

**GOVERNMENT OF THE REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF NATURAL RESOURCES AND ENVIRONMENTAL CONSERVATION
ENVIRONMENTAL CONSERVATION DEPARTMENT**

Nay Pyi Taw



ENVIRONMENTAL COMPLIANCE CERTIFICATE

For

**MYINT & ASSOCIATES OFFSHORE SUPPLY BASE
PROJECT EIA REPORT**

Date. 24th April 2019



ENVIRONMENTAL COMPLIANCE CERTIFICATE
For
MYINT & ASSOCIATES OFFSHORE SUPPLY BASE
PROJECT EIA REPORT
ECC(2 /2019)



PROPONENT

Project Proponent Name : Myint & Associates Offshore Supply Base Ltd (M&AOSB)

Contact person of Project Proponent : U Myo Tin
Group General Manager,
Myint & Associates Offshore Supply Base Ltd (M&AOSB)

Project Proponent address for correspondence : Vantage Tower, Pyay Road,
Kamayut Township, 11041
Yangon, Myanmar

Telephone (fixed/mobile) : +95 1 230 7722

Fax : +95 1 230 7720

Email address : esiafeedback@myintassociatesosb.com

PROJECT

Project Title	:	Myint & Associates Offshore Supply Base Project		
New / Existing development	:	<input checked="" type="checkbox"/> New Project <input type="checkbox"/> Modification, amendment or upgrading project		
Project Location (Address)	:	The proposed location is near Nga Yoke Kaung Bay in Ayeyarwady Region which is approximately 40 km south of the town of Ngwe Saung.		
Longitude/ Latitude of the project	:	Points No.	Latitude (N)	Longitude (E)
		1	16°32'26.52"	94°16'33.34"
		2	16°32'18.30"	94°16'42.39"
		3	16°32' 7.84"	94°17' 1.33"
		4	16°32'24.86"	94°17'11.58"
		5	16°32'34.90"	94°17'6.47"
		6	16°32'36.66"	94°16'53.61"
		7	16°32'50.37"	94°16'52.30"
		8	16°33'12.72"	94°16'51.98"
		9	16°33'13.48"	94°16'38.94"
		10	16°32'46.38"	94°16'26.90"
Size and scale of project components	:	The project covers the Phase 1 - the project is 12.1 ha (onshore) and 1.2 ha (offshore) and the Phase 2 – the phase 1 area is expanded up to 50 ha onshore.		
EIA Report	:	Myint & Associates Offshore Supply Base Project EIA Report February 2019		
Reference No. for EIA Report	:	1) (Forestry)3(2)/16(D)(622/2019) dated on 14th February 2019 by MONREC 2) M&AOSAB/LET-022/19 dated on 6 th February 2019 by Myint & Associates Offshore Supply Base Ltd		
ECC coverage	:	The ECC covers approval for Phase 1 - the project is 12.1 ha (onshore) and 1.2 ha (offshore) Phase 2 - the phase 1 area is expanded up to 50 ha onshore. The Project Proponent shall notify to ECD in case of major changes in size, scope, location, layout, technology, or an expansion or second phase development is proposed as per Article 95 of the Myanmar EIA Procedure.		

CONDITIONS

Pursuant to the Environmental Conservation Law (No. 9/2012) and the Environmental Impact Assessment Procedure (EIA) (No. 616/2015), the EIA report is approved and this Environmental Compliance Certificate (ECC) is granted to the Project Proponent referred to in Schedule 1 subject to the conditions attached to this document in Schedule 2.

The objectives of this ECC are to:

- i. prevent, minimize, and/or offset adverse environmental and social impacts;
- ii. confirm the Project commitments and obligations of the project proponent;
- iii. set standards and performance measures for acceptable environmental performance;
- iv. perform regular monitoring and reporting; and
- v. provide for the ongoing environmental management of the Project.

Hla Maung Thein
24.4.2019

(Hla Maung Thein)

Director General

Environmental Conservation Department

Ministry of Natural Resources and Environmental Conservation

Date: 24.4.2019

Schedule 1

Part A – Project Proponent

Part B – Project Description

Part A – Project Proponent

Project Proponent Name : Myint & Associates Offshore Supply Base Ltd (M&AOSB)

Contact person of Project Proponent : U Myo Tin
Group General Manager,
Myint & Associates Offshore Supply Base Ltd (M&AOSB)

Tel : +95 1 230 7722

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Email address : esiafeedback@myintassociatesosb.com

