The project must implement the proposed management program and monitoring plan for the proposed project. The estimated annual costs for EMP are as follow;

Table 8-5 Implementation Budget for EMP

Item	Estimated Cost (USD)	
	Operation phase (Annual)	Decommissioning phase (Six months)
Environmental Management plan	3,700	1,500
Environmental Monitoring	1,750	700
Emergency Response Plan	500	
CSR Fund	1,000	
General cost (checking/audit from relevant authority, Logistics etc.)	500	
Sub-Total	**7,450**	**2,200**
Total Estimated Cost		**9,650**

The total targeted annual fund for EMP is USD 9,650. Since the the estimated cost of decommissioning phase will be a one-time cost. Therefor the total targeted annual operational fund is USD 7,450. If these budgets are insufficient to implement the EMP, Yangon Oscar Fashion Co., Ltd will supplement them.

8.7. Grievance Redress Mechanism

The Grievance Redress Mechanism (GRM) is a system to deal with any grievance or complain related to the Project comprehensively. A Grievance Redress Mechanism (GRM) will be established at project effectiveness as a part of Safeguard and Citizen Engagement mechanism. This will capture grievances made by the direct and indirect project beneficiaries as well as nonproject beneficiaries who may be impacted by the project during implementation. The Yangon Oscar Fashion Co., Ltd considers the GRM experiences and describes GRM at each project stage to initiate the project to solve environmental and social related grievances during operation and closing phases.

Any stakeholder including customer, villagers, contractors, factory staff, authorities, and other involved parties may file a grievance if they consider that their right to information is interfered with procedures have been violated. Minor issues will be resolved at the Yangon Oscar Fashion Co., Ltd, and other unresolved issues will be referred to higher authorities, and finally the responsible person will be decided by the court in accordance with the law. The following diagram show steps of Grievance Redress Mechanism of Proposed Project.

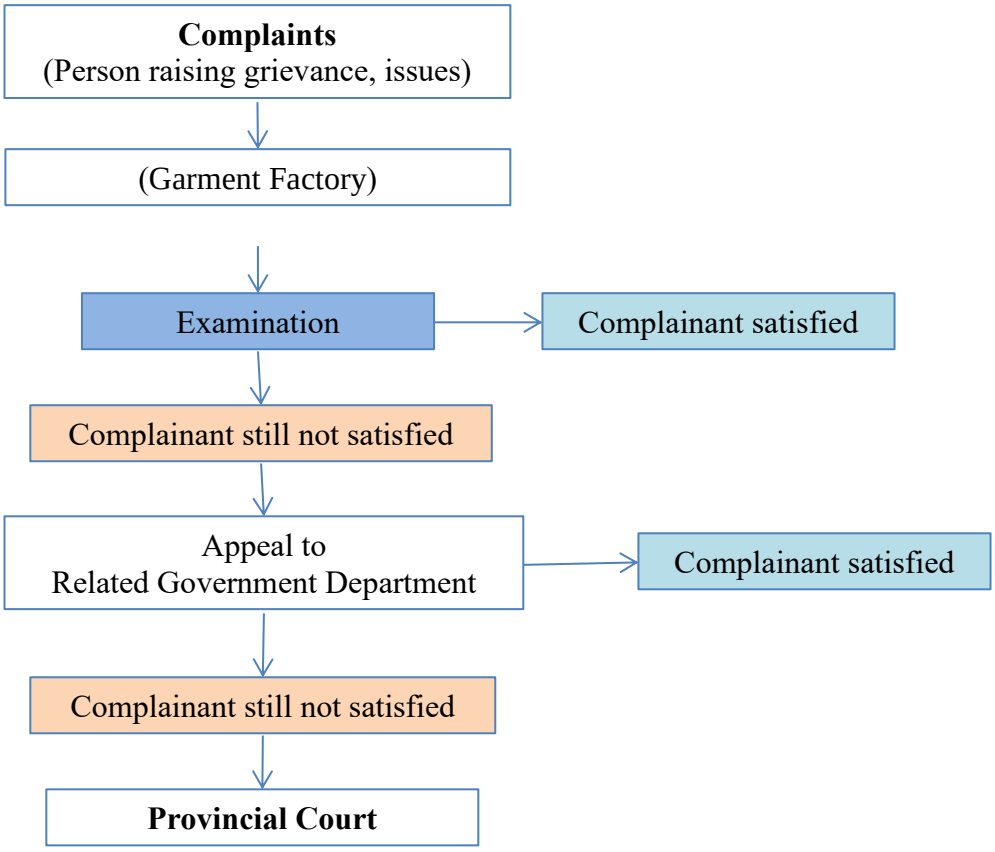


Figure 8-1 Steps in the Grievance Process Regarding Issues

8.8. Factory Decommissioning (Closer) Plan

Closure or completion criteria, are generally a set of indicators used to measure the successful completion of the closure process. They should reflect the area's individual set of environmental, social and economic circumstances.

At the time of factory closure, the physical removal of the structures and machine equipment will be the reversal of the construction process. All areas disturbed by the proposed project would be restored to pre-project conditions and/or to conditions acceptable to the Township Development Committee. The major activities that will be required for the decommissioning of proposed project are:

(a) Equipment and electrical system removal
(b) Building and Steel structures removal, and
(c) Concrete foundation removal

The demolition work and wastes deposal will follow the directions of the Township Municipal Development Committee. For detail activities and monitoring plan including quality inspection of water, air and noise; will be submitted to ECD by six months in advance of actual factory closure.

A fund will be set up at one of the state banks for the factory closure plan, and 1% of annual profits will be added to the bank during the period of project operation. If these funds are not sufficient for the implementation of the factory closure plan, The project proponent will supplement it.

9. CONCLUSION AND RECOMMENDATIONS

9.1. Conclusions

This EMP report was prepared for the manufacturing of various garments on CMP basis by the Yangon Oscar Fashion Co., Ltd at Plot No. (173/A), Myay Taing Block No. (113), Phan Chat Wun U Shwe Oh Street, East Dagon Industrial Zone, East Dagon Township, Yangon Region, The EMP covers the potential impacts, mitigation measures, management and monitoring plans that should be implemented for proposed project. All the information described in the report is based on the findings from environmental baseline survey and information provided by the Yangon Oscar Fashion Co., Ltd. According to the data interpretation for ambient air quality, noise level, and ground water quality results were compared with National Environmental Quality (emission) Guidelines and international guideline standards.

In conclusion, the EMP study for the proposed project identifies the following:

- Environmental quality values for each project implementation phase are analyzed and detailed in the report.
- The project will be implemented in accordance with the proposed EMP with qualified staff for safe environment and workplace

Therefore, the project proponent will fully implement the mitigation measures and plans contained in the Environmental Management Plan (EMP) report. It should be submitted that it will develop the socio-economic development of the region and increase the revenue for the Region/State

9.2. Recommendations

The EMP commitments should be followed by Yangon Oscar Fashion Company Limited.

Further training programs should be done for factory workers and staff to meet the environmental performance.

In addition, the Yangon Oscar Fashion Company Limited should monitor air, noise, and water quality, and waste management at every six months to ensure these in line with the National Environmental Quality (Emissions) Guidelines.

10. STATEMENT OF COMMITMENTS

A consolidated summary list of environmental and social impacts and mitigation measures commitments that Yangon Oscar Fashion Co., Ltd. shall be expected to adopt in order to manage and mitigate potential impacts associated with the project development is provided below in Table 10.1

Table 10-1 The List of Commitments

Commitment	No.	Description	Source
Policy, Legal and Institutional Framework	1.1	Yangon Oscar Fashion Co., Ltd shall follow applicable legislations, project relevant laws, rules and the legal framework of environmental issues past and present environmental legislation of Myanmar.	EMP Report, Chapter 3,
	1.2	The Project will be undertaken in line with international conventions, contracts, international policies, national and international standards such as NEQEG, (WHO) IFC General (EHS) guidelines	
Project Description	2.1	The contents mentioned in the basic information about the project are accurate.	EMP Report, Chapter 4,
	2.2	Yangon Oscar Fashion Co., Ltd shall follow the content of the project including waste management and discharged.	
Implement Mitigation Measures	3	Yangon Oscar Fashion Co., Ltd shall implement mitigation measures for Potential Environmental Impacts and Risks during the Project Operation and Decommissioning Phase	EMP Report, Chapter 6
Public Consultation and Disclosure	4.1	Yangon Oscar Fashion Co., Ltd shall undertake timely disclosure of all relevant information about the proposed Project on sign boards at the Project site visible to the public and timely explanations in web page.	EMP Report, Chapter 7
Commitment to follow the suggestions from public meeting	4.2	The project proponent will comply with suggestion from public consultation meeting such as fire safety, noise, waste management and traffic management.	
Environmental Management Plan	5	Yangon Oscar Fashion Co., Ltd. shall develop Environmental Management Plan and Sub plan of air, noise, water, solid waste, health and safety in EMP during the Project Operation.	EMP Report, Chapter 8

Environmental Monitoring Plan	6	Yangon Oscar Fashion Co., Ltd shall develop Environmental Monitoring Plan and biannually monitoring report with monitoring data shall be submitted to the Environmental Conservation Department for renewing the Environmental Clearance Certificate	EMP Report, Chapter 8
Corporate Social Responsibility (CSR)	7	Yangon Oscar Fashion Co., Ltd agrees to contribute about 2% of net profit as CSR fund for local community development.	EMP Report, Chapter 8

APPENDICES

APPENDIX A

Yangon Oscar Fashion Co., Ltd သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက် အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာ ရေးသားပြုစုခြင်းအတွက် ပြည်သူလုထု၏ သဘောထားရယူခြင်း အစည်းအဝေးပြုလုပ်ခြင်း မှတ်တမ်း

အချိန်။ ။ ၂၅.၁၀.၂၀၂၄ (သောကြာနေ့) (နေ့လည် ၁း၀၀နာရီမှ ၂း၀၀ နာရီ)
နေရာ။။ Doung Tai အစည်းအဝေး ခန်းမ

Yangon Oscar Fashion Co., Ltd မှ CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်း၏ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အတွက် ပြည်သူလူထု၏ သဘောထားရယူခြင်း အစည်းအဝေးအား အောက်ပါအခမ်းအနား အစီအစဉ် (၅) ရပ်ဖြင့် ကျင်းပပြုလုပ်ခဲ့ပါသည်။
အခမ်းအနား အစီအစဉ် ၁။ အခမ်းအနား အစီအစဉ်ဖွင့်လှစ်ခြင်း၊
အခမ်းအနား အစီအစဉ် ၂ ။ Yangon Oscar Fashion ကုမ္ပဏီ၏ Human resource manager ဦးခင်အောင်မှ ကုမ္ပဏီ အကြောင်းအရာနှင့် လုပ်ငန်းစဉ်များအား ရှင်းလင်းတင်ပြခြင်း၊
အခမ်းအနား အစီအစဉ် ၃။ တတိယ အဖွဲ့အစည်း ဖြစ်သော Environmental Assessment Services Co., Ltd ၏ တာဝန်ရှိသူ ဦးသန့်ဇင်မှ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်နှင့် စပ်လျဉ်း၍ ရှင်းလင်းတင်ပြခြင်း၊
အခမ်းအနား အစီအစဉ် ၄။ တက်ရောက်လာကြသူများမှ မေးမြန်းခြင်းနှင့် အကြံပြုဆွေးနွေးခြင်း၊
အခမ်းအနား အစီအစဉ် ၅။ အခမ်းအနား ပြီးမြောက်ကြောင်း ကြေညာခြင်းတို့ ဖြစ်ပါသည်။

၁။ အခမ်းအနား အစီအစဉ်ဖွင့်လှစ်ကြောင်း ကြေညာခြင်း
၂။ ကုမ္ပဏီ၏ Human Resource Manager ဦးခင်အောင်မှ ရှင်းလင်းတင်ပြခြင်း
ကုမ္ပဏီမှာ အဓိက အားဖြင့် အော်ဒါ အဝတ်အထည် (အပ်ထည်)များကို ချုပ်ပေးခြင်း ဖြစ်ပါသည်။ အော်ဒါကျလာသည့် အဝတ်အထည်များကို လိုချင်သော ပုံစံ ပေးပို့လိုက်သည့် ဒီဇိုင်းများကို စိစစ်ပြီး နမူနာချုပ်ပါသည်။ နမူနာချုပ်ထည်များကို ဝယ်လက်မှ လက်ခံသည့်အခါ ကုန်ကြမ်းများ ဝယ်ယူ စုဆောင်းရပါသည်။ ရောက်ရှိလာသော ကုန်ကြမ်းများကို သိုလှောင်ရုံ ဌာနသို့ ဦးစွာ ပို့ဆောင်ပါသည်။ ထို့နောက် သိုလှောင်ရုံမှ တစ်ဆင့် cutting ဌာနသို့ ပို့ဆောင်ပါသည်။ cutting

ဌာနမှာ ဖြတ်တောက်ပြီး sewing line ချပေးပါသည်။ ချုပ်ရမည့် ဒီဇိုင်းအမျိုးအစားပေါ် မူတည်ပြီး သက်ဆိုင် ဌာနများမှ ဆက်လက်ဆောင်ရွက်ရပါသည်။ ပထမ အဆင့် ချုပ်ထည်များကို QC ဌာနမှ စစ်ဆေးပေးရပါသည်။ ထို့နောက် Button set ဌာနသို့ ဆက်လက်ပို့ဆောင်ပြီး ကြယ်သီးပေါက်များတပ်ခြင်း၊ ဇစ် တပ်ဆင်ခြင်းနှင့် တံဆိပ်တပ်ဆင်ခြင်း စသည်များကို ဆက်လက်လုပ်ဆောင်ရပါသည်။ တပ်ဆင်ပြီး ချုပ်ထည်များကို QC ဌာနတွင် ဒုတိယ အကြိမ် စစ်ဆေးပေးရပါသည်။ စံချိန်စံညွှန်းများပြည့်မှီပါက Ioning ဌာနမှာ ချုပ်ထည်များကို မီးပူတိုက်ခြင်း ဆက်လက် လုပ်ဆောင်ပါသည်။ Ioning process ပြီးလျှင် နောက်ဆုံး စစ်ဆေးခြင်း (Final QC) ကို လုပ်ဆောင်ပါသည်။ ထို့နောက် အရည်အသွေးပြည့်မှီသည့် ချုပ်ထည်များကို ထုပ်ပိုးပြီး ကွန်တိန်နာတင်၍ သက်ဆိုင်ဝယ်လက် နိုင်ငံများကို တင်ပို့ခြင်းဖြစ်ပါသည်။ အထူးသဖြင့် ကုမ္ပဏီမှ ချုပ်ထည်များကို တရုတ်၊ ကိုးရီးယားနှင့် ဂျပန် နိုင်ငံများသို့ တင်ပို့ရောင်းချခြင်းဖြစ်ပါသည်။ ကုမ္ပဏီအနေဖြင့်လည်း နိုင်ငံတော်မှ ချမှတ်ထားသော ဥပဒေ၊ နည်းဥပဒေနှင့် လုပ်ထုံး လုပ်နည်းများအပေါ် အလေးထား လိုက်နာကျင့်သုံးလျက်ရှိပါသည်။ လက်ရှိမှာလည်း ပတ်ဝန်းကျင် စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) နှင့်ပတ်သက်၍ အစီရင်ခံ ရေးသားတင်ပြနိုင်ရန် ကျွမ်းကျင် ပညာရှင်များနှင့် တကွ အကောင်ထည်ဖော်ဆောင်ရွက်လျက်ရှိပါကြောင်း ဆွေးနွေးတင်ပြခဲ့ပါသည်။ တက်ရောက်လာကြသူများအား အကြံအဉာဏ်များနှင့် လိုက်နာဆောင်ရွက်သင့်သည်များကို ဆွေးနွေးပေးပါရန် တိုက်တွန်းနှိုးဆော်ပါကြောင်း တင်ပြခဲ့ပါသည်။

၃။ တတိယ အဖွဲ့အစည်း ဖြစ်သော Environmental Assessment Services Co., Ltd ၏ တာဝန်ရှိသူ ဦးသန့်ဇင်မှ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ်နှင့် စပ်လျဉ်း၍ ရှင်းလင်းတင်ပြခြင်း

တတိယ အဖွဲ့အစည်း ဖြစ်သော Environmental Assessment Services Co., Ltd ၏ တာဝန်ရှိသူ ဦးသန့်ဇင်မှ Yangon Oscar Fashion Co., Ltd မှ CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်း၏ ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အတွက် လက်ရှိပတ်ဝန်းကျင် အနေအထားနှင့် အရည်အသွေး ဆန်းစစ်ခြင်းနှင့်ရလဒ်များ၊ ပတ်ဝန်းကျင်ဆိုင်ရာ စီမံခန့်ခွဲမှုအစီအစဉ်နှင့် စောင့်ကြပ်ကြည့်ရှုမှု အစီအစဉ်များကို powerpoint slides များဖြင့် တက်ရောက်လာကြသည့် အများပြည်သူများကို ရှင်းလင်းစွာ တင်ပြဆွေးနွေးခဲ့ပါသည်။