Part B – Project Description

- Project Title : Myint & Associates Offshore Supply Base Project
- New / Existing development : New Project
 Modification, amendment or upgrading project
- Project Location (Address) : The proposed location is near Nga Yoke Kaung Bay in Ayeyarwady Region which is approximately 40 km south of the town of Ngwe Saung.
- | Longitude/
Latitude of the project | Points No. | Latitude (N) | Longitude (E) |
|---------------------------------------|------------|--------------|---------------|
| | 1 | 16°32'26.52" | 94°16'33.34" |
| | 2 | 16°32'18.30" | 94°16'42.39" |
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| | 9 | 16°33'13.48" | 94°16'38.94" |
| | 10 | 16°32'46.38" | 94°16'26.90" |
- Size and scale of project components : The project covers the Phase 1 - the project is 12.1 ha (onshore) and 1.2 ha (offshore) and the Phase 2 – the phase 1 area is expanded up to 50 ha onshore.

Project Activities

The Proposed Project consists of the following activities in construction phase:

Offshore Activities

The offshore activities include construction of:

- i. an access bridge
- ii. jetty
- iii. an access channel

Onshore Activities

The onshore activities include construction of:

- i. site preparations (such as site clearing, soil improvement and other earthworks)
- ii. temporary labour shelters, temporary fencing
- iii. temporary water supply and lighting.
- iv. open concrete yards for warehouse and container stacking
- v. access road
- vi. tunnel access on beach

The Proposed Project consists of the following main activities in operation phase:

- i. **Liquid Mud plant**
A liquid mud plant is a bulk handling facility where dry powder and wet components are mixed to produce ‘liquid mud’ which is a critical component for the drilling operation.
- ii. **Open Storage Areas**
The outside storage areas will be used to store goods such as cargo carrying units, steel pipes, steel plate, tubulars, tote tanks, pressurized tanks, drums of lubricants and other materials not requiring covered storage.
- iii. **Workshops**
There may be oil and gas industry service providers that will want to have workshops on the base where specialized equipment can be assembled, tested, repaired and overhauled.
- iv. **Navigation channel**
Maintenance dredging of the navigation channel will occur around once a year during operation.

The Proposed Project consists of the following facilities in operation:

- i. Liquid Mud plant
- ii. Open Storage Areas
- iii. Workshops
- iv. Accommodation
- v. Office
- vi. Drainage system
- vii. Waste Storage Facility
- viii. Fire Fighting and Safety Equipment for Fixed Facility
- ix. Power Generator
- x. Fuel Storage
- xi. Water Supply
- xii. Jetty

Project Area

The Offshore Supply Base is located near Nga Yoke Kaung City in Ayeyarwady Region, which is located approximately 40 km south of the town of Ngwe Saung and covers an area of 29.95 acres. The Phase 2 of the Project have planned – the phase 1 area is expanded up to 50 ha onshore. This will be referred to as the “Project Area” throughout this report. The Project Area encompasses an area of sandy beach and onshore farm land. The Project Area is stated in Figures below:

Location of the Project Area is described as below the figure.