၄။ တက်ရောက်လာကြသူများမှ မေးမြန်းခြင်းနှင့် အကြံပြု ဆွေးနွေးခြင်း

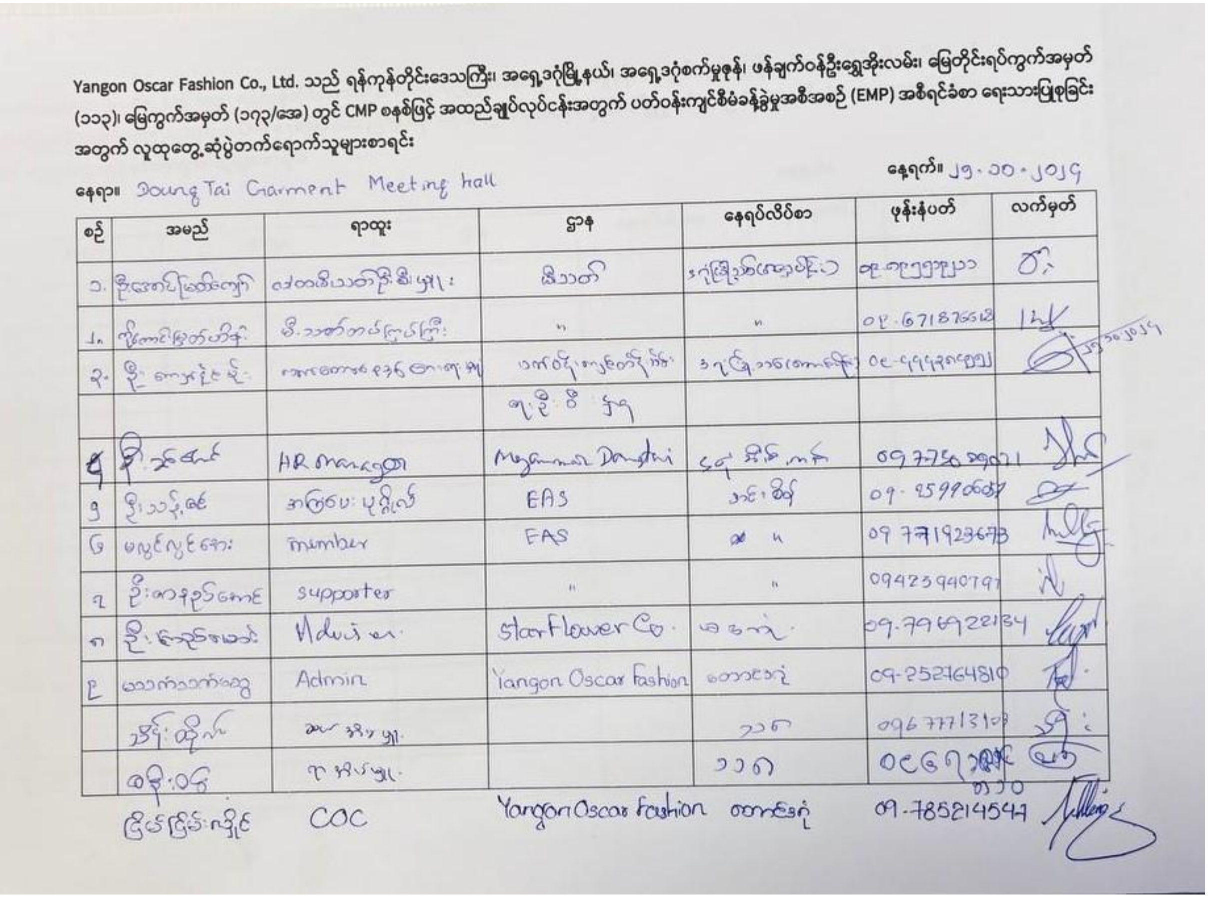
ဦးကျော်နိုင်မိုး (လ/ထ ညွှန်ကြားရေးမှူး) အရှေ့ပိုင်းတိုင်း ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဦးစီးဌာန ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် အစီရင်ခံစာအား ရေးဆွဲရာတွင်

စက်ရုံပတ်ဝန်းကျင်ရှိ လူထု သဘောထားများကိုလည်း သင့်ရာနည်းလမ်းဖြင့် ရယူနိုင်ရန်၊
လုပ်ငန်းနှင့် သက်ဆိုင်သည့် ပတ်ဝန်းကျင် အရည်အသွေး တိုင်းတာမှုများကို parameters ပြည်စုံမှန်ကန်စွာ တိုင်းတာဖော်ပြခြင်းနှင့် မြန်မာနိုင်မှ ထုတ်ပြန်ထားသော စံချိန်စံညွှန်းများ အပါအဝင် နိုင်ငံတကာမှ လိုက်နာကျင့်သုံးနေသော စံချိန်စံညွှန်းများဖြင့် မှန်ကန်စွာ နှိုင်းယှဉ် စိစစ်ဖော်ပြနိုင်ရန်၊
ဘွိုင်လာတွင် အသုံးပြုမည့် လောင်စာ အမျိုးအစားအရ သင့်လျော်သည့် အမှုန်အမွှာ ပုံ့လွှင့်မှု ထိန်းချုပ်ရေး စနစ်များလည်း စီမံဆောင်ရွက်သွားရန်၊
အစီရင်ခံစာတွင် သဘာဝဘေး တုန့်ပြန်ရေးအစီအစဉ်များ၊ စွန့်ပစ်ပစ္စည်းများအတွက် 3Rs စနစ်ဖြင့် ဆောင်ရွက်ခြင်း၊ မီးရှို့မှု မပြုခြင်းဆိုင်ရာ အကြောင်းအရာများလည်း ထည့်သွင်းဖော်ပြပေးရန်၊
အစီရင်ခံစာအား အတည်ပြုပြီးပါက (၆) လ တစ်ကြိမ် စောင့်ကြပ်ကြည့်ရှုမှု အစီရင်ခံစာများအား ကုမ္ပဏီအနေဖြင့် တင်ပြရမည်ဖြစ်ရာ အစီရင်ခံစာပါ အကြောင်းအရာများကို ပြည့်စုံစွာ အကောင်ထည်ဖော် ဆောင်ရွက်နိုင်ရန်၊
အစီရင်ခံစာပါ အကြောင်းအရာများအား သက်ဆိုင်ရာ ကုမ္ပဏီတာဝန်ရှိသူများမှ သေချာစွာ စိစစ်နိုင်ရန် ဖြစ်ကြောင်း အကြံပြုဆွေးနွေးခဲ့ပါသည်။
ဦးသန့်ဇင်မှ EMP အစီရင်ခံစာတွင် လမ်းညွှန်ချက်များ၊ စက်ရုံနှင့် ပတ်သက်သည့် အစီအစဉ်များ၊ အကကြံပြုချက်များအား ထည့်သွင်းဖော်ပြ ပေးသွားမည်ဖြစ်ကြောင်း ရှင်းလင်းတင်ပြခဲ့ပါသည်။
ဆက်လက်ပြီး ဦးခင်အောင်မှ စွန့်ပစ်ပစ္စည်းများကို စနစ်တကျ စွန့်ပစ်နိုင်ရန်အစီအစဉ်နှင့် စပ်လျဉ်း၍ ကုမ္ပဏီအနေဖြင့် သက်ဆိုင်ရာ ဝန်ထမ်းများကို အစိုင်အခဲနှင့် အရည် (ဓာတု စွန့်ပစ်ရည် အပါအဝင်) စွန့်ပစ်ပစ္စည်းများ စွန့်ပစ်ခြင်း ဆိုင်ရာ သင်တန်းများကို သင်ကြားစေပြီး ကောင်းစွာ လိုက်နာကျင့်သုံးနေပါကြောင်း ရှင်းလင်းတင်ပြခဲ့ပါသည်။
ဦးအောင်မြတ်ကျော် (လ/ထ မီးသတ်ဦးစီးမှူး၊ ဒဂုံမြို့သစ်(အရှေ့ပိုင်း)
မီးဘေးလုံခြုံရေးနှင့် ပတ်သက်၍ fire installation system များကို တပ်ဆင်၍ မီးဘေးလုံခြုံရေး မန်နေဂျာကို ခန့်အပ်ပြီး ထိထိရောက်ရောက် ဆောင်ရွက်နိုင်ရန်နှင့် ၆ လ(သို့) ၈ လ တစ်ကြိမ် စစ်ဆေးရန်၊ မီးဘေးအန္တရာယ်ကင်းဝေးစေရန်အလို့ငှာ အလိုအလျောက် ဖြတ်တောက်ခြင်း စနစ်များ တပ်ဆင်ရန်၊ Trolley type fire extinguisher များကို အရံသင့် ထားရှိရန်ဖြစ်ကြောင်း အကြံပြုဆွေးနွေးခဲ့ပါသည်။ ထို့နောက် မီးဘေးအန္တရာယ် စနစ်တကျ ကိုင်တွယ် ဖြေရှင်းနိုင်ရန် မိမိတို့ မီးသတ်ဦးစီးဌာန အနေဖြင့် သင်တန်းများဖွင့်လှစ်၍ ပို့ချပေးနေကြောင်း ထပ်လောင်း အကြံပြုဆွေးနွေးခဲ့ပါသည်။

၅။ အခမ်းအနား အစီအစဉ် ပြီးမြောက်ကြောင်း ကြေညာခြင်း

Yangon Oscar Fashion Co., Ltd ၏ HR (Human Resource) Manager ဦးခင်အောင်မှ ဆွေးနွေးပွဲသို့ တက်ရောက်လာကြသူများအား အထူးပင် ကျေးဇူးတင်ရှိပါကြောင်း၊ စီမံကိန်းနှင့် ပတ်သက်၍ သက်ဆိုင်ရာ ဌာနအလိုက် ထုတ်ပြန်ထားသော ဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများနှင့် စည်းမျဉ်းစည်းကမ်းများကို လိုက်နာ ဆောင်ရွက်လျက်ရှိပါကြောင်း၊ ထပ်မံလိုအပ်သည်များကို လိုက်နာကျင့်သုံးရန် အသင့်ရှိပါကြောင်း၊ နှင့် စီမံကိန်းနှင့် စပ်လျဉ်း၍လည်း တစ်စုံတစ်ရာရှိပါက ဆက်သွယ်နိုင်ပါကြောင်းပြောကြားခဲ့ပြီး အခမ်းအနားကို နေ့လည် ၂း၀၀ တွင် ရုပ်သိမ်းခဲ့ပါသည်။

လူထုတွေ့ဆုံပွဲအခမ်းအနားတက်ရောက်သူများ



Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာ ရေးသားပြုစုခြင်းအတွက် လူထုတွေ့ဆုံပွဲတက်ရောက်သူများစာရင်း

နေရာ။ Doung Tai Garment Meeting hall

နေ့ရက်။ ၂၉.၁၀.၂၀၁၉

စဉ်	အမည်	ရာထူး	ဌာန	နေရပ်လိပ်စာ	ဖုန်းနံပတ်	လက်မှတ်
၁.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
၂.	[illegible]	[illegible]	"	"	09·671876512	
၃.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
			[illegible]			
၄	[illegible]	HR Manager	Myanmar Doung Tai	[illegible]	0977509921	
၅	[illegible]	[illegible]	EAS	[illegible]	09·259906687	
၆	[illegible]	member	EAS	"	09 771923673	
၇	[illegible]	supporter	"	"	09423940797	
၈	[illegible]	Advisor	Star Flower Co.	[illegible]	09·796922134	
၉	[illegible]	Admin	Yangon Oscar Fashion	[illegible]	09-252764810	
	[illegible]	[illegible]		[illegible]	09677713103	
	[illegible]	[illegible]		[illegible]	[illegible]	
	[illegible]	COC	Yangon Oscar Fashion	[illegible]	09-785214544	

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာ ရေးသားပြုစုခြင်း အတွက် လူထုတွေ့ဆုံပွဲတက်ရောက်သူများစာရင်း

နေရာ။ Dong Tai Garment Meeting hall

နေ့ရက်။ ၂၅ · ၁၀ · ၂၀၁၉

စဉ်	အမည်	ရာထူး	ဌာန	နေရပ်လိပ်စာ	ဖုန်းနံပတ်	လက်မှတ်
၁.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[signature]
၂.	[illegible]	[illegible]	"	"	09.671876618	[signature]
၃.	[illegible]	[illegible]	[illegible]	[illegible]	09-[illegible]	[signature]
			[illegible]			
၄	[illegible]	HR Manager	Myanmar Dongtai	[illegible]	09 7750 [illegible]	[signature]
၅	[illegible]	[illegible]	EAS	[illegible]	09-259906[illegible]	[signature]
၆	[illegible]	member	EAS	"	09 771923673	[signature]
၇	[illegible]	supporter	"	"	09423940797	[signature]
၈	[illegible]	Advisor	Star Flower Co.	[illegible]	09-796922134	[signature]
၉	[illegible]	Admin	Yangon Oscar Fashion	[illegible]	09-252764810	[signature]
၁၀	[illegible]	[illegible]		[illegible]	09677713103	[signature]
၁၁	[illegible]	[illegible]		[illegible]	[illegible]	[signature]
၁၂	[illegible]	COC	Yangon Oscar Fashion	[illegible]	09-785214547	[signature]

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာ ရေးသားပြုစုခြင်းအတွက် လူထုတွေ့ဆုံပွဲတက်ရောက်သူများစာရင်း

နေရာ။ နေ့ရက်။

စဉ်	အမည်	ရာထူး	ဌာန	နေရပ်လိပ်စာ	ဖုန်းနံပတ်	လက်မှတ်
၁	ဦးကျော်ဝင်း	ဆယ်အိမ်မှူး	"	၁၁၈/[illegible]	၀၉.၂၅၀၂၇၅၀၉၃	[illegible]
၂	[illegible]	ဆယ်အိမ်မှူး	"	၁၁၈/ ဓ [illegible]	၀၉-၇၆၆၈၆၂၅၈၅	[illegible]
၃	ဦးမြင့်လွင်	ဆယ်အိမ်မှူး	"	၁၁၈/ ပုဂံလမ်း	၀၉.၆၇၃၃၂၈၆၉၄	[illegible]
၄	" မြေမျိုးအောင်	"	"	၁၁၈/ [illegible]	၀၉.၆၆၅၈၈၁၇၅၈	[illegible]
၅	" ဝင်းမြင့်	"	"	၁၁၈/ သာယာ	"	ဝင်းမြင့်
၆	" ကျော်[illegible]	"	"	၁၁၈/ ပုဂံလမ်း	၀၉.၆၇၁၆၁၂၇၅၇	ကျော်
၇	" သိန်းဟန်	"	"	၁၁၈/ [illegible]	၀၉၇၇၃၇၁၉၄၅၃	သိန်းဟန်
၈	" တင်ဝေ	"	"	၁၁၈/ [illegible]	၀၉၇၇၉၀၃၀၈၉၇	ဝေ
၉	" မြင့်မောင်	"	"	၁၁၈/ [illegible]	၀၉၆၉၉၈၂၉၆၂၆	[illegible]
၁၀	" မြင့်	"		၁၁၈/ယာဉ် / သာယာ	၀၉၆၈၄၀၀၆၈ ၂၈	[illegible]

လူထုတွေ့ဆုံပွဲမှအကြံပြုစာများ

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာအပေါ် ဆွေးနွေး အကြံပြုချက်များ

ဒေသခံများအတွက် အလုပ်အကိုင်ရရှိသောကြောင့် ကောင်းမွန်သော စီမံကိန်း ဖြစ်ပါသည်။

လက်မှတ် [signature]

အမည် ဦးကျော်ရွှင်

နေရပ်လိပ်စာ ၁၁၈/ပုဂံလမ်း/[illegible]

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာအပေါ် ဆွေးနွေး အကြံပြုချက်များ

အကြံပြုချက်များအတိုင်း လုပ်ဆောင်ရန်။

လက်မှတ် ----------------------------

အမည် [illegible]

နေရပ်လိပ်စာ [illegible]

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာအပေါ် ဆွေးနွေး အကြံပြုချက်များ

— သီးခြား အကြံပြု ဆွေးနွေးရန် မရှိပါ။

လက်မှတ် ----------------

အမည် ဦးမြင့်ကျော်

နေ့ရက်လိုပ်စာ ၁၈ / ဇူလိုင် / ၂၀၁၈

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာအပေါ် ဆွေးနွေး အကြံပြုချက်များ

လုပ်ငန်းခွင်ဘေးအန္တရာယ်ကင်းရှင်းမှုရှိစေရန် သက်ဆိုင်ရာ ကျွမ်းကျင်တာဝန်ရှိသူများမှ သတိပြုရပါမည်။

လက်မှတ် ----------------

အမည် [illegible]

နေ့ရပ်လိပ်စာ ၁၁ ရ / [illegible] / [illegible]

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာအပေါ် ဆွေးနွေး အကြံပြုချက်များ

လုပ်ငန်းခွင် အန္တရာယ် တစ်ခုတစ်ရာ ဖြစ်ပေါ်ပါက အရေးပေါ်အသုံးပြုနိုင်ရန် ဆေးသေတ္တာများ ထားရှိရန်၊ လျှပ်စစ်အန္တရာယ်နှင့် ဝန်ထမ်းများ ထိခိုက်မှုတစ်ခုတစ်ရာ မဖြစ်ပွားစေရန် ဂရုပြု ဆောင်ရွက်ရန်။

လက်မှတ် --------------------------------

အမည် --------------------------------

နေ့ရက်လိပ်စာ [illegible]

Yangon Oscar Fashion Co., Ltd. သည် ရန်ကုန်တိုင်းဒေသကြီး၊ အရှေ့ဒဂုံမြို့နယ်၊ အရှေ့ဒဂုံစက်မှုဇုန်၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ မြေကွက်အမှတ် (၁၇၃/အေ) တွင် CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ငန်းအတွက် ပတ်ဝန်းကျင်စီမံခန့်ခွဲမှုအစီအစဉ် (EMP) အစီရင်ခံစာအပေါ် ဆွေးနွေး အကြံပြုချက်များ

စက်ရုံမှ ထွက်ရှိသော အမှိုက်များအား သုံးစိတကျ စွန့်ပစ်ရန် နှင့်
မီးလောင်မှု မဖြစ်ပွားစေရန် စစ်ဆေးကြပ်မတ် ဆောင်ရွက်သွားရန်။

လက်မှတ် [signature]

အမည် ဦးကျော်ဆင်း

နေ့ရပ်လိပ်စာ ၁၁၈/[illegible]

APPENDIX B

Environmental Quality Results

Air Quality Result

Infro;

Session site	Yangon Oscar Fashion Co,. Ltd.
Location	East Dagon Township, Yangon Region
Latitude/ Longitude	16°53'29.26"N 96°13'59.54"E
Method	HAZ-SCANNER™ Model-EPAS
Logging began on	11.6.2024 (9:00 AM)
Logging stopped on	12.6.2024 (9:00 AM)
Monitoring Period	24 hours

Ambient Air Quality Monitoring Result

No	Parameters	Results		Avg. Period	Guideline value (NEQG)	Averaging Period
		Observed value	Converted value			
1	Nitrogen dioxide, NO_2	14.7 ppb 26.4 ppb	50 (µg/m^3)	1-hour*	40 (µg/m^3) 200 (µg/m^3)	1-year 1-hour
2	Ozone (O_3)	23 ppb	45 (µg/m^3)	8-hour	100 (µg/m^3)	8-hr daily max
3	Particulate matter, PM_{10}	26 (µg/m^3)		24-hour	20 (µg/m^3) 50 (µg/m^3)	1-year 24-hour
4	Particulate matter, $PM_{2.5}$	15 (µg/m^3)		24-hour	10 (µg/m^3) 25 (µg/m^3)	1-year 24-hour
5	Sulfur dioxide SO_2	2.8 ppb	7.8 (µg/m^3)	24-hour	20 (µg/m^3) 500 (µg/m^3)	24-hour 10 minute
6	Carbon monoxide CO	0.265 ppm		8-hour	9 ppm (NAAQS)	8-hour
7	RH	65%		24-hour	-	
8	Temperature	27 ºC		24-hour	-	
9	Wind Direction	197 Deg.		24-hour	-	
10	Wind Speed	2.8 mph		24-hour	-	

Air result (log data)

Environmental Report

Locations

914032	EPAS

Record Count: 1441 **Report Average: 1 Hour**

Start Date: 6/11/2024 at 9:00:00 **End Date: 6/12/2024 at 9:00:00**

	CO ppm	NO2 ppb	O3 ppb	PM10 uG/m3	PM25 uG/m3	RH %	SO2 ppb	TmpC Deg. C	WDir Deg.	WSpd mph	Pwr V		Comments
Ave	**.265780**	**14.7829**	**23.0388**	**26.0225**	**15.0544**	**65.7439**	**2.81654**	**27.6828**	**197.476**	**2.84573**	**13.2122**	**0**	
Max	1.24	37	29	85	44	89	9	37	360	8.8	13.4	0	
Min	0	0	0	1	1	37	0	22	0	0	12.7	0	
EPAS	**.246780**	**8.05829**	**23.0388**	**27.5225**	**14.5544**	**39.7439**	**2.57654**	**27.6828**	**160.476**	**3.84573**	**13.2122**	**0**	
914032	1.24	37	29	85	94	66	9	37	360	8.8	13.4	0	
	0	0	0	1	1	17	0	17	0	0	12.7	0	
Daily	**.223045**	**7.53563**	**13.3425**	**34.2402**	**17.3379**	**31.0436**	**3.13333**	**31.0482**	**190.163**	**4.10517**	**13.2145**	**0**	
Tue, Jun 11, 2024	1.24	37	29	85	94	66	9	37	360	8.8	13.4	0	
	0	0	0	8	2	17	0	25	0	.8	12.7	0	
Ave Period 1	**.3525**	**9.38333**	**10.0333**	**51.2666**	**18.8833**	**29.0666**	**3.71666**	**29.05**	**236.25**	**4.40166**	**13.195**	**0**	
9:30:00 3/7/24	.6	15	23	67	72	33	9	30	357	8.1	13.4	0	
	.26	2	4	33	10	25	1	28	76	1.7	12.8	0	
Ave Period 1	**.261333**	**9.66666**	**7.03333**	**40.0333**	**17.3**	**24.4833**	**3.4**	**31.1166**	**244.95**	**6.385**	**13.2866**	**0**	
10:30:00 3/7/24	.37	15	18	56	40	26	9	32	353	8.5	13.4	0	
	.11	5	1	22	2	23	0	30	41	4.9	13	0	
Ave Period 1	**.2725**	**9.5**	**15.2333**	**33.8833**	**21.05**	**21.7833**	**2.95**	**31.8333**	**198.183**	**2.24**	**13.2033**	**0**	
11:30:00 3/7/24	.4	16	26	44	30	25	9	33	339	6.8	13.4	0	
	.12	0	5	24	10	20	0	31	102	1	12.8	0	
Ave Period 1	**.248333**	**26.433**	**11.8333**	**29.0166**	**17.9166**	**20.6166**	**2.95**	**33**	**184.716**	**3.425**	**13.245**	**0**	
12:30:00 3/7/24	.4	12	25	37	46	22	7	34	337	6.7	13.4	0	
	.15	1	0	20	11	18	0	32	69	1.4	12.8	0	
Ave Period 1	**.118166**	**21.666**	**12.95**	**27.7666**	**27.6666**	**18.2**	**2.91666**	**33.9666**	**171.633**	**3.68666**	**13.2566**	**0**	
13:30:00 3/7/24	.32	18	25	45	94	20	9	35	250	5.1	13.4	0	
	.03	4	0	22	12	17	0	33	153	2.5	13	0	

Air result (Sensor Graph)

Environmental Report

Start: 6/11/2024 9:00 AM End: 6/12/2024 9:00 AM

Collected by:

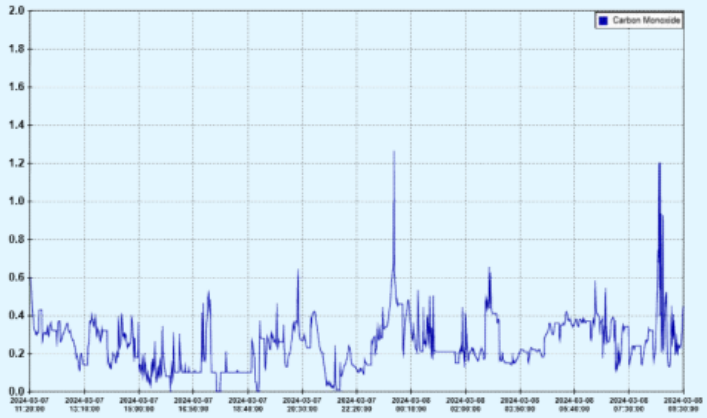
Logger ID 914032 Record Count 1441

Sensor ID

Carbon Monoxide

Range: 0 to 15 ppm

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
0	.265780	1.24	ppm				

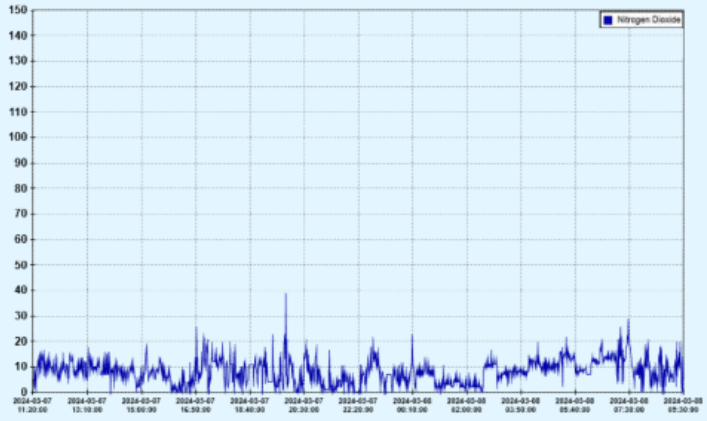


Sensor ID

Nitrogen Dioxide

Range: 0 to 10000 ppb

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
0	14.7829	37	ppb				



Environmental Report

Start: 6/11/2024 9:00 AM End: 6/12/2024 9:00 AM

Collected by:

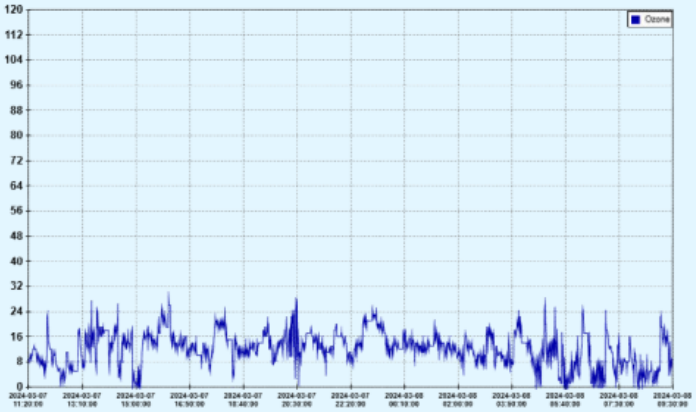
Logger ID 914032 Record Count 1441

Sensor ID

Ozone

Range: 0 to 150 ppb

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
0	23.0388	29	ppb				

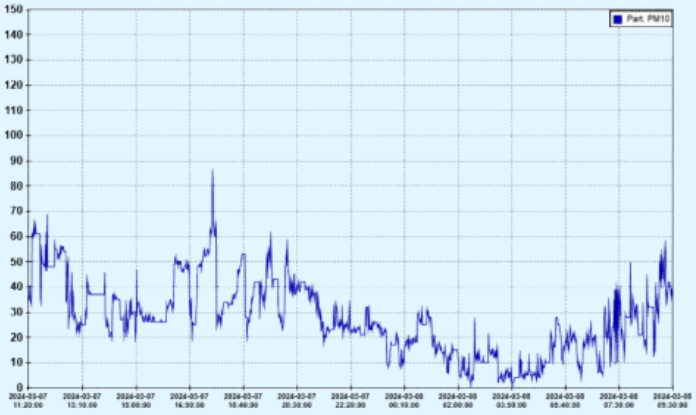


Sensor ID

Part. PM10

Range: 0 to 20000 uG/m3

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
1	26.0225	85	uG/m3				



Environmental Report

tart: 6/11/2024 9:00 AM End: 6/12/2024 9:00 AM

Collected by:

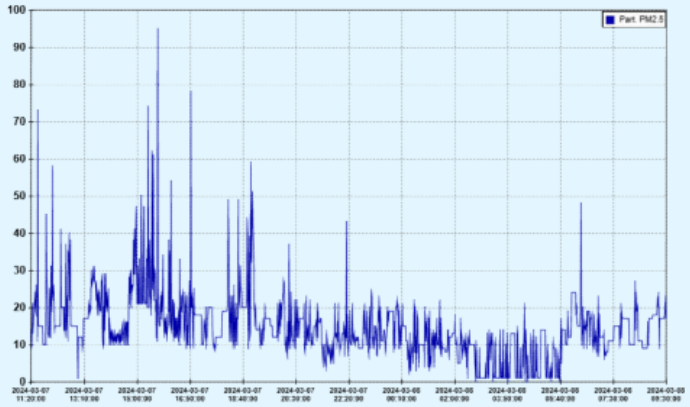
Logger ID 914032 Record Count 1441

Part. PM2.5

Sensor ID

Range: 0 to 20000 uG/m3

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
1	15.0544	94	uG/m3				



Relative Humidity

Sensor ID

Range: 0 to 100 %

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
37	65.7439	89	%				

Environmental Report

Start: 6/11/2024 9:00 AM End: 6/12/2024 9:00 AM

Collected by:

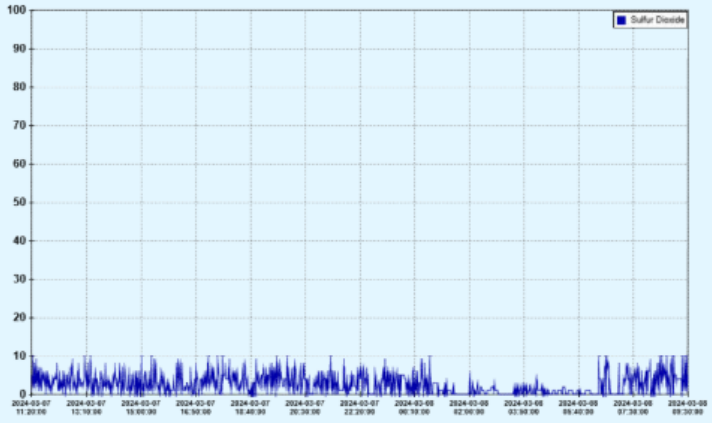
Logger ID 914032 Record Count 1441

Sulfur Dioxide

Sensor ID

Range: 0 to 10000 ppb

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
0	2.81654	9	ppb				

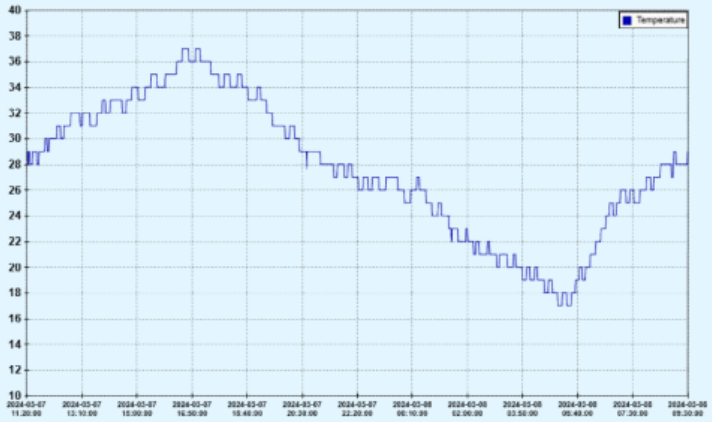


Temperature

Sensor ID

Range: -20 to 60 Deg. C

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
22	27.6828	37	Deg. C				



Environmental Report

Start: 6/11/2024 9:00 AM End: 6/12/2024 9:00 AM

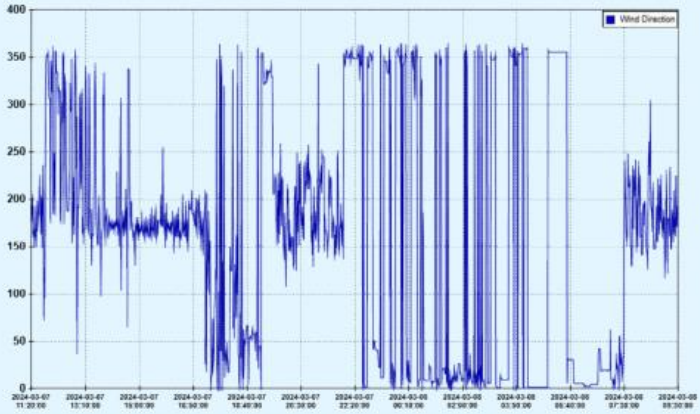
Collected by:

Logger ID 914032 Record Count 1441

W. DIR. **Wind Direction** W. DIR. Sensor ID

Range: 0 to 359 Deg.