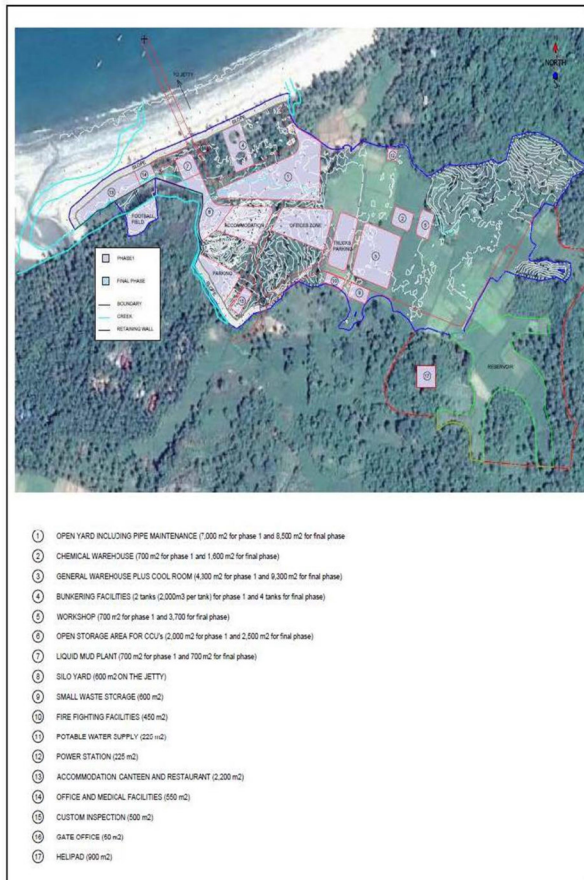


Fig. Phase 1 Layout

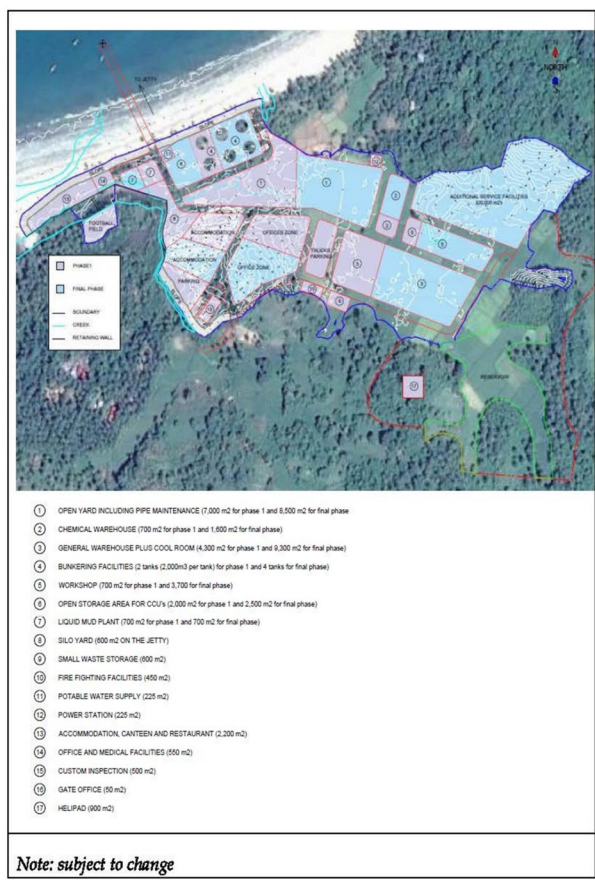


Fig. Phase 2 Layout

Schedule 2

Part A – General Conditions

Part B – Environmental Performance (Standards) Conditions

Part C – Environmental Management Conditions

Part D – Monitoring and Reporting for Compliance with the ECC

Part E – Specific Conditions and Project Commitments

Part F – Grievance Mechanism

Schedule 2, Annex 1 – Acronyms and Abbreviations

Part A – General Conditions

- A 1 The Project Proponent shall bear full legal and financial responsibility for all adverse impacts and all actions and omissions of itself and its contractors, subcontractors, officers, employees, agents, representatives, and consultants employed, hired or authorized by the Project Proponent acting for or on behalf of the Project Proponent, in carrying out work on the Project. The Project Proponent shall fully implement all environmental and social measures, and is liable for ensuring that all contractors and subcontractors comply fully with all relevant environmental and social standards and measures, and other requirements.
- A 2 The Project Proponent shall carry out the Project in accordance with the documents submitted to Ministry including:
- i. EIA report of Offshore Supply Base Nga Yoke Kaung submitted on February 2019
(The Reference Letter NO. (1) (Forestry)3(2)/16(D)(622/2019) dated on 14th February 2019 by MONREC and (2) M&AOSB/LET-022/19 dated on 6.2.2019 by M&AOSB.)
 - ii. The Project commitments stated by the Project Proponent in the EIA report (Table 8.1, Page No. 8-3 to 8-41).
 - iii. The Project's Specific Conditions and Commitments as stated in this ECC, part E.
- A 3 The Project Proponent shall inform the Ministry for any major changes of the project design and operations. If the Ministry deems necessary, the Ministry may modify this ECC after consultations with the Project Proponent.
- A 4 The Project Proponent shall implement the Environmental Management Plan (EMP) and relevant sub-plans including Environmental Monitoring Programs.
- A 5 The Project Proponent shall ensure that all bidding documents and contracts for Project works contain provisions that require contractors to:

- i. comply with the measures relevant to the contractor set forth in this ECC and any corrective or preventative actions set forth in an Environmental Monitoring Report;
 - ii. make available a budget for all such environmental and social measures; and
 - iii. provide the Project Proponent and the Ministry with a written notice of any unanticipated environmental and social risk that may rise during the operation of the Project that were not considered in the Project EIA Report and EMPs.
- A 6 The Project Proponent shall provide all necessary budgetary and human resources to fully implement the EMP and sub-Plans and monitoring provisions.
- A 7 The Project Proponent shall, unless otherwise instructed in writing by the Ministry, undertake self-monitoring as specified in a Project EMP and this ECC. The Project Proponent shall maintain records of all self-monitoring results described in an EMP, including records of taking and analysis of samples, instrument measurements (periodic and continuous), calibrations, examinations, tests and surveys, and any assessments made on the basis of such data. All records shall be legible, made as soon as reasonably practicable, and if amended, amended in such a way that both original and any subsequent amendments remain legible, or capable of retrieval. All records shall be retained, unless otherwise agreed in writing by the Ministry, for at least three (3) years from the date when the records were made.
- A 8 To enable the Ministry to monitor Project compliance, the Project Proponent shall:
 - i. grant the Ministry and/or its representatives, at any time during normal business hours, access to the Project's offices and the Project site and any other location at which the Project's activities or activities related to the Project are performed.
 - ii. from time to time as and when the Ministry shall 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.
 - iii. 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 of the Project with all applicable environmental and social requirements, the Project Proponent shall grant full and immediate access to the Ministry at any time as may be required by the Ministry.
 - iv. if upon inspection, the Ministry identifies any non-compliance with the conditions in this ECC, the Ministry may require the Project Proponent to undertake remedial measures and/or may impose penalties as provided for the EIA Procedure (2015).

- A 9 The Project Proponent shall submit a Monitoring Report for Environmental and Social Impact to the Ministry not less frequently than every six (6) months during the Project and promptly disclose that report to the public in a form of accessible to the related communities. Reports shall include without limitation the issues listed in part D of this ECC.
- A 10 The Project Proponent shall ensure that all reporting in compliance with this ECC is made available to the Ministry and to the public. This information shall be made available at the Regional Government or departmental office or other location with consent of the Ministry and electronically on a Project Proponents or Project website.
- A 11 This ECC is valid for a period of five years. The Project Proponent shall apply for extension of the ECC validity six months prior to expiry date.
- A 12 The Ministry has the right to terminate this ECC with immediate effect if:
- i. Substantial implementation of the Project has not commenced within two (2) years after the issuance of this ECC, unless the Project Proponent has applied in writing to the Ministry providing reasons why it has not been able to commence substantial implementation of the Project, including what further period of time is needed before substantial commencement of the Project can take place, and the Ministry has in its discretion granted an extension;
 - ii. The Project fails to comply with this ECC and fails to implement corrective actions within the period (if any) allowed by the Ministry.
- A 13 The Ministry may unilaterally modify conditions in this ECC and/or require the Project Proponent to revise and resubmit an EMP to the Ministry for review and approval, if at any time the Ministry determines that:
- i. The mitigation measures are insufficient or inadequate to mitigate the actual or likely impacts of the Project;
 - ii. New information becomes known as to how harmful the adverse impacts of the Project are, or are likely to become;
 - iii. The adverse impacts of the Project which could not have been foreseen at the time the originally approved EIA were approved;
 - iv. The adverse impacts of the Project are greater than those anticipated impacts that formed the basis for the preparation, submission, and approvals of the original EIA report and the issuance of this ECC and conditions therein;
 - v. The adverse impacts of the Project can be reduced through adherence to good practice without commercially significant extra cost to the Project;
or
 - vi. The measures and conditions stipulated in an EMP and/or this ECC are determined to be unnecessary to mitigate the adverse impacts.

- A 14 Where, in the opinion of the Ministry, the Project Proponent is not in compliance with, or is likely not to comply with, its obligations, the Ministry shall promptly inform the Project Proponent and may recommend and warn the Project Proponent to strictly implement its obligations. The Ministry shall indicate the manner in which environmental and social obligations are not being complied with by the Project Proponent and shall give a specified time within which to bring the Project into compliance. The Ministry may take such enforcement actions as considered appropriate to suspend, at the Ministry's discretion, this ECC in whole or part for reason of the Project Proponent's failure materially to comply with any condition of this ECC and fails to cure such non-compliance within the period specified by the Ministry.
- A 15 Issuance of this ECC is not a grant to the Project Proponent of any right or authorization to use any resources, nor is it a permit to engage in any commercial activities. Issuance of this ECC does not relieve the Project Proponent from identifying, obtaining, and maintaining in force all other licenses, permits and approvals from relevant authorities. It is the obligation of the Project Proponent to ensure that all these licenses, permits and approval are valid during the life of the Project. All such documents must be available for inspection during the life of the Project.
- A 16 The Ministry may prescribe conditions in this ECC when necessary, the Project Proponent to make contributions to the Environmental Management Fund in accordance with Article 30 of the Environmental Conservation Rule: (i) pollution charges (emissions, waste), and (ii) charges on the use of natural resources and benefits from ecosystem services.
- A 17 The Ministry may, upon joint application of a Project Proponent and a proposed transferee, transfer to the proposed transferee an ECC or any part of an ECC.
- A 18 The Project Proponent shall disclose the EIA Report, and this ECC and the conditions attached to the ECC (in both Myanmar language and English if available) on the Project website or the Project Proponent's website, thirty (30) days after receiving a copy of the ECC.
- A 19 The Project Proponent shall implement with the Future Engagement and Disclosure as detailed in section 9.3.5 and Community Grievance Mechanism as detailed in section 9.3.4 & Figure 9.4 and Corporate Social Responsibility as detailed in section 9.4 and Figure 9.9 of the EIA Report.
- A 20 The Project proponent shall notify and identify in writing to the Ministry any breaches of its obligations or other performance failures or violations of this ECC and EMPs as soon as reasonably possible and in any event, in respect to any breach which would have a serious impact or where the urgent attention of ECD is or may be required, within not later than twenty-four (24) hours, and in all cases within seven (7) days of the Project Proponent becoming aware of such incident.