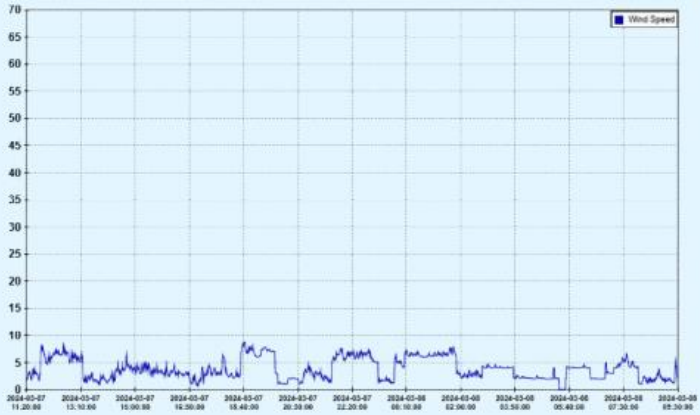
Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
0	197.476	360	Deg.				



W. SPD. **Wind Speed** W. SPD. Sensor ID

Range: 0 to 100 mph

Min	Ave	Max		Hi Limit	% Above Hi	Lo Limit	% Below Lo
0	2.84573	8.8	mph				



Tube well water result

ISO TECH LABORATORY

ISO 9001:2015 Cert. No.688283

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

WTL-RE-001
Issue Date - 01-12-2012
Effective Date - 01-12-2012
Issue No - 1.0/Page 1 of 1

W0624 291

WATER QUALITY TEST RESULTS FORM

Client: Yangon Oscar Fashion Co.,Ltd.
Nature of Water: Tube Well Water
Location: Plot No.173, Block No.113, Phanchatwun U Shwe Ohh Street, East Dagon Industrial Zone, East Dagon, Yangon.
Date and Time of collection: 12.6.2024
Date and Time of arrival at Laboratory: 12.6.2024
Date and Time of commencing examination: 13.6.2024
Date and Time of completing: 15.6.2024

Results of Water Analysis			WHO Drinking Water Guideline (Geneva - 1993)
pH	7.8		6.5 - 8.5
Colour (True)	5	TCU	15 TCU
Turbidity	12	NTU	5 NTU
Conductivity	356	micro S/cm	
Total Hardness	62	mg/l as $CaCO_3$	500 mg/l as $CaCO_3$
Calcium Hardness	42	mg/l as $CaCO_3$	
Magnesium Hardness	20	mg/l as $CaCO_3$	
Total Alkalinity	188	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)	188	mg/l as $CaCO_3$	
Iron	0.47	mg/l	0.3 mg/l
Chloride (as CL)	20	mg/l	250 mg/l
Sodium Chloride (as NaCL)	33	mg/l	
Sulphate (as SO_4)	10	mg/l	500 mg/l
Total Solids	200	mg/l	1500 mg/l
Total Suspended Solids	22	mg/l	
Total Dissolved Solids	178	mg/l	1000 mg/l
Manganese		mg/l	0.05 mg/l
Phosphate		mg/l	
Phenolphthalein Acidity		mg/l	
Methyl Orange Acidity		mg/l	
Salinity		ppt	

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

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

Approved by
Signature:
Name: Thinzar Theint Theint
B.E (Civil)
Assistant Technical Officer
ISO Tech Laboratory

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

Waste water Result

ISO TECH LABORATORY

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

ISO 9001:2015 Cert. No.688283

WTL-RE-002
Issue Date - 01-12-2012
Effective Date - 01-12-2012
Issue No - 1.0/Page 1 of 1

WW0624 109

WASTEWATER QUALITY TEST RESULTS FORM

Client: Yangon Oscar Fashion Co.,Ltd.
Nature of Water: Wastewater (Outlet)
Location: Plot No.173, Block No.113, Phanchatwun U Shwe Ohh Street, East Dagon Industrial Zone, East Dagon, Yangon
Date and Time of collection: 12.6.2024
Date and Time of arrival at Laboratory: 12.6.2024
Date and Time of commencing examination: 13.6.2024
Date and Time of completing: 18.6.2024

Results of Wastewater Analysis

Parameters	Results	
pH	7.3	
Biochemical Oxygen Demand (BOD) (mg/l) (5 days at 20 °C)	30	
Chemical Oxygen Demand (COD) (mg/l)	96	
Dissolved Oxygen (DO) (mg/l)	6.0	
Total Solids (mg/l)		
Total Suspended Solids (mg/l)	68	
Total Dissolved Solids (mg/l)	166	
Nitrate (mg/l)		
Ammonia Nitrogen (NH_3) (mg/l)	1.92	
Ammonium Nitrogen (NH_4) (mg/l)		
Phosphate (mg/l)		

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

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

Approved by
Signature:
Name: Thinzar Theint Theint
B.E (Civil)
Assistant Technical Officer
ISO Tech Laboratory

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

Soil Result

email ပို့.မ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
စိုက်ပျိုးရေး၊ မွေးမြူရေးနှင့် ဆည်မြောင်းဝန်ကြီးဌာန
စိုက်ပျိုးရေးဦးစီးဌာန
(မြေအသုံးချရေးဌာနခွဲ)
ရန်ကုန်မြို့

စာအမှတ်- ခခ- ၂(၁) / ၂၀၃-၂၀၂၄ (၀၄၇)
နေ့စွဲ၊ ၂၀၂၄ခုနှစ်၊ ဇူလိုင်လ (8) ရက်

အကြောင်းအရာ။ **မြေနမူနာ ဓာတ်ခွဲအဖြေများပေးပို့ခြင်း**

ရည်ညွှန်းချက် ။ Yangon Oscar Fashion Co., Ltd မှ (13.6.2024.) နေ့တွင် ပေးပို့သောနမူနာ။

အထက်အကြောင်းအရာပါ ကိစ္စနှင့်ပတ်သက်၍ ရည်ညွှန်းစာဖြင့် ပေးပို့လာသော **မြေနမူနာ (၁- မျိုး)** အား ဓာတ်ခွဲစစ်ဆေးပြီးဖြစ်၍ ဓာတ်ခွဲတွေ့ရှိချက် အဖြေများကို ဤစာနှင့် အတူ ပူးတွဲပေးပို့ပါသည်။

(ဒေါက်တာသန္တာညီ)
ဒုတိယညွှန်ကြားရေးမှူး
ဓာတ်ခွဲခန်းတာဝန်ခံ
မြေအသုံးချရေးဌာနခွဲ

မိတ္တူကို -
ရုံးလက်ခံ။

DEPARTMENT OF AGRICULTURE (LAND USE)

SOIL ANALYTICAL DATA SHEET

Yangon Oscar Fashion Co., Ltd (14.6.2024)

Division - ရန်ကုန်တိုင်းဒေသကြီး။

Township - အရှေ့ဒဂုံမြို့နယ်။

Sheet No. 1

Sr No. S 1 / 2024

Sr No.	Sample	Moisture %	pH Soil:Water 1:2.5	EC Soil:Water 1:5 (mS/cm)	Texture				Organic Carbon %	Organic Matter %	Total N %	Exchangeable Cations (meq/100gm)	Available Nutrients	
					Sand %	Silt %	Clay %	Total %				K^+	P (ppm) (O)	K_2O (mg/100gm)
1	Soil	1.24	7.57	0.08	91.8	2.88	5.32	100	0.30	0.52	0.017	0.32	6.88	15.18

O = Olsen's Method

(ဒေါက်တာသန္တာညီ)

ဒုတိယညွှန်ကြားရေးမှူး

ဓာတ်ခွဲခန်းတာဝန်ခံ

မြေအသုံးချရေးဌာနခွဲ

DEPARTMENT OF AGRICULTURE (LAND USE)

SOIL INTERPREATATION OF RESULTS

Yangon Oscar Fashion Co., Ltd (14.6.2024)

Division - ရန်ကုန်တိုင်းဒေသကြီး။ Sheet No. 2

Township - အရှေ့ဒဂုံမြို့နယ်။ Sr No. S 1 / 2024

Sr No.	Sample	pH	EC	Texture	Organic Matter	Total N	Available Nutrients	
							P	K_2O
1	Soil	Slightly Alkaline	Very Low	Sand	Very Low	Very Low	Low	Medium

(ဒေါက်တာသန္တာညီ)
ဒုတိယညွှန်ကြားရေးမှူး
ဓာတ်ခွဲခန်းတာဝန်ခံ
မြေအသုံးချရေးဌာနခွဲ

APPENDIX C
Relavent Documents

ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်

Certificate of Incorporation

ရန်ကုန်အော်စကာဖက်ရှင် ကုမ္ပဏီ လီမိတက်

YANGON OSCAR FASHION CO., LTD.

Company Registration No. 131815840

မြန်မာနိုင်ငံကုမ္ပဏီများဥပဒေ၂၀၁၇ အရ
ရန်ကုန်အော်စကာဖက်ရှင် ကုမ္ပဏီ လီမိတက်
အား ၂၀၂၁ ခုနှစ် ဒီဇင်ဘာလ ၂၆ ရက်နေ့တွင်
အစုရှယ်ယာအားဖြင့် တာဝန်ကန့်သတ်ထား သည့် အများနှင့်မသက်ဆိုင်သောကုမ္ပဏီ
အဖြစ် ဖွဲ့စည်းမှတ်ပုံတင်ခွင့်ပြုလိုက်သည်။

This is to certify that
YANGON OSCAR FASHION CO., LTD.
was incorporated under the Myanmar Companies Law 2017 on 26 December 2021 as a Private Company Limited by Shares.

ကုမ္ပဏီမှတ်ပုံတင်အရာရှိ
Registrar of Companies
ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန
Directorate of Investment and Company Administration

DICA
Directorate of Investment and Company Administration

DIRECTORATE OF INVESTMENT AND COMPANY ADMINISTRATION

Myanmar Companies Online Registry - Company Extract

Company Name (English)
YANGON OSCAR FASHION CO., LTD.

Company Name (Myanmar)
ရန်ကုန်အော်စကာဖက်ရှင် ကုမ္ပဏီ လီမိတက်

Company Information

Registration Number	Registration Date	Status
131815840	26/12/2021	Registered
Company Type	**Foreign Company**	**Small Company**
Private Company Limited by Shares	Yes	No
Principal Activity	**Date of Last Annual Return**	**Previous Registration Number**
14 - Manufacture of wearing apparel	24/01/2024	-

Addresses

Principal Place Of Business In Union	PHANCHETWUN U SHWE OHH STREET, PLOT NO.173-A, BLOCK NO. 113 EAST DAGON INDUSTRIAL ZONE, EAST DAGON TSP, YANGON REGION, MYANMAR
Registered Office In Union	PHANCHETWUN U SHWE OHH STREET, PLOT NO.173-A, BLOCK NO. 113 EAST DAGON INDUSTRIAL ZONE, EAST DAGON TSP, YANGON REGION, MYANMAR Email Address: myanmardongtaigarments@gmail.com Telephone Number: 09788817880

Officers

Name:	MR. DONG JIXIAN	Type:	DIRECTOR
Date of Appointment:	26/12/2021	Date of Birth:	30/04/1962
Nationality:	CHINA	N.R.C./Passport:	EG3679064
Gender:	MALE	Business Occupation:	MERCHANT
Name:	MR. YU ZHIHUA	Type:	DIRECTOR
Date of Appointment:	26/12/2021	Date of Birth:	06/07/1976
Nationality:	CHINA	N.R.C./Passport:	E81444142
Gender:	MALE	Business Occupation:	MERCHANT
Name:	MS. DONG XUXU	Type:	DIRECTOR
Date of Appointment:	26/12/2021	Date of Birth:	25/04/1986
Nationality:	CHINA	N.R.C./Passport:	EH6153334
Gender:	FEMALE	Business Occupation:	MERCHANT
Name:	MS. XU XIAOPING	Type:	DIRECTOR
Date of Appointment:	26/12/2021	Date of Birth:	28/02/1961
Nationality:	CHINA	N.R.C./Passport:	E56365370
Gender:	FEMALE	Business Occupation:	MERCHANT

Page 1 of 4
EXTRACT GENERATED ON 24/01/2024 AT 11:39

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

စက်မှုဝန်ကြီးဌာန

စက်မှုကြီးကြပ်ရေးနှင့်စစ်ဆေးရေးဦးစီးဌာန

ပုဂ္ဂလိကစက်မှုလုပ်ငန်းမှတ်ပုံတင်လက်မှတ်

စက်မှုမှတ်ပုံတင်အမှတ် ရက/ကြီး/၆၆၈၂ ရက်စွဲ ၁၄ ၊ ၃၊ ၂၀၂၃

လုပ်ငန်းအရွယ်အစား အကြီးစား ပြည်ထောင်စုနယ်မြေ/တိုင်းဒေသကြီး/ပြည်နယ် ရန်ကုန်

အောက်ပါလုပ်ငန်းသည် ပုဂ္ဂလိကစက်မှုလုပ်ငန်း ဥပဒေ ပုဒ်မ ၇ ပုဒ်မခွဲ (ဂ)အရ မှတ်ပုံတင်ပြီး ဖြစ်ပါသည်။

၁။ လုပ်ငန်းအမည် Yangon Oscar Fashion Co.,Ltd CMP စနစ်ဖြင့် အထည်ချုပ်လုပ်ခြင်းလုပ်ငန်း

၂။ လုပ်ငန်းအမျိုးအမည် ဝတ်ဆင်ရန် အထည်များထုတ်လုပ်ခြင်း

၃။ အဓိကကုန်ချောပစ္စည်းအမျိုးအမည် All Kinds of (Coat, Jacket, Jumper, Trousers, Vest, Blazer)

၄။ တည်နေရာလိပ်စာ မြေကွက်အမှတ်(၁၇၃-အေ)၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ မြေတိုင်းရပ်ကွက်အမှတ် (၁၁၃)၊ ဒဂုံအရှေ့စက်မှုဇုန်၊ ဒဂုံမြို့သစ်(အရှေ့ပိုင်း)မြို့နယ်၊ ဒဂုံမြို့သစ်ခရိုင်

၅။ ပိုင်ဆိုင်မှုအမျိုးအစား ကုမ္ပဏီပိုင်

၆။ လုပ်ငန်းရှင်အမည် Mr. Dong, Jixian (M.D)

၇။ ကိုင်ဆောင်သည့်မှတ်ပုံတင်အမှတ် PP No.EG-3679064

၈။ ရင်းနှီးမြှုပ်နှံမှုတန်ဖိုး(ကျပ်) ၄၄၊ ၂၅၀သန်း+USD ၀. ၁၆၁ သန်း တည်ထောင်သည့်ခုနှစ် ၂၀၂၃

၉။ အသုံးပြုသည့်အားအမျိုးအစား ထရန်စဖော်မာ/လျှပ်ထုတ်စက် မြင်းကောင်ရေ ၄၂၉ HP/ ၅၈၆ HP

၁၀။ အလုပ်သမားဦးရေ ၇၁၅ ဦး

၁၁။ မှတ်ပုံတင်သက်တမ်းကုန်ဆုံးသည့်နေ့ရက် ၃၁၊ ၃၊ ၂၀၂၄

သိန်းဆွေ
ညွှန်ကြားရေးမှူးချုပ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
စက်မှုဝန်ကြီးဌာန
စက်မှုကြီးကြပ်ရေးနှင့်စစ်ဆေးရေးဦးစီးဌာန
လျှပ်စစ်စစ်ဆေးရေး
လျှပ်စစ်ဓာတ်အား ထုတ်လုပ်ခြင်း နှင့် အသုံးပြုခြင်းဆိုင်ရာ မှတ်ပုံတင်လက်မှတ်
ခွင့်ပြုမိန့် အမှတ်စဉ် - YD-G (E) - ၇/၂၀၂၃

၁။ ၂၀၁၄ ခုနှစ် လျှပ်စစ်ဥပဒေပုဒ်မ ၃၂ (c) နှင့် တည်ဆဲလျှပ်စစ်ဥပဒေဆိုင်ရာလုပ်ထုံးလုပ်နည်းများအရ Yangon Oscar Fashion Co.,Ltd အထည်ချုပ်လုပ်ငန်းအတွက် တပ်ဆင်ပြီးဖြစ်သော ဒီဇယ်အင်ဂျင် လျှပ်ထုတ်စက်အား အောက်ဖော်ပြပါ နယ်မြေဒေသအတွင်း မှတ်ပုံတင်လက်မှတ် တွင်ပါရှိသော စည်းကမ်းချက်များ နှင့်အညီ ၂၀၂၃ ခုနှစ် ဇူလိုင် လ (၁၈) ရက်နေ့မှစတင်၍ လျှပ်စစ်ဓာတ်အား ထုတ်လုပ်ခြင်းနှင့် အသုံးပြုခြင်းဆိုင်ရာ မှတ်ပုံတင်လက်မှတ်ကို ထုတ်ပေးလိုက်သည်-