Part B – **Environmental** Performance (Standards) Conditions

- B 1 The Project Proponent shall abide all legislations stated in Chapter 3 of the EIA report and other laws and regulations related to the project, when promulgated and shall implement all commitment and mitigation measures stated in Table 8.1 of the EIA report.
- B 2 The Project Proponent will ensure that the Project will comply with the following environmental standards during all stages of the Project:

Emission Standards

- i. Applicable General and Industry-Specific guidelines in the Myanmar National Environmental Quality (Emission) Guidelines (2015), and apply air emissions, noise and effluent discharge as described details on Table 3.4, Table 3.5 & Table 3.6 in EIA Report.
- ii. Any additional proposed Project environmental quality guidelines and standards, described in the EIA Report as accepted by the Ministry.

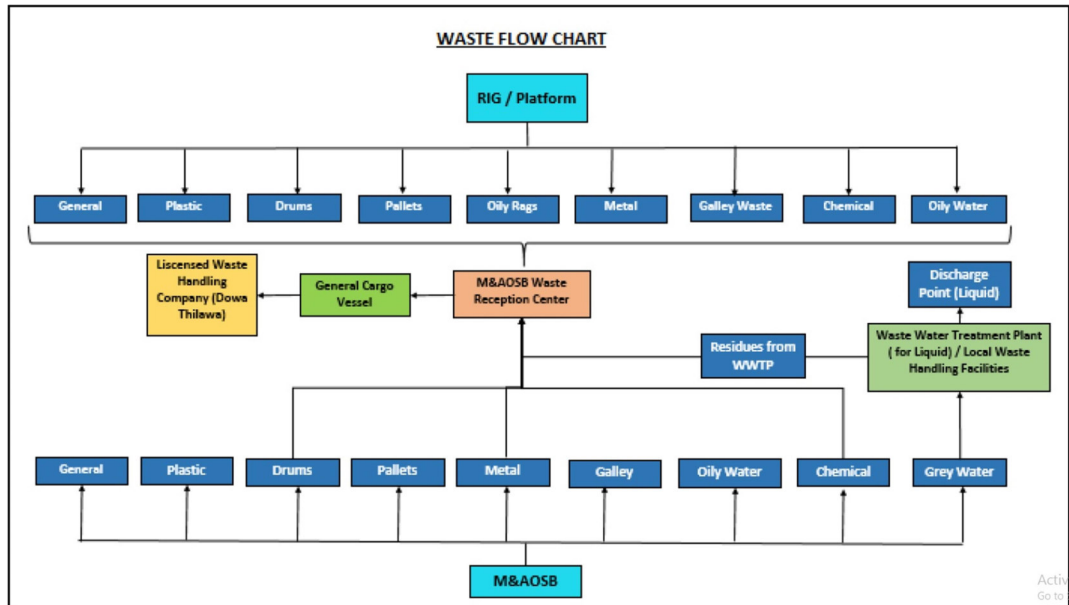
Ambient Standards

- i. General Air Emission Guidelines in the Myanmar National Environmental Quality(Emission) Guidelines (2015)
- ii. Applicable Myanmar National Water, Soil, Noise and Order Standards.
- iii. Any additional proposed Project environmental quality guidelines and standards, described in the EIA Report as accepted by the Ministry.

- B 3 Waste Management:

Waste management in accordance with Standard Operating Procedures for handling / storage / transfer of hazardous materials, emissions to the atmosphere, noise, liquid and solid wastes, hazardous wastes in line with NEQEG and World Bank Group's EHS Guidelines, waste discharge from ship such as sewage, garbage in line with MARPOL, all waste grey and or black water / fluids are collected, stored and treated and then discharged in accordance with National Environmental Quality (Emission) Guidelines.