(က) ခွင့်ပြုသည့်နယ်မြေဒေသ - အမှတ်(၁၇၃/က)၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း (သဃ)ရပ်ကွက်၊
မြို့နယ် - ဒဂုံမြို့သစ်(အရှေ့ပိုင်း)မြို့နယ်
တိုင်း - ရန်ကုန်တိုင်းဒေသကြီး
(ခ) အများဆုံးထုတ်လုပ်သည့် ဓာတ်အားပမာဏ - 500 kVA
(ဂ) သတ်မှတ်ဗို့အား - 400 V
(ဃ) လျှပ်ထုတ်စက်အမျိုးအစား - GCM500C (GENTURBO))
(c) လျှပ်ထုတ်စက်နံပါတ် - PG2001001901
(စ) အင်ဂျင်အမျိုးအစား - TAL-A47-CJ63/4 (Leroy-Somer)
(ဆ) အင်ဂျင်မြင်းကောင်ရေ - 400 kW
(ဇ) အင်ဂျင်နံပါတ် - 733394001

၂။ ဓာတ်အားထုတ်လုပ်ခြင်း နှင့် အသုံးပြုခြင်းတို့အတွက် အသုံးပြုသော လျှပ်စစ်ပစ္စည်း ကိရိယာတည်ဆောက်မှုဆိုင်ရာ နည်းစနစ်များသည် လျှပ်စစ်ဥပဒေဆိုင်ရာ လုပ်ထုံးလုပ်နည်းများပါ ပြဋ္ဌာန်းချက်များ အရဖြစ်ရမည့်အပြင် စစ်ဆေးရေးမှူး ၏ စစ်ဆေးစမ်းသပ်ခြင်းကို ခံယူရပါမည်။

၃။ လျှပ်စစ်ဥပဒေဆိုင်ရာ လုပ်ထုံးလုပ်နည်းပါ ပြဋ္ဌာန်းချက်များကို တိကျစွာ လိုက်နာဆောင်ရွက်ရမည်။

၄။ လျှပ်စစ်ဥပဒေဆိုင်ရာ လုပ်ထုံးလုပ်နည်းများနှင့် ဤလက်မှတ်တွင်ပါရှိသော အကြောင်းအရာများ ကို လိုက်နာခြင်း မရှိပါက ထုတ်ပေးထားသော လက်မှတ်ကို ပြန်လည် ရုတ်သိမ်းမည်။

၅။ ဤမှတ်ပုံတင်လက်မှတ် သက်တမ်းသည် ခွင့်ပြုသည့်နေ့မှစတင်၍ (၄) နှစ် အချိန်ကာလ အတွင်းသာ အကျိုးသက်ရောက် စေရမည်။

စတင်ခွင့်ပြုသည့်နေ့ - ၁၈ . ၇ . ၂၀၂၃
ကုန်ဆုံးသည့်နေ့ - ၁၇ . ၇ . ၂၀၂၇

လျှပ်စစ်စစ်ဆေးရေးမှူးချုပ် (
ရန်ကုန်တိုင်းဒေသကြီး လျှပ်စစ်စစ်ဆေးရေးမှူး

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

စက်မှုဝန်ကြီးဌာန

ရန်ကုန်တိုင်းဒေသကြီးစက်မှုကြီးကြပ်ရေးနှင့်စစ်ဆေးရေးဦးစီးဌာန

လျှပ်စစ်စစ်ဆေးရေး

လျှပ်စစ်ဓာတ်အား ထုတ်လုပ်ခြင်း နှင့် အသုံးပြုခြင်းဆိုင်ရာ မှတ်ပုံတင်လက်မှတ်

၁။ အမှတ်စဉ် YD-G(E) - ၇/၂၀၂၃ ရက်စွဲ ၁၈.၇.၂၀၂၃

၂။ ပိုင်ရှင်အမည် Mr. Dong Jixian အမျိုးသားမှတ်ပုံတင်အမှတ် EG-3679064

နေရပ်လိပ်စာ အမှတ်(၁၃၇/က)၊ ဖန်ချက်ဝန်ဦးရွှေအိုးလမ်း၊ (၁၁၃)ရပ်ကွက်၊

၃။ ပြည်နယ်/တိုင်း ရန်ကုန် မြို့နယ် ဒဂုံမြို့သစ်(အရှေ့ပိုင်း)

၄။ ပြုလုပ်သူအမည် CHINA နေရပ်

၅။ အလုပ်အမျိုးအမည် Yangon Oscar Fashion Co,Ltd အထည်ချုပ်လုပ်ငန်း

လက်မှတ်ထုတ်ပေးသည့်ရက် ၁၈.၇.၂၀၂၃

လက်မှတ်ကုန်ဆုံးသည့်ရက် ၁၇.၇.၂၀၂၇

ပင်မလည်စက်				လျှပ်ထုတ်စက်			
အမျိုးအစား	မြင်းကောင်ရေ	အပတ်ရေ/မိနစ်	အမြင့်ပေ	ကေဗွီအေ	မို့	စွမ်းအားကိန်း	အပတ်ရေ/မိနစ်
ဒီဇယ် ဓာတ်ဆီရေအား	၃၉ (ကီလိုဝပ်)	၁၅၀၀	-	၄၅	၄၀၀/၂၃၀	၀.၈	၁၅၀၀

တိုင်းလျှပ်စစ်စစ်ဆေးရေးမှူး

(ရန်ကုန်တိုင်းဒေသကြီး)

ဘွိုင်လာယာယီအသုံးပြုခွင့်လက်မှတ်

{ လုပ်ထုံးလုပ်နည်း အပိုဒ် ၆ အပိုဒ်ခွဲ (ဆ) }

စာအမှတ် ၅၁၁ / ၁၃-၂၄ / ဘဝလ / ၁၁၁ - ၇၅(က)

Mr. Dong Ji Xian, Yangon Oscar Fashion Co,Ltd. [illegible]
အမှတ်(၁၈၃/က)၊ [illegible] (၁၁၃၃)၊ [illegible]
ဒဂုံအရှေ့စက်မှုဇုန်၊ ဒဂုံအရှေ့မြို့နယ်၊ ရန်ကုန်တိုင်းဒေသကြီး..........................
.................................အား..
......................................ကုမ္ပဏီ၊.............. တရုတ် .... နိုင်
ထုတ်လုပ်သည့်ဘွိုင်လာအမှတ်... D.ZH.2-1.25-T, 220012 ....ပါသော
သို့မဟုတ်ဘွိုင်လာမှတ်ပုံတင်အမှတ် မ.စ. [illegible] ....ဖြစ်သော [illegible] ဘွိုင်လာကို
ခွင့်ပြုဖိအား..............................ဖြင့်လက်မှတ်ထုတ်ပေးသည့်နေ့မှ (၆)လအသုံးပြုခွင့်ရှိသည်။
ယင်းကာလအပိုင်းအခြား ကျော်လွန်သည့်အခါ ထုတ်ပေးထားသည့် ဤယာယီအသုံးပြုခွင့်
လက်မှတ်ပျက်ပြယ်စေရမည်။

(ကြည်မြ)
ဒုတိယညွှန်ကြားရေးမှူး
(ဘွိုင်လာစစ်ဆေးရေး)
ရန်ကုန်တိုင်းဒေသကြီး

(အောင်ကျော်ဇော)
ဘွိုင်လာစစ်ဆေးရေးမှူး
လက်ထောက်ညွှန်ကြားရေးမှူး
(ဘွိုင်လာစစ်ဆေးရေး)
ရန်ကုန်တိုင်းဒေသကြီး

ရက်စွဲ။ ...၂၈-၁၂-၂၀၂၃.......

မှတ်ချက် ။ ။ ဘွိုင်လာဥပဒေပုဒ်မ ၁၅ ပါပြဌာန်းထားသည့် သက်ဆိုင်ရာအစိုးရဌာန အဖွဲ့
အစည်းက လိုအပ်၍တောင်းဆိုသည့်အခါ ဤလက်မှတ်ကို တင်ပြရမည်။

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

ပြည်ထဲရေးဝန်ကြီးဌာန

မီးသတ်ဦးစီးဌာန

မီးဘေးလုံခြုံရေးစစ်ဆေးထောက်ခံချက်

အမှတ်စဉ်(၄၅၆)

ရက် စွဲ၊ ၂၀၂၂ ခုနှစ်၊ နိုဝင်ဘာလ ၂၁ ရက်

၁။ ရန်ကုန် တိုင်းဒေသကြီး/ပြည်နယ်၊ ဒဂုံမြို့သစ်(အရှေ့ပိုင်း) မြို့နယ်၊ မြေတိုင်းရပ်ကွက်အမှတ်(၁၁၃)၊ ဒဂုံအရှေ့စက်မှုဇုန် ရပ်ကွက်/ကျေးရွာ၊ ဖန်ချက်ဝန်ဦးရွှေအိုး လမ်း အမှတ် (၁၈၃/အေ) ရှိ ပိုင်ရှင် ဦး/ဒေါ် ဒေါ်ကြူကြူ (ခ) ဒေါ်ခင်မမ / ဒေါ်ဖုန်ချိုးမွေး ၏ Steel Structure (၂)ထပ် (လူသုံးကုန်ပစ္စည်းသိုလှောင်ရုံ)၊ Steel Structure (၁)ထပ်(Canteen) Steel Structure(၁)ထပ်(Boiler Room & Store Room)၊ Steel Structure(၂)ထပ် (Dormitory) အဆောက်အဦအတွက် ဤဌာန၏ (၂၉-စ-၂၀၁၉) ရက်စွဲပါစာအမှတ်၊ ၁၆၈၆ /၁၀၀/ ၅၂ / ဦး ၁ ဖြင့်သတ်မှတ်ပေးထားသည့် မီးဘေးလုံခြုံရေးဆိုင်ရာပြဋ္ဌာန်းချက်များအား (၁၅-၁၀-၂၀၂၂) ရက်နေ့တွင် စစ်ဆေးသည့်အခါ ပြည့်စုံစွာဆောင်ရွက်ထားကြောင်း စစ်ဆေးတွေ့ရှိရသည်။

၂။ ဤထောက်ခံချက်သည် စစ်ဆေးသည့်နေ့မှစ၍ (၃)နှစ်အထိသာ အကျုံးဝင်သည်။

၃။ ထို့ပြင် မီးသတ်ဦးစီးဌာနမှ အခါအားလျော်စွာ ထပ်မံစစ်ဆေးချိန်တွင် မီးဘေးလုံခြုံရေးဆိုင်ရာ ပြဋ္ဌာန်းချက်များကို လိုက်နာဆောင်ရွက်ခြင်းမရှိပါက ဤထောက်ခံချက်ကို ပြန်လည်ရုတ်သိမ်းသွားမည်ဖြစ်ပြီး အဆောက်အဦအား အသုံးပြုသူ(သို့မဟုတ်)ပိုင်ရှင်သည် မြန်မာနိုင်ငံမီးသတ်တပ်ဖွဲ့ဥပဒေအရအရေးယူခြင်းခံရမည်။

မှတ်ချက်။ ဤထောက်ခံချက်အား လွှဲပြောင်းသုံးစွဲခြင်းမပြုရ။ အဆောက်အဦအား မူလရည်ရွယ်ချက်မှ ပြောင်းလဲအသုံးပြုပါက ထောက်ခံချက်အသစ် ထပ်မံလျှောက်ထားရမည်။

ညွှန်ကြားရေးမှူးချုပ်(ကိုယ်စား)
(သိန်းထွန်းဦး၊ ညွှန်ကြားရေးမှူး)

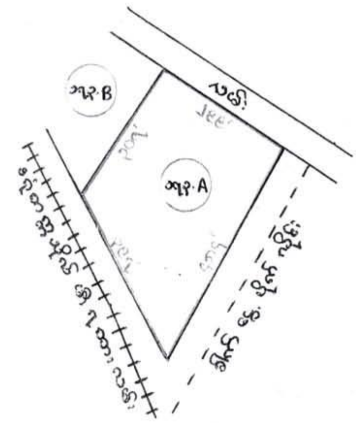
FSC(Way Lin)

- ၆ -

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

ရန်ကုန်မြို့တော်စည်ပင်သာယာရေးကော်မတီ

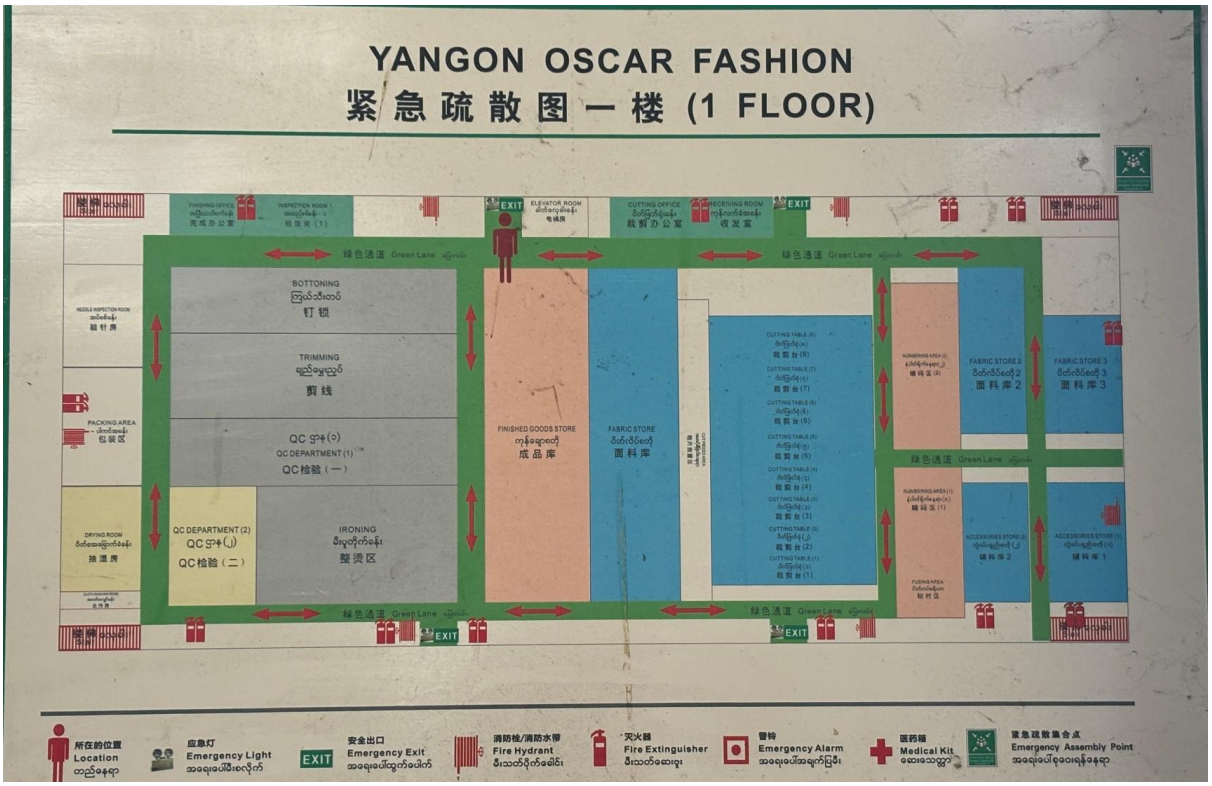
စည်ပင်သာယာရေးကော်မတီ
ရန်ကုန်မြို့တော်



၂၀၂၂ /၂၀၂၃ ခုနှစ်သုံး မြေပုံမှ ရေးကူးပေးသည့် မှန်ကန်ကြောင်း သက်သေခံသည့် မြေငှားဂရန်မြေပုံ
အမည်ပေါက် ၁။ ဒေါ်ကြူကြူ (၁) ခင်မေမေ ၂။ ဒေါ်ဖူနှင်းမွှေး
မြေတိုင်းရပ်ကွက်အမှတ် ၁၁၃
လူနေရပ်ကွက်အမှတ်
မြေကွက်အမှတ် ၁၇၃ A
မြေအမျိုးအစား နှစ်(၆၀)ဂရန်
အလျား ၂၉၉' / ၃၉၇' × အနံ ၃၀၇' / ၄၈၄' ၁၃၀၈၅၅.၈၆ ဧရိယာ ၃ ဧက
မြို့နယ် ဒဂုံဆိပ်ကမ်း
စကေး ၁".၃၀၀'.၀'
ဒဂက/ဂဂ၁၁-၂၀၂၁၀၁၀၅၉၉/၂၀၂၁ ထုတ်ပေးသည့်အမှုတွဲအမှတ် (၉.၁၁.၂၀၂၁)
မြေတိုင်း(၁) မြို့ပြမြေစီမံခန့်ခွဲမှုဌာန
မြေတိုင်း(၁) မြို့ပြမြေစီမံခန့်ခွဲမှုဌာန
A0048241A ဌာနခွဲမှူး(မြေတိုင်း) မြို့ပြမြေစီမံခန့်ခွဲမှုဌာန