The waste flow chart is described as below:



Part C - Environmental Management Conditions:

- C 1 The Project Proponent shall establish the Project Environmental and Social Management System (ESMS) in accordance with the Project EMP, prior to commencement of operation.
- C 2 The Project Proponent shall implement the EMP in Table 8.1 and the following sub-plans as described in EIA report:
 - i. Waste Management Plan
 - ii. Emergency Response Plan
 - iii. Traffic Management Plan
 - iv. Livelihood Restoration and Compensation Plan
 - v. Biodiversity Management Plan
 - vi. Water Quality and Sediment Management Plan
 - vii. Occupational Health and Safety Plan
- C 3 The Project Proponent shall support and cooperate with Universities and Researchers in order to develop the research for Marine Biodiversity and protect the Nga Yoke Bay Marine Biodiversity.
- C 4 The Project Proponent shall submit a revised EMP to the ECD for review and approval in case of changes to the Project Activities, the Project site or adverse Impacts of the Project.
- C 5 The Project Proponent shall submit the disposal plan approved by MPA regarding with the all wastes including materials by dredging to ECD, prior to the constructions commencing.

- C 6 The Project Proponent shall submit the final layout with facilities Lists for each Phase to ECD, prior to the constructions commencing.
- C 7 The Project Proponent shall develop Oil Spill Contingency Plan in Appendix F of EIA Report and shall submit updated Oil Spill Contingency Plan regarding with the vessel collision, grounding and spill from bunkering/ fuel handling.
- C 8 The Project Proponent shall submit details Waste Storage & Management Plan regard to the receiving the solid waste from oil and gas operations as described in Table 4.5 of EIA , prior to the receiving those waste.
- C 9 The Project Proponent shall prepare and implement a Compensation Plan in the event of any project-related damage to crops, forest, buildings, cultural heritage or infrastructure.
- C 10 The Project Proponent shall develop the sub-plans such as Emergency Response Plan, Waste Management Plan, Livelihood Restoration and Compensation Plan, Biodiversity Management Plan, Occupational Health and Safety Plan
- C 11 The Project Proponent shall develop the Decommissioning Plan for the Project.

Part D – Monitoring and Reporting of Compliance with the ECC:

- D 1 The Project Proponent shall monitor the Project in accordance with the commitments and monitoring plan in Table 8.2 in the EIA Report as described lists of factor below:
 - i. Air emission
 - ii. Noise
 - iii. Marine Sediment
 - iv. Marine Flora & Fauna
 - v. Waste
 - vi. Incident and accident reporting
 - vii. Effluent Discharges /Marine Water Quality
- D 2 The Project Proponent shall monitor the ground water quality related project area for all project stages and describe the ground water quality in Monitoring Report.
- D 3 The Project Proponent shall conduct the monitoring plan as per continuous or monthly in initial phase of the project.
- D 4 The Project Proponent shall study and assess the potential impact of tourism throughout the Project and mitigate when necessary and shall describe about positive or negative impact or any condition of tourism in Monitoring Report.
- D 5 If any unanticipated significant environmental and/or social risks and impacts arise during the Project that were not considered in the EIA and EMPs, the Project Proponent shall promptly inform the Ministry for the occurrence of such risks or impacts, with detailed description of the event and a proposed corrective action plan.

- D 6 The Project Proponent shall submit a monitoring report to the Ministry not less frequency than every six (6) months during the Project. The reports shall include:
- i. documentation of compliance with all conditions of this ECC, in particular on the commitments made in Table 8.2 of the EIA Report;
 - ii. progress made to date on implementation of EMPs against the submitted implementation schedule;
 - iii. difficulties encountered in implementing EMPs and recommendations for remedying difficulties and steps to prevent or avoid similar future difficulties;
 - iv. number and type of non-compliances with EMPs and proposed remedial measures and timelines for completion of remediation
 - v. summary of self-monitoring reports including explanatory remarks;
 - vi. summary of accidents or incidents relating to the occupational and community health and safety;
 - vii. summary of complaints and grievances redress mechanism (GRM);
- D 7 The Project Proponent shall submit together with the Monitoring Report - the Audit compliance Report which is relevant to the Audit / inspect compliance prepared by all subcontractors and support vessel operators when required.
- D 8 Within ten (10) days of completing a report, the Project Proponent shall make such report on the Project Proponent's or Project 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 report and the Project Proponent 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.