၂၀၂၂ / ၂၀၂၃ ခုနှစ်သုံး မြေပုံ/မြို့ မြေစာရင်းမှ ရေးကူးသော ကောက်နုတ်ချက်မိတ္တူမြေပုံ / မြေရာဇဝင်ဖြစ်၍ တိကျမှန်ကန်ကြောင်း ထောက်ခံပါသည်။ (မြို့ပြစီမံကိန်းနှင့် မြေစီမံခန့်ခွဲမှုဌာန)

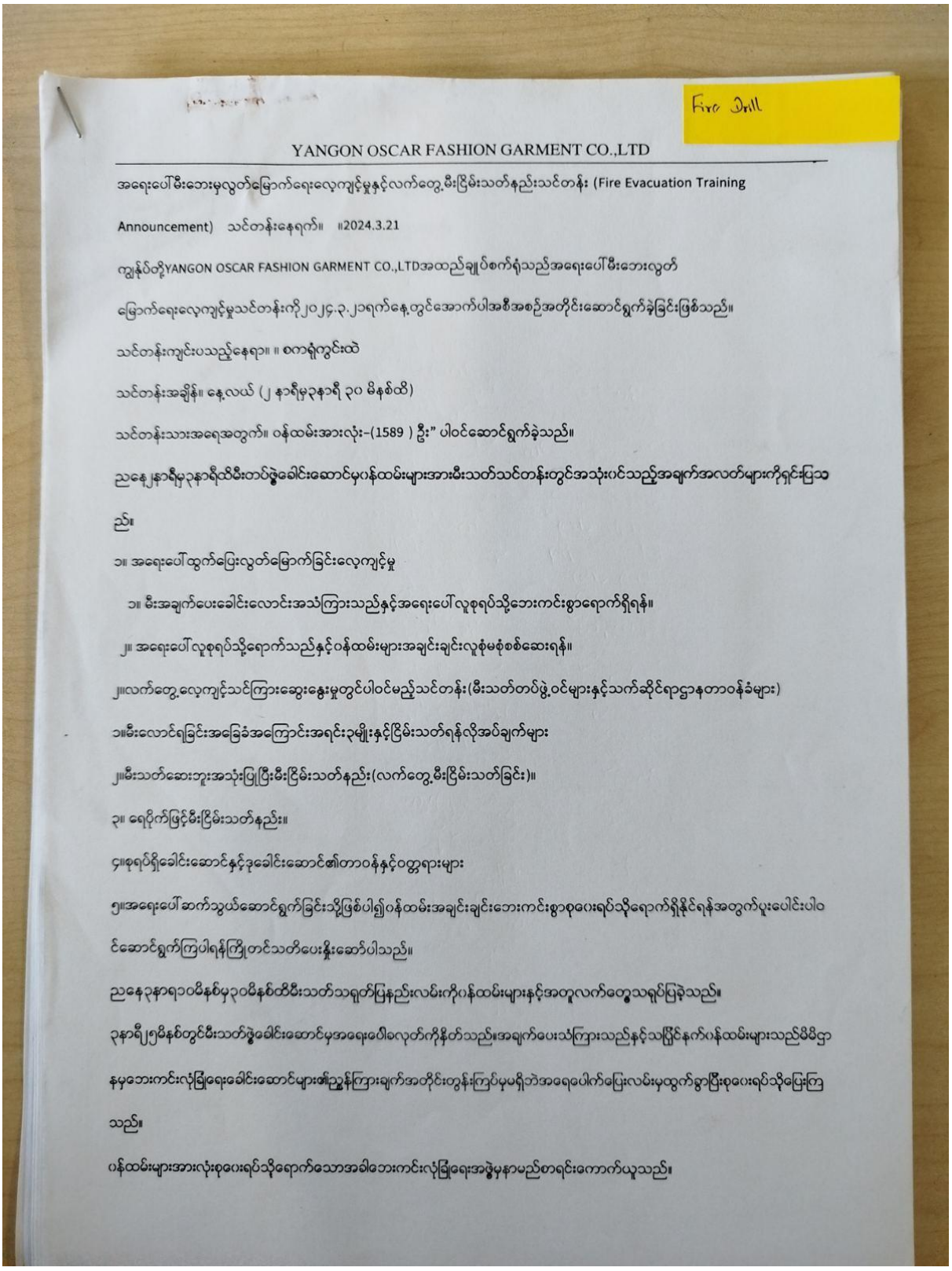
Fire Fighting Drills




YANGON OSCAR FASHION
紧急疏散图二楼 (2 FLOOR)
LINE 16
LINE 15
LINE 14
LINE 13
LINE 12
LINE 11
LINE 10
LINE 9
LINE 8
LINE 7
LINE 6
LINE 5
LINE 4
LINE 3
LINE 2
LINE 1
Emergency Exit
Fire Hydrant
Fire Extinguisher
Emergency Alarm
Medical Kit


FIRE
HOSE
REEL

Fire Fighting Drills



Fire Drill

YANGON OSCAR FASHION GARMENT CO.,LTD

အရေးပေါ်မီးဘေးမှလွတ်မြောက်ရေးလေ့ကျင့်မှုနှင့်လက်တွေ့မီးငြိမ်းသတ်နည်းသင်တန်း (Fire Evacuation Training Announcement) သင်တန်းနေရက်။ ။2024.3.21

ကျွန်ုပ်တို့YANGON OSCAR FASHION GARMENT CO.,LTDအထည်ချုပ်စက်ရုံသည်အရေးပေါ်မီးဘေးလွတ်မြောက်ရေးလေ့ကျင့်မှုသင်တန်းကို ၂၀၂၄.၃.၂၁ရက်နေ့တွင်အောက်ပါအစီအစဉ်အတိုင်းဆောင်ရွက်ခဲ့ခြင်းဖြစ်သည်။

သင်တန်းကျင်းပသည့်နေရာ။ ။ စကရုံကွင်းထဲ

သင်တန်းအချိန်။ နေ့လယ် (၂ နာရီမှ၃နာရီ ၃၀ မိနစ်ထိ)

သင်တန်းသားအရေအတွက်။ ဝန်ထမ်းအားလုံး-(1589) ဦး" ပါဝင်ဆောင်ရွက်ခဲ့သည်။

ညနေ၂နာရီမှ၃နာရီထိမီးတပ်ဖွဲ့ခေါင်းဆောင်မှပန်ထမ်းများအားမီးသတ်သင်တန်းတွင်အသုံးပင်သည့်အချက်အလတ်များကိုရှင်းပြသည်။

၁။ အရေးပေါ်ထွက်ပြေးလွတ်မြောက်ခြင်းလေ့ကျင့်မှု

၁။ မီးအချက်ပေးခေါင်းလောင်းအသံကြားသည်နှင့်အရေးပေါ်လူစုရပ်သို့ဘေးကင်းစွာရောက်ရှိရန်။

၂။ အရေးပေါ်လူစုရပ်သို့ရောက်သည်နှင့်ဝန်ထမ်းများအချင်းချင်းလူစုံမစုံစစ်ဆေးရန်။

၂။လက်တွေ့လေ့ကျင့်သင်ကြားဆွေးနွေးမှုတွင်ပါဝင်မည့်သင်တန်း(မီးသတ်တပ်ဖွဲ့ဝင်များနှင့်သက်ဆိုင်ရာဌာနတာဝန်ခံများ)

၁။မီးလောင်ရခြင်းအခြေခံအကြောင်းအရင်း၃မျိုးနှင့်ငြိမ်းသတ်ရန်လိုအပ်ချက်များ

၂။မီးသတ်ဆေးဘူးအသုံးပြုပြီးမီးငြိမ်းသတ်နည်း(လက်တွေ့မီးငြိမ်းသတ်ခြင်း)။

၃။ ဓရိုက်ဖြင့်မီးငြိမ်းသတ်နည်း။

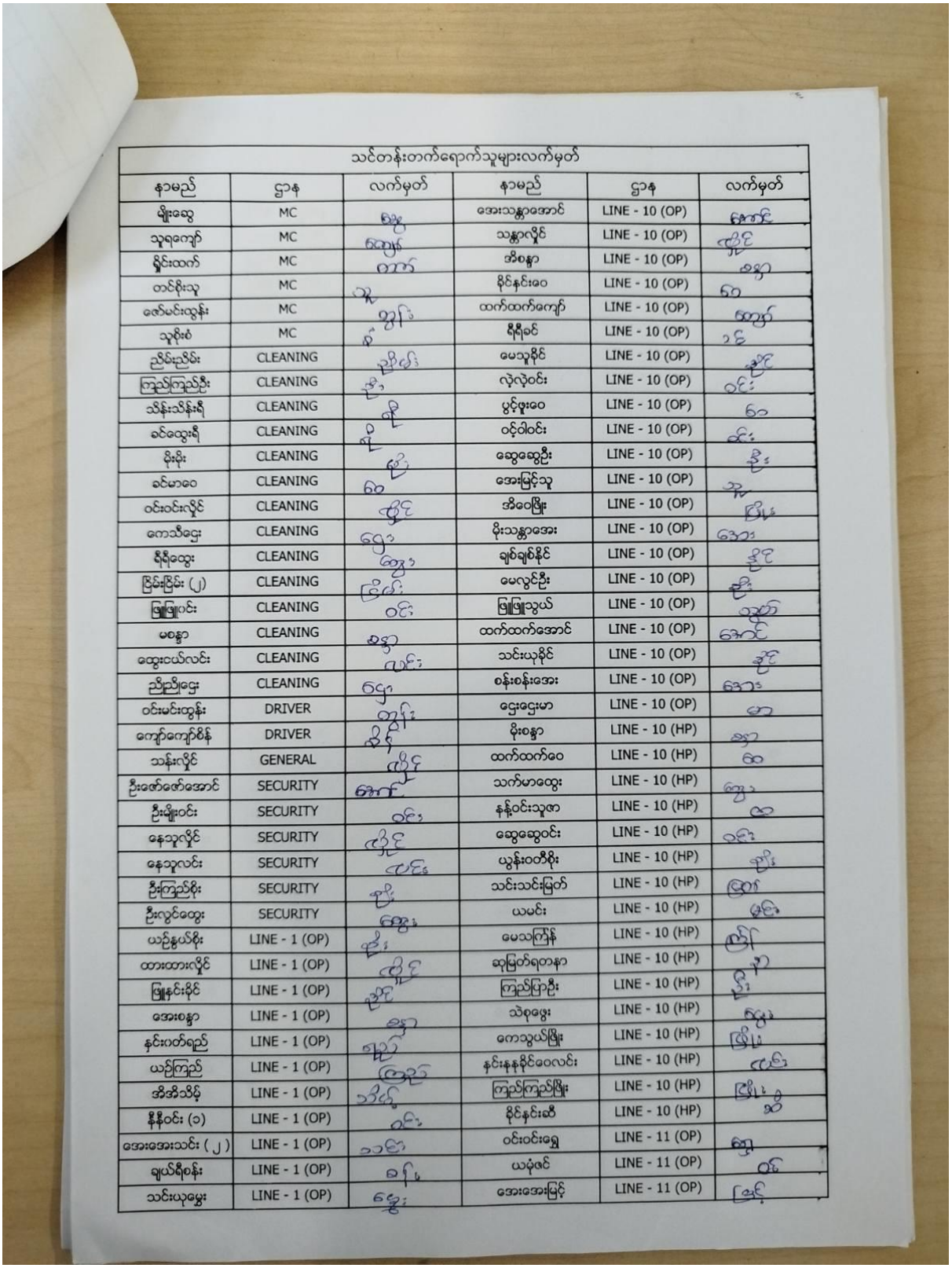
၄။စုရပ်ရှိခေါင်းဆောင်နှင့်ဒုခေါင်းဆောင်၏တာဝန်နှင့်ဝတ္တရားများ

၅။အရေးပေါ်ဆက်သွယ်ဆောင်ရွက်ခြင်းသို့ဖြစ်ပါ၍ဝန်ထမ်းအချင်းချင်းဘေးကင်းစွာစုဝေးရပ်သို့ရောက်ရှိနိုင်ရန်အတွက်ပူးပေါင်းပါဝင်ဆောင်ရွက်ကြပါရန်ကြိုတင်သတိပေးနှိုးဆော်ပါသည်။

ညနေ၃နာရီ၁၀မိနစ်မှ၃၀မိနစ်ထိမီးသတ်သရုတ်ပြနည်းလမ်းကိုပန်ထမ်းများနှင့်အတူလက်တွေ့သရုပ်ပြခဲ့သည်။

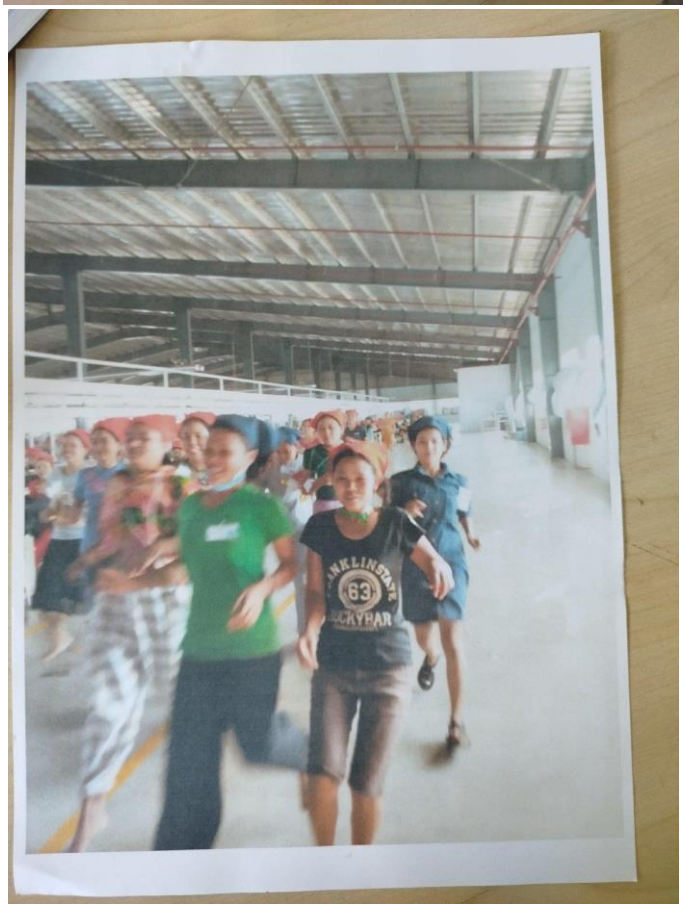
၃နာရီ၅၅မိနစ်တွင်မီးသတ်ဖွဲ့ခေါင်းဆောင်မှအရေးပေါ်ဓလုတ်ကိုနှိတ်သည်။အချက်ပေးသံကြားသည်နှင့်သပြိုင်နက်ပန်ထမ်းများသည်မိမိဌာနမှဘေးကင်းလုံခြုံရေးခေါင်းဆောင်များ၏ဦးန်ကြားချက်အတိုင်းတွန်းကြပ်မှမရှိဘဲအရေးပေါက်ပြေးလမ်းမှထွက်ခွာပြီးစုဝေးရပ်သို့ပြေးကြသည်။

ပန်ထမ်းများအားလုံးစုဝေးရပ်သို့ရောက်သောအခါဘေးကင်းလုံခြုံရေးအဖွဲ့မှနာမည်စာရင်းကောက်ယူသည်။



သင်တန်းတက်ရောက်သူများလက်မှတ်

နာမည်	ဌာန	လက်မှတ်	နာမည်	ဌာန	လက်မှတ်
မျိုးဆွေ	MC		အေးသန္တာအောင်	LINE - 10 (OP)	
သူရဇော်	MC		သန္တာလှိုင်	LINE - 10 (OP)	
ရှိုင်းထက်	MC		အိစန္တာ	LINE - 10 (OP)	
တင်ဝိုးသူ	MC		နိုင်နင်းဝေ	LINE - 10 (OP)	
ဇော်မင်းထွန်း	MC		ထက်ထက်ကျော်	LINE - 10 (OP)	
သူဝိုးစံ	MC		ရီရီခင်	LINE - 10 (OP)	
ညိမ်းညိမ်း	CLEANING		မေသူနိုင်	LINE - 10 (OP)	
ကြည်ကြည်ဦး	CLEANING		လဲ့လဲ့ဝင်း	LINE - 10 (OP)	
သိန်းသိန်းရီ	CLEANING		မွှင့်ဖူးဝေ	LINE - 10 (OP)	
ခင်ထွေးရီ	CLEANING		ဝင့်ဝါဝင်း	LINE - 10 (OP)	
မိုးမိုး	CLEANING		ဆွေဆွေဦး	LINE - 10 (OP)	
ခင်မာဝေ	CLEANING		အေးမြင့်သူ	LINE - 10 (OP)	
ဝင်းဝင်းလှိုင်	CLEANING		အိဝေဖြိုး	LINE - 10 (OP)	
ကေသီဌေး	CLEANING		မိုးသန္တာအေး	LINE - 10 (OP)	
ရီရီထွေး	CLEANING		ချစ်ချစ်နိုင်	LINE - 10 (OP)	
ငြိမ်းငြိမ်း (၂)	CLEANING		မေလွင်ဦး	LINE - 10 (OP)	
ဖြူဖြူဝင်း	CLEANING		ဖြူဖြူသွယ်	LINE - 10 (OP)	
မစန္တာ	CLEANING		ထက်ထက်အောင်	LINE - 10 (OP)	
ထွေးငယ်လင်း	CLEANING		သင်းယုနိုင်	LINE - 10 (OP)	
ညိုညို့ဌေး	CLEANING		စန်းစန်းအေး	LINE - 10 (OP)	
ဝင်းမင်းထွန်း	DRIVER		ဌေးဌေးမာ	LINE - 10 (OP)	
ကျော်ကျော်စိန်	DRIVER		မိုးစန္တာ	LINE - 10 (HP)	
သန်းလှိုင်	GENERAL		ထက်ထက်ဝေ	LINE - 10 (HP)	
ဦးဇော်ဇော်အောင်	SECURITY		သက်မာထွေး	LINE - 10 (HP)	
ဦးမျိုးဝင်း	SECURITY		နန်းဝင်းသူဇာ	LINE - 10 (HP)	
နေသူလှိုင်	SECURITY		ဆွေဆွေဝင်း	LINE - 10 (HP)	
နေသူလင်း	SECURITY		ယွန်းဝတီစိုး	LINE - 10 (HP)	
ဦးကြည်စိုး	SECURITY		သင်းသင်းမြတ်	LINE - 10 (HP)	
ဦးလွင်တွေး	SECURITY		ယမင်း	LINE - 10 (HP)	
ယဉ်နွယ်စိုး	LINE - 1 (OP)		မေသကြိန်	LINE - 10 (HP)	
ထားထားလှိုင်	LINE - 1 (OP)		ဆုမြတ်ရတနာ	LINE - 10 (HP)	
ဖြူနှင်းခိုင်	LINE - 1 (OP)		ကြည်ပြာဦး	LINE - 10 (HP)	
အေးစန္တာ	LINE - 1 (OP)		သဲစုဖွေး	LINE - 10 (HP)	
နှင်းဂတ်ရည်	LINE - 1 (OP)		ကေသွယ်ဖြိုး	LINE - 10 (HP)	
ယဉ်ကြည်	LINE - 1 (OP)		နင်းနနိုင်ဝေလင်း	LINE - 10 (HP)	
အိအိသိမ့်	LINE - 1 (OP)		ကြည်ကြည်ဖြိုး	LINE - 10 (HP)	
နီနီဝင်း (၁)	LINE - 1 (OP)		နိုင်နင်းဆီ	LINE - 10 (HP)	
အေးအေးသင်း (၂)	LINE - 1 (OP)		ဝင်းဝင်းရွှေ	LINE - 11 (OP)	
ချယ်ရီစန်း	LINE - 1 (OP)		ယမုဇင်	LINE - 11 (OP)	
သင်းယုမွှေး	LINE - 1 (OP)		အေးအေးမြင့်	LINE - 11 (OP)	



APPENDIX D
MACHINERY & EQUIPMENTS LIST

Machinery (Brand News) (To be import)

No.	List of Item	HS Code	Unit	Qty	Unit Price (USD)	Total value (USD)
	1	2	3	4	5	6
1.	Auto Single Needle Sewing Machine	8452	pcs	500	200	100000
2.	Sewing Machine with blade	8452	pcs	50	235	11750
3.	Double Needle Sewing Machine	8452	pcs	50	200	10000
4.	Double Needle Lock Stitch Machine	8452	pcs	50	300	15000
5.	Computer Double Needle Sewing Machine	8452	pcs	50	340	17000
6.	Five thread overlocking sewing machine	8452	pcs	60	250	15000
7.	Four thread overlocking sewing machine	8452	pcs	30	250	7500
8.	Three thread overlocking sewing machine	8452	pcs	30	250	7500
9.	Bartack Sewing Machine	8452	set	30	500	15000
10.	Round Head Lock Stitch Machine	8452	pcs	10	350	3500
11.	Overlock Machine	8452	pcs	6	250	1500
12.	Snap Button Machine/ Eye Let Machine	8452	set	40	400	16000
13.	Ironing Machine	8452	pcs	60	200	12000
14.	Long Arm Stitch Machine	8452	pcs	40	350	14000
15.	Fabric Inspection Machine	8452	pcs	2	4000	8000
16.	Electric Knife (Fabric cutter, Fabric knife, Knife controller, Cutter roller rubber)	8452	set	10	500	5000
17.	Fussing Machine	8452	pcs	4	2600	10400
18.	Cut Piping Fabric Machine	8452	pcs	2	8000	16000
19.	Cotton Filling Machine	8452	pcs	10	500	5000
20.	Dehumidifier	8452	pcs	6	500	3000
21.	Stream Generator	8452	pcs	6	5000	30000
22.	Air Compressor	8452	pcs	2	600	1200
23.	Electric Generator (500 KVA)	8402	unit	2	30,000	60000
24.	Needle Detector Machine	8452	pcs	2	4000	8000
25.	BOKE ink Jet Machine	8452	pcs	2	800	1600
26.	Auto Mould Pattern machine	8452	pcs	20	2500	50000
27.	Ink jet Machine	8452	pcs	2	800	1600
28.	Lacer Mould Cutting Machine	8452	pcs	2	8500	17000
29.	Kin roller Machine	8452	pcs	5	300	1500
30.	Kaisai Machine	8452	pcs	5	500	2500
31.	QQ Machine	8452	pcs	3	10,000	30000
32.	Numbering Machine	8452	pcs	10	100	1000
33.	Auto Cutting Machine	8452	pcs	10	4,000	40000
34.	Thread Divider Machine	5208	pcs	5	200	1000
35.	Auto Spreader	8452	Pcs	2	200	400
36.	Scrubbing Machine	8452	u	50	350	17500
37.	Suction Ironing Table	8452	set	60	300	18000
38.	Buttonhole Sewing machine	8452	u	10	750	7500
39.	Buttonhole Attaching machine	8452	u	5	500	2500
40.	Perching Machine	8452	u	1	1000	1000
41.	Cutting Table	8452	u	2	13000	26000
42.	Sewing Auxiliary table	8452	u	50	200	10000
43.	Long Arm Sewing machine	8452	u	10	3000	30000
44.	High speed arm chain stitch two needle machine	8452	u	5	675	3375
45.	12- needle half cylinder type back and forth driving double chain stitch	8452	u	5	350	1750

46.	Fully automatic ribbon cutting machine	8452	u	5	1000	5000
47.	Round Buttonhole machine	8452	u	5	1000	5000
	TOTAL			**1326**		**666,575**

Machinery (Local purchase)

No.	List of Item	Unit	Qty	Unit Price (USD)	Total value (USD)
1.	Boiler (အစာစပ်လောင်စာသုံးဘွိုင်လာ)	u	1	15000	15000
	TOTAL		**1**		**15000**

Motor Vehicles (Local purchase)

No.	List of Item	Unit	Qty	Unit Price (USD)	Total Value (USD)
1.	Light Truck Canter (10ft /14 ft)	no.	2	15,000	30,000
2.	Saloon Car (for Admin)	No.	1	10,000	10,000
	TOTAL		3		**40,000**

Furniture & Fitting (Local purchase)

No.	List of Item	Unit	Qty.	Unit Price (kyat0	Total Value (Kyat)
1.	Air conditioner (2 Hp)	Pcs	10	800,000	8,000,000
2.	Stand Fan	Pcs	20	150,000	3,000,000
3.	Laptop & Computer	set	20	800,000	16,000,000
4.	Printer	No.	5	500,000	2,500,000
5.	Copier	No.	1	3,500,000	3,500,000
6.	Telephone	pcs	10	300,000	3,000,000
7.	Wall Fan	No.	40	200,000	8,000,000
8.	Absorb fan	No.	40	40,000	1,600,000
9.	Cutting Table	No.	30	450,000	13,500,000
10.	Q.C & Finishing Table	No.	30	250,000	7,500,000
11.	Process bench Table	No.	40	80,000	3,200,000
12.	Platform for all section	No.	40	50,000	2,000,000
13.	Operator Seat	No.	700	5,000	3,500,000
14.	Plastic table	No.	200	6,000	1,200,000
15.	Plastic chair(small)	No.	700	2,000	1,400,000
16.	Staff table & chair	set	20	300,000	6,000,000
17.	Meeting Table & Chair	set	1	900,000	900,000
18.	BOD table & chair	set	2	600,000	1,200,000
19.	Desk	No.	10	80,000	800,000
20.	Cupboard	No.	10	300,000	3,000,000
21.	T.V	No.	6	400,000	2,400,000
22.	Sofa settee	set	2	600,000	1,200,000
23.	Stationary	set	20	40,000	800,000
24.	Security Cameras	set	20	50,000	1,000,000
25.	Rest Bed	Set	10	120,000	1,200,000
26.	Water Treatment System	Unit	1	14,600,000	14,600,000
	TOTAL		**1971**		**111,000,000**

APPENDIX E
RAW MATERIALS LIST

Sr.No	Particulars	Unit	Year										
			Yr1	Yr2	Yr3	Yr4	Yr5	Yr6	Yr7	Yr8	Yr9	Yr10	Yr11 To Yr30
1	65%POLYESTER 35%COTTON FABRIC	MTR	5500.00	5600.00	5620.00	5670.00	5770.00	5870.00	6170.00	6270.00	6280.00	6290.00	6300.00
2	65%POLYESTER 35%RAYON FABRIC	MTR	4500.00	4800.00	4820.00	4870.00	4970.00	5070.00	5370.00	5470.00	5480.00	5490.00	5500.00
3	50%POLYESTER 50%COTTON FABRIC	MTR	4700.00	4750.00	4770.00	4820.00	4920.00	5020.00	5320.00	5420.00	5430.00	5440.00	5450.00
4	85%POLYESTER 15%RAYON FABRIC	MTR	3600.00	3640.00	3660.00	3710.00	3810.00	3910.00	4210.00	4310.00	4320.00	4330.00	4340.00
5	68%POLYESTER 32%RAYON FABRIC	MTR	2800.00	2700.00	2720.00	2770.00	2870.00	2970.00	3270.00	3370.00	3380.00	3390.00	3400.00
6	20%POLYESTER 80%COTTON FABRIC	MTR	3500.00	3510.00	3530.00	3580.00	3680.00	3780.00	4080.00	4180.00	4190.00	4200.00	4210.00
7	80%POLYESTER 20%COTTON FABRIC	MTR	3200.00	3300.00	3320.00	3370.00	3470.00	3570.00	3870.00	3970.00	3980.00	3990.00	4000.00
8	21%POLYESTER 79%COTTON FABRIC	MTR	3500.00	3600.00	3620.00	3670.00	3770.00	3870.00	4170.00	4270.00	4280.00	4290.00	4300.00
9	45%POLYESTER 55%COTTON FABRIC	MTR	3600.00	3750.00	3770.00	3820.00	3920.00	4020.00	4320.00	4420.00	4430.00	4440.00	4450.00
10	90%NYLON 10%ELASTAN FABRIC	MTR	4000.00	4100.00	4120.00	4170.00	4270.00	4370.00	4670.00	4770.00	4780.00	4790.00	4800.00
11	69%NYLON 31%POLYESTER FABRIC	MTR	4100.00	4100.00	4120.00	4170.00	4270.00	4370.00	4670.00	4770.00	4780.00	4790.00	4800.00
12	40% POLYESTER 57%COTTON 3%SPANDEX FABRIC	MTR	3500.00	3600.00	3620.00	3670.00	3770.00	3870.00	4170.00	4270.00	4280.00	4290.00	4300.00
13	70%NYLON 23%POLYESTER 7%SPANDEX FABRIC	MTR	3800.00	4000.00	4020.00	4070.00	4170.00	4270.00	4570.00	4670.00	4680.00	4690.00	4700.00
14	89%NYLON 11%SPANDEX FABRIC	MTR	3600.00	3800.00	3820.00	3870.00	3970.00	4070.00	4370.00	4470.00	4480.00	4490.00	4500.00
15	90%NYLON 10%SPANDEX FABRIC	MTR	3500.00	3550.00	3570.00	3620.00	3720.00	3820.00	4120.00	4220.00	4230.00	4240.00	4250.00
16	92%POLYESTER 8%SPANDEX FABRIC	MTR	2800.00	2900.00	2920.00	2970.00	3070.00	3170.00	3470.00	3570.00	3580.00	3590.00	3600.00
17	92% POLYESTER 8%ELASTANE FABRIC	MTR	3200.00	3300.00	3320.00	3370.00	3470.00	3570.00	3870.00	3970.00	3980.00	3990.00	4000.00
18	28%POLYESTER 70%COTTON 2%SPANDEX FABRIC	MTR	3600.00	3650.00	3670.00	3720.00	3820.00	3920.00	4220.00	4320.00	4330.00	4340.00	4350.00
19	65%POLYESTER 30%COTTON 5%SPANDEX FABRIC	MTR	3400.00	3500.00	3520.00	3570.00	3670.00	3770.00	4070.00	4170.00	4180.00	4190.00	4200.00
20	65%VISCOSE 30%POLYAMIDE 5%ELASTANE KNITTED FABRIC	MTR	3400.00	3500.00	3520.00	3570.00	3670.00	3770.00	4070.00	4170.00	4180.00	4190.00	4200.00
21	65% POLYESTER 35%COTTON KNITTED FABRIC	MTR	3100.00	3200.00	3220.00	3270.00	3370.00	3470.00	3770.00	3870.00	3880.00	3890.00	3900.00
22	85% POLYESTER 15%COTTON KNITTED FABRIC	MTR	3200.00	3200.00	3220.00	3270.00	3370.00	3470.00	3770.00	3870.00	3880.00	3890.00	3900.00
23	92% POLYESTER 8%ELASTANE FABRIC	MTR	4300.00	4400.00	4420.00	4470.00	4570.00	4670.00	4970.00	5070.00	5080.00	5090.00	5100.00
24	65%VISCOSE 30%POLYAMIDE 5%ELASTANE KNITTED FABRIC	MTR	2800.00	3000.00	3020.00	3070.00	3170.00	3270.00	3570.00	3670.00	3680.00	3690.00	3700.00
25	55% COTTON 45%POLYESTER KNITTED FABRIC	MTR	2400.00	2500.00	2520.00	2570.00	2670.00	2770.00	3070.00	3170.00	3180.00	3190.00	3200.00
26	51%POLYESTER 36%POLYESTER -RECYCLED 13%NYLON WOVEN FABRIC	MTR	2800.00	3000.00	3020.00	3070.00	3170.00	3270.00	3570.00	3670.00	3680.00	3690.00	3700.00
27	70% POLYESTER 30%WOOL KNITTED FABRIC	MTR	3000.00	3100.00	3120.00	3170.00	3270.00	3370.00	3670.00	3770.00	3780.00	3790.00	3800.00
28	60% POLYESTER 40%WOOL KNITTED FABRIC	MTR	3100.00	3150.00	3170.00	3220.00	3320.00	3420.00	3720.00	3820.00	3830.00	3840.00	3850.00
29	85% POLYESTER 15%WOOL KNITTED FABRIC	MTR	2500.00	2600.00	2620.00	2670.00	2770.00	2870.00	3170.00	3270.00	3280.00	3290.00	3300.00