Part E – Specific Conditions and Project Commitments:

- E 1 The Project Proponent shall follow strictly on Environmental Conservation law, rules and procedures, Union of Myanmar's current existing laws and international agreements, international environmental and social standards as stipulated in the EIA Report.
- E 2 The Project Proponent shall fully comply with commitments in Environmental Management Plan in Table 8.1 and Monitoring Program in Table 8.2 mentioned in the Report.
- E 3 The Project Proponent shall comply Myanmar National Environmental Quality (Emission) Guideline regarding air emissions, noise level and Effluent Discharge Levels for Sewage stated in EIA Report.
- E 4 The Project Proponent shall follow World Bank Group EHS Guidelines (2017) for ports, harbours and terminals stated in the Table 1 regarding the monitoring water and sediment quality during construction and operational activities (in particular dredging and disposal activities).

- E 5 The Project Proponent shall conduct the design of Jetty and piling activities should be minimal impacts to environment and provide mitigation measures whenever necessary.
- E 6 The Project Proponent shall evaluate and assess Suitability, Adequacy Effectiveness of the project design and operational issues in order to conduct and prevent Environmental Risks and in order to adapt the Climate Changes.
- E 7 The Project Proponent shall implement a regular and rigorous watering and sprinkling regime in particular during the dry season to reduce the dust emission.
- E 8 The Project Proponent shall provide a wheel washing facility at the exit of the Project Area to reduce the likelihood of dusty materials being deposited beyond the Project Area boundary.
- E 9 The Project Proponent shall use low Sulphur fuels in heavy good vehicles and diesel powered equipment in collaboration with best management practices for construction and operation phase.
- E 10 The Project Proponent shall properly reduce noise impacts from activities by shielded by implementing control measures (e.g. erecting temporary noise barriers and deflectors) whenever applicable.
- E 11 The Project Proponent shall ensure the vicinity is clear of marine mammals and sea turtles prior to the commencement of works and will serve to reduce any disturbance to marine mammals and sea turtles as well as physical harm from placement of quarry rock, etc.
- E 12 The Project Proponent shall utilize a marine mammal observer during piling.
- E 13 The Project Proponent shall erect fencing such as trees between Zin Yaw Chaung and the OSB to reduce visual impacts.
- E 14 The Project Proponent shall design and provide appropriate surface drainage; where necessary to prevent erosion caused by rainstorms and shall prevent surface runoff from potential sources of contamination.
- E 15 The Project Proponent shall inspect all drainage facilities and sediment control structures on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms.
- E 16 The Project Proponent shall construct septic tanks or a permanent sewage treatment plant to collect and treat the sewage from toilets, canteen kitchens including that from basins, sinks and floor drains.
- E 17 The Project Proponent shall prohibit direct disposal into surface or aquatic waters monitor regularly the treated wastewater in line with the National Environmental Quality (Emissions) Guidelines on Effluent Discharges
- E 18 The Project Proponent shall manage the support vessels to follow International Convention for the Control and Management of Ships' Ballast Water (BWM) regard to the Ballast water discharge.
- E 19 The Project Proponent shall minimize size of footprint on seabed and avoid construction in sensitive habitats (e.g. coral reefs) in case of Jetty Construction.

- E 20 The Project Proponent shall use the closed grab dredgers or suction dredgers with silt curtains and alternative methods to reduce the potential for leakage of sediments.
- E 21 The Project Proponent shall manage the contractor(s) that the works cause no visible foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the area of marine works.
- E 22 The Project Proponent carefully select discharge location based on environmental sensitivities and assimilative capacity of receiving aquatic waters and shall provide the exact discharge location point in Monitoring Report.
- E 23 The Project Proponent shall manage the contractor(s) should verify that the works area is clear of sea turtle nests prior to commencement of works to avoid destruction of any buried nests and shall prohibit illegal gathering of eggs by contractors.
- E 24 The Project Proponent shall properly maintained Pilling and associated machinery for well-functioning and operating that will not severely impact and establish an exclusion zone of 500 m radius around the construction site
- E 25 The Project Proponent shall restrict Construction activities to works areas that will be clearly demarcated and implement by Landscape planting such as native tree species which are fast growing in nature.
- E 26 The Project Proponent shall provide regular communications to fishermen on vessel movements as required.
- E 27 The Project Proponent shall employ 70% Myanmar national or local people on the construction phase of the Project.
- E 28 The Project Proponent shall inform communities in the vicinity of the OSB about the risks and consequences of trespassing as part of the stakeholder engagement activities, prior to the start of construction activities.
- E 29 The Project Proponent shall develop the Traffic Management Plan to indicate the traffic routes to be followed and enforce speed limit 40km/h for vehicles related to construction activities of the Project.
- E 30 The Project Proponent shall create a tunnel will be included in the design of the Project on the beach to ensure that local communities and other beach users can have full access to the beach.
- E 31 The Project Proponent shall alert relevant authorities and stakeholders (i.e. local fishing and tourism operators, fishery/tourism associations, and local villagers) regard to the final works area design as well as the construction programme and any specific restrictions at least four weeks prior to construction activities.
- E 32 The Project Proponent shall appropriately mark any restricted areas on Notice to Mariners to ensure mariners are aware of any potential restrictions.
- E 33 The Project Proponent shall follow as requirements
- i. Secondary containment, constructed of impervious and chemically resistant material, shall be provided that is capable of containing the larger 110% of the largest tank or 25% of the combined tank volumes.

- ii. Fuel shall not be stored in underground tanks.
 - iii. Fuel shall be transferred between vehicles and storage tanks on an impervious surface sloped to a collection structure.
- E 34 The Project Proponent shall follow the Myanmar Port Authority's guidance related to the disposal area and disposal plan.
- E 35 The Project Proponent shall provide ECD with details of the Waste Storage during operation.
- E 36 The Project Proponent shall commit to ensuring all vessels have required certificates as required per vessel class under MARPOL.
- E 37 The Project Proponent shall install Oil water separators and grease traps at refueling facilities, workshops, parking areas, fuel storage and containment areas, if any.
- E 38 The Project Proponent shall collect Spill kits and shovels at Project sites or appropriate locations for any accidental leakage of fuel or other hazardous substances during Project activities.
- E 39 The Project Proponent shall continuously consult with local communities (Stakeholders), considers and incorporate their suggestions and requests.
- E 40 The Project Proponent shall conduct CSR activities, coordinating with local community in area potentially affected by project activities through the Project.
- E 41 The Project shall distribute the EIA Report including the Executive Summary, both in English and Myanmar translation, to the areas related to Project area (Nga Pu Daw, Nga Yoke Kaung and villages around the project) via relevant channel for the target audience of the public in those areas.
- E 42 The Project Proponent shall secure the insurance for compensating the environmental impact in case of incident and to handle the consequences of environmental impacts.
- E 43 The Project Proponent shall inform the ECD within 24 hours and to receive ECD's advices, on occurrence of any unplanned events and accidents.
- E 44 If the Project Proponent does not fulfill the Project commitments, the Project will be suspended and no further work shall be undertaken until the Ministry is satisfied that the Project Proponent has fulfilled its commitments.

Part F – Grievance Mechanism:

- F1 The Project Proponent shall ensure that Grievance Mechanism acceptable to the Ministry are established, to:
- i. review and document eligible complaints of Project stakeholders;
 - ii. proactively address grievances;
 - iii. provide the complainants with notice of the chosen mechanism/action; and
 - iv. prepare periodic reports to summarize the number of complaints received and resolved, and final outcomes of the grievances and chosen actions and make these reports available to the Ministry upon request. Eligible

complaints include those related to the Project, any contractor or sub-contractor, any person responsible for carrying out the Project, complaints on misuse of funds and other irregularities, and grievances due to any safeguard issues, including resettlement, environment, and gender.

- F2 The Project Proponent shall submit to ECD a proposed complaint and problem management mechanism or grievance redress mechanism in accordance with the Article 31 of United National Guiding Principles on Human Rights and Business.
- F3 The Project Proponent shall develop and inform regarding the Grievance Mechanism (Section 9.3.4) broadly, effectively and to make prearrangement to implement successfully close to the project area such as Nga Pu Daw and Nga Yoke Kaung and villages around the project.
- F4 The Project Proponent shall resolve until satisfactory for the Low and Medium Grievances within 5 to 10 working days (this timeline is required to agree by local stakeholders).
- F5 The Project Proponent shall resolve until satisfactory for the High Grievances as soon as possible (to inform the timeline to the Griever and to obtain agreement by the Griever).
- F6 The Project Proponent shall establish and comply with the Grievance Mechanism in Figure 9.4. This shall address compliance with condition F1 of this ECC.
- F7 The Project Proponent shall implement successfully Future Engagement Activities and disclosure (Section 9.3.5), CSR activities (Section 9.4).
- F8 The Project Proponent shall consult and respond the key concerns of project activities throughout the project as mention in Appendix G – Stakeholder Engagement; Meeting Minutes, and Materials

Schedule 2, Annex 1 – *Acronyms and Abbreviations*

Ministry	Natural Resources and Environmental Conservation
ECD	Environmental Conservation Department
ECC	Environmental Compliance Certificate
MPA	Myanmar Port Authority
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
EHS	Environmental Health and Safety
MEDIVAC	Medical Evacuation
CSR	Corporate Social Responsibility
IFC	International Finance Corporation
WBG	World Bank Group
WHO	World Health Organization
NEQ	National Emission Quality
OSB	Offshore Supply Base