30	60% POLYESTER 40%WOOL KNITTED FABRIC	MTR	2500.00	2550.00	2570.00	2620.00	2720.00	2820.00	3120.00	3220.00	3230.00	3240.00	3250.00
31	90%POLYESTER 10%WOOL WOVEN FABRIC	MTR	4300.00	4400.00	4420.00	4470.00	4570.00	4670.00	4970.00	5070.00	5080.00	5090.00	5100.00
32	100%RECYCLED-POLYESTER WOVEN FABRIC	MTR	3500.00	3600.00	3620.00	3670.00	3770.00	3870.00	4170.00	4270.00	4280.00	4290.00	4300.00
33	55%COTTON 43%POLYESTER 2%SPANDEX FABRIC	MTR	3800.00	3900.00	3920.00	3970.00	4070.00	4170.00	4470.00	4570.00	4580.00	4590.00	4600.00
34	100%POLYESTER FABRIC	MTR	4500.00	4600.00	4620.00	4670.00	4770.00	4870.00	5170.00	5270.00	5280.00	5290.00	5300.00
35	100%NYLON FABRIC	MTR	4600.00	4650.00	4670.00	4720.00	4820.00	4920.00	5220.00	5320.00	5330.00	5340.00	5350.00
36	100%COTTON FABRIC	MTR	4800.00	4900.00	4920.00	4970.00	5070.00	5170.00	5470.00	5570.00	5580.00	5590.00	5600.00
37	100% POLYAMIDE FABRIC	MTR	3500.00	3600.00	3620.00	3670.00	3770.00	3870.00	4170.00	4270.00	4280.00	4290.00	4300.00
38	65% POLYESTER 35% COTTON T/C DYED FABRIC	MTR	3800.00	3900.00	3920.00	3970.00	4070.00	4170.00	4470.00	4570.00	4580.00	4590.00	4600.00
39	65% POLYESTER 35% PUUVILLA FABRIC	MTR	4200.00	4300.00	4320.00	4370.00	4470.00	4570.00	4870.00	4970.00	4980.00	4990.00	5000.00
40	T/C DYED 65%PLYESTER 35%COTTON FABRIC	MTR	4000.00	4100.00	4120.00	4170.00	4270.00	4370.00	4670.00	4770.00	4780.00	4790.00	4800.00
41	T/C DYED 100%COTTON FABRIC	MTR	3800.00	3900.00	3920.00	3970.00	4070.00	4170.00	4470.00	4570.00	4580.00	4590.00	4600.00
42	T/R DYED 65%PLYESTER 35%RAYON FABRIC	MTR	3500.00	3600.00	3620.00	3670.00	3770.00	3870.00	4170.00	4270.00	4280.00	4290.00	4300.00
	TOTAL	MTR	151800.00	155800.00	156640.00	158740.00	162940.00	167140.00	179740.00	183940.00	184360.00	184780.00	185200.00
43	INTERLINING 100%PLYESTER	MTR	4000.00	4010.00	4110.00	4210.00	4510.00	4610.00	4710.00	4810.00	4910.00	5010.00	5210.00
44	LINING 100%POLYESTER FABRIC	MTR	4200.00	4210.00	4310.00	4410.00	4710.00	4810.00	4910.00	5010.00	5110.00	5210.00	5410.00
45	100%POLYESTER WOVEN FABRIC	MTR	3500.00	3510.00	3610.00	3710.00	4010.00	4110.00	4210.00	4310.00	4410.00	4510.00	4710.00
46	100%RECYCLED-POLYESTER WOVEN FABRIC	MTR	3100.00	3110.00	3210.00	3310.00	3610.00	3710.00	3810.00	3910.00	4010.00	4110.00	4310.00
47	ARTIFICIAL WOOL 100% POLYESTER / (FAKE)	MTR	300.00	310.00	410.00	510.00	810.00	910.00	1010.00	1110.00	1210.00	1310.00	1510.00
48	ARTIFICIAL LEATHER 45%POLYURETHANE 55%POLYESTER FABRIC	MTR	2000.00	2010.00	2110.00	2210.00	2510.00	2610.00	2710.00	2810.00	2910.00	3010.00	3210.00
49	QUILTING 100%PLYESTER FABRIC	MTR	2800.00	2810.00	2910.00	3010.00	3310.00	3410.00	3510.00	3610.00	3710.00	3810.00	4010.00
50	SPONGE 100%PLYESTER	MTR	2800.00	2810.00	2910.00	3010.00	3310.00	3410.00	3510.00	3610.00	3710.00	3810.00	4010.00
51	PADDING 100%POLYESTER	MTR	2600.00	2610.00	2710.00	2810.00	3110.00	3210.00	3310.00	3410.00	3510.00	3610.00	3810.00
52	NEEDLE PUNCHED FABRIC 100%COTTON	MTR	2200.00	2210.00	2310.00	2410.00	2710.00	2810.00	2910.00	3010.00	3110.00	3210.00	3410.00
53	RIB FABRICT 100%PLYESTER	MTR	2400.00	2410.00	2510.00	2610.00	2910.00	3010.00	3110.00	3210.00	3310.00	3410.00	3610.00
54	KNITTED DYED 92%POLYESTER 8%SPANDEX FABRIC	MTR	2600.00	2610.00	2710.00	2810.00	3110.00	3210.00	3310.00	3410.00	3510.00	3610.00	3810.00
55	KNITTED MESH CIOTH 100%PLYESTER	MTR	3500.00	3510.00	3610.00	3710.00	4010.00	4110.00	4210.00	4310.00	4410.00	4510.00	4710.00
56	POCKET CLOTH 100% POLYESTER	MTR	3200.00	3210.00	3310.00	3410.00	3710.00	3810.00	3910.00	4010.00	4110.00	4210.00	4410.00
57	COATED LINING CLOTH	MTR	4100.00	4110.00	4210.00	4310.00	4610.00	4710.00	4810.00	4910.00	5010.00	5110.00	5310.00
58	LINING TAFFETA 100%PLYESTER	MTR	3500.00	3510.00	3610.00	3710.00	4010.00	4110.00	4210.00	4310.00	4410.00	4510.00	4710.00
59	POLYESTER TAFFETA 100% POLYESTER	MTR	3600.00	3610.00	3710.00	3810.00	4110.00	4210.00	4310.00	4410.00	4510.00	4610.00	4810.00
60	NO PLASTIC LINING 100%PLYESTER	MTR	3000.00	3010.00	3110.00	3210.00	3510.00	3610.00	3710.00	3810.00	3910.00	4010.00	4210.00
61	100%POLYAMIDE WITH POLYURETHANNE Membrane Fabric	MTR	3200.00	3210.00	3310.00	3410.00	3710.00	3810.00	3910.00	4010.00	4110.00	4210.00	4410.00

62	PE COTTON	MTR	3900.00	3910.00	4010.00	4110.00	4410.00	4510.00	4610.00	4710.00	4810.00	4910.00	5110.00
	TOTAL	MTR	60500.00	60700.00	62700.00	64700.00	70700.00	72700.00	74700.00	76700.00	78700.00	80700.00	84700.00
63	SHOULDER PAG	SET	2500.00	800.00	810.00	910.00	1210.00	1310.00	1410.00	1510.00	1610.00	1710.00	1910.00
64	VELCRO	MTR	2100.00	2104.00	2114.00	2214.00	2514.00	2614.00	2714.00	2814.00	2914.00	3014.00	3214.00
65	ROPE	MTR	2100.00	2104.00	2114.00	2214.00	2514.00	2614.00	2714.00	2814.00	2914.00	3014.00	3214.00
66	WAVED BELT	MTR	1800.00	1804.00	1814.00	1914.00	2214.00	2314.00	2414.00	2514.00	2614.00	2714.00	2914.00
67	SEAM TAPE	MTR	2200.00	2204.00	2214.00	2314.00	2614.00	2714.00	2814.00	2914.00	3014.00	3114.00	3314.00
68	HEAT-SHRINKABLE TUBINGS	MTR	1800.00	1804.00	1814.00	1914.00	2214.00	2314.00	2414.00	2514.00	2614.00	2714.00	2914.00
69	ELASTIC BELT	MTR	1600.00	1604.00	1614.00	1714.00	2014.00	2114.00	2214.00	2314.00	2414.00	2514.00	2714.00
70	PACKING BELT	MTR	1500.00	1504.00	1514.00	1614.00	1914.00	2014.00	2114.00	2214.00	2314.00	2414.00	2614.00
71	REFLECTIVE TAPE	MTR	2000.00	2004.00	2014.00	2114.00	2414.00	2514.00	2614.00	2714.00	2814.00	2914.00	3114.00
72	CORD	MTR	1500.00	1504.00	1514.00	1614.00	1914.00	2014.00	2114.00	2214.00	2314.00	2414.00	2614.00
73	PU LOOP	PCS	5000.00	5002.00	5012.00	5112.00	5412.00	5512.00	5612.00	5712.00	5812.00	5912.00	6112.00
74	HANG TAGS STRING	PCS	4000.00	4050.00	4060.00	4160.00	4460.00	4560.00	4660.00	4760.00	4860.00	4960.00	5160.00
75	HANG TAGS	PCS	4000.00	4050.00	4060.00	4160.00	4460.00	4560.00	4660.00	4760.00	4860.00	4960.00	5160.00
76	HOOK RING	PCS	3500.00	3550.00	3560.00	3660.00	3960.00	4060.00	4160.00	4260.00	4360.00	4460.00	4660.00
77	SNAP	PR	8000.00	3600.00	3800.00	3900.00	4200.00	4300.00	4400.00	4500.00	4600.00	4700.00	4900.00
78	EYELET	PR	3500.00	1900.00	1905.00	2005.00	2305.00	2405.00	2505.00	2605.00	2705.00	2805.00	3005.00
79	END STOPPER	PR	2600.00	2020.00	2060.00	2160.00	2460.00	2560.00	2660.00	2760.00	2860.00	2960.00	3160.00
80	RIVET	PR	2100.00	2200.00	2210.00	2310.00	2610.00	2710.00	2810.00	2910.00	3010.00	3110.00	3310.00
81	JEAN BUTTON	PR	2000.00	2020.00	2050.00	2150.00	2450.00	2550.00	2650.00	2750.00	2850.00	2950.00	3150.00
82	HOOK	PR	1500.00	420.00	430.00	530.00	830.00	930.00	1030.00	1130.00	1230.00	1330.00	1530.00
83	SEWING THREAD	PCS	3200.00	3205.00	3210.00	3310.00	3610.00	3710.00	3810.00	3910.00	4010.00	4110.00	4310.00
84	ZIPPER	PCS	4200.00	4205.00	4210.00	4310.00	4610.00	4710.00	4810.00	4910.00	5010.00	5110.00	5310.00
85	ZIPPER PULLER	PCS	3000.00	1510.00	1515.00	1615.00	1915.00	2015.00	2115.00	2215.00	2315.00	2415.00	2615.00
86	BUTTON	PCS	3000.00	3005.00	3010.00	3110.00	3410.00	3510.00	3610.00	3710.00	3810.00	3910.00	4110.00
87	SPARE BUTTON BAG	PCS	2500.00	2505.00	2510.00	2610.00	2910.00	3010.00	3110.00	3210.00	3310.00	3410.00	3610.00
88	LABEL (Main,chest,Size,wash,Care)	PCS	5000.00	2520.00	2530.00	2630.00	2930.00	3030.00	3130.00	3230.00	3330.00	3430.00	3630.00
89	STICKER	PCS	1500.00	1120.00	1230.00	1330.00	1630.00	1730.00	1830.00	1930.00	2030.00	2130.00	2330.00
90	HEAT PRINT	PCS	1000.00	910.00	915.00	1015.00	1315.00	1415.00	1515.00	1615.00	1715.00	1815.00	2015.00
91	PLASTIC BEAD	PCS	1200.00	1120.00	1230.00	1330.00	1630.00	1730.00	1830.00	1930.00	2030.00	2130.00	2330.00
92	WASHER	PCS	2000.00	1520.00	1540.00	1640.00	1940.00	2040.00	2140.00	2240.00	2340.00	2440.00	2640.00
93	GASKET	PCS	900.00	810.00	810.00	910.00	1210.00	1310.00	1410.00	1510.00	1610.00	1710.00	1910.00
94	THE WHITE PENCIL	PCS	1200.00	1610.00	1620.00	1720.00	2020.00	2120.00	2220.00	2320.00	2420.00	2520.00	2720.00

95	TAILOR'S CHALK	PCS	1500.00	1610.00	1620.00	1720.00	2020.00	2120.00	2220.00	2320.00	2420.00	2520.00	2720.00
96	PLASTIC PIN	PCS	1200.00	1200.00	1310.00	1410.00	1710.00	1810.00	1910.00	2010.00	2110.00	2210.00	2410.00
97	POLY BAG	PCS	3500.00	1520.00	1530.00	1630.00	1930.00	2030.00	2130.00	2230.00	2330.00	2430.00	2630.00
98	CARTON BOX	PCS	1000.00	910.00	915.00	1015.00	1315.00	1415.00	1515.00	1615.00	1715.00	1815.00	2015.00
99	COPY PAPER	PCS	3500.00	3505.00	3510.00	3610.00	3910.00	4010.00	4110.00	4210.00	4310.00	4410.00	4610.00
100	PAPER TUBE	PCS	2000.00	500.00	500.00	600.00	900.00	1000.00	1100.00	1200.00	1300.00	1400.00	1600.00
101	SILICA GEL	PCS	4000.00	4005.00	4010.00	4110.00	4410.00	4510.00	4610.00	4710.00	4810.00	4910.00	5110.00
102	RING	PCS	2500.00	1100.00	1150.00	1250.00	1550.00	1650.00	1750.00	1850.00	1950.00	2050.00	2250.00
103	BOX TAPE	PCS	2500.00	2505.00	2510.00	2610.00	2910.00	3010.00	3110.00	3210.00	3310.00	3410.00	3610.00
104	HANGER	PCS	2500.00	2505.00	2510.00	2610.00	2910.00	3010.00	3110.00	3210.00	3310.00	3410.00	3610.00
105	PADDING	KG	5000.00	5100.00	5010.00	5110.00	5410.00	5510.00	5610.00	5710.00	5810.00	5910.00	6110.00

APPENDIX F
EIA License

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 (အဖွဲ့အစည်း)

Environmental Impact Assessment License (Organization)

Environmental Assessment Services Co., Ltd.ကုမ္ပဏီမှတ်ပုံတင်အမှတ်- ၁၀၂၅၄၄၆၃ အား **အကြံပေးအဖွဲ့ အမျိုးအစား**(ခ) အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦး ပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့်အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that **Environmental Assessment Services Co., Ltd.**, Registration No. 102544463 has fulfilled the requirements for obtaining an Environmental Impact Assessment License to conduct as a **Consulting Organization Type (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)002/2024
ထုတ်ပေးသည့် ရက်စွဲ Date of Issue	: 31-7-2024
ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry	: 30-7-2027

(သိန်းတိုး)

ညွှန်ကြားရေးမှူးချုပ်

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 (ပုဂ္ဂိုလ်)

Environmental Impact Assessment License (Individual)

ဦးသန့်ဇင်၊ ၈/ပခက(နိုင်)၂၇၀၄၆၀ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့် အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that **U Thant Zin, 8/PaKhaKa(N)270460** 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. **ဂေဟစနစ်နှင့် ဇီဝမျိုးစုံမျိုးကွဲ** (Ecology and Biodiversity)
3. **သဘာဝသယံဇာတစီမံအုပ်ချုပ်ခြင်း (သစ်တော)**(Natural Resources Management (Foresty))
4. **လေထုညစ်ညမ်းမှုစောင့်ကြပ်ကြည့်ရှုခြင်း** (Air Pollution Monitoring)
5.

လိုင်စင်နံပါတ် License Number	: EIA-AC 023/2023(ထပ်တိုး)
ထုတ်ပေးသည့် ရက်စွဲ Date of Issue	: 1-12-2023
ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry	: 30-11-2026

(သိန်းတိုး)

ညွှန်ကြားရေးမှူးချုပ်

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 (ပုဂ္ဂိုလ်)
Environmental Impact Assessment License (Individual)

ဒေါက်တာကျော်စိုး၊ ၁၁/သတန(နိုင်)၀၄၆၀၁၀ အား တွဲဖက်အကြံပေးပုဂ္ဂိုလ် အဖြစ် လုပ်ကိုင်ဆောင်ရွက်ရန် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်းဆိုင်ရာ လုပ်ငန်းလိုင်စင်ကို ကနဦးပတ်ဝန်းကျင်ဆန်းစစ်ခြင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ခြင်း ပြုလုပ်သည့် တတိယပုဂ္ဂိုလ် သို့မဟုတ် အဖွဲ့အစည်း လုပ်ငန်းလိုင်စင်ဆိုင်ရာ လုပ်ထုံးလုပ်နည်းနှင့်အညီ ဤဝန်ကြီးဌာန၏ အတည်ပြုချက်ဖြင့် ထုတ်ပေးလိုက်သည်။

It is hereby issued that **Dr.Kyaw Soe, 11/ThaTaNa(N)046010** 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. **အထွေထွေပတ်ဝန်းကျင်စီမံခန့်ခွဲခြင်း (General Environmental Management)3.**
2.
3.

လိုင်စင်နံပါတ် License Number	: EIA-AC 040/2023
ထုတ်ပေးသည့် ရက်စွဲ Date of Issue	: 1-12-2023
ကုန်ဆုံးသည့် ရက်စွဲ Date of Expiry	: 30-11-2026

(သိန်းတိုး)
ညွှန်ကြားရေးမှူးချုပ်