

GUIDANCE FOR PREPARATION AND SUBMISSION OF ENVIRONMENTAL MANAGEMENT PLAN (EMP after EIA)

A. COVER PAGE

- Title of project
 - ◆ Name of the project should be based on proposed development area interrelated with approved EIA project name.
- NREB EIA Approval Reference Number
 - ◆ Compulsory to be written on EMP cover page.
- Project Proponent and Environmental Consultant Address

B. DECLARATION

- Environmental Pledge
 - Declaration by project proponent (example as in **Appendix 1**)
 - Declaration by Environmental Consultant (example as in **Appendix 2**)

C. CHAPTER 1 – INTRODUCTION

- Project Background
- Environmental Policy
 - ◆ Company's corporate policy statement on environmental management and protection.
- Project Organization chart
 - ◆ Conceptual environmental management structure of the proposed project.
- Roles and responsibilities of the parties involved in the EMP implementation
- Name, registration validity, specialization and signature of the EMP Study Team members
- List of Relevant Standards, Regulations and Guidelines
 - ◆ Should be based on project activities.

D. CHAPTER 2 - PROJECT DESCRIPTION

- Brief Project description/ concept/ progress
- Project layout as approved in the Development
- Project location, size and land status
- Project components, activities and implementation schedule
- Brief of plans
 - e.g. General Plan, Detailed Plan, Reduce Impact Logging Plan, Project Phases Plan, Mining Scheme

E. CHAPTER 3 – EXISTING ENVIRONMENT

- Update on information of land uses profile, topography, hydrology, climate and biological environment, etc.
- Maps on update regional land uses
 - ◆ The maps should be provided in A3 size and in Borneo Rectified Skew Orthomorphic (BRSO) projection.
- Comments from relevant agencies, such as JBALB (for water catchment & 8-km radius water intake point), SFC (TPAs, protected species etc.), Forest Department (Forest Reserve etc.) and/or relevant Ministries/Agencies
 - ◆ Must supported with official documents (e.g. letter, map) and attached in EMP Appendices.
- Update on environmental baseline information and data

F. CHAPTER 4 - ENVIRONMENTAL IMPACT AND ACTION PLAN

- Action Plan on Implementing Mitigation Measures stipulated in EIA specific terms and conditions approval.
 - ◆ Table of Action Plan for Mitigation Measures to be Implemented (example as in **Appendix 3**)
 - ◆ Brief additional or changes in EIA conditions
- Environmental contingency plan (Emergency Response Plan)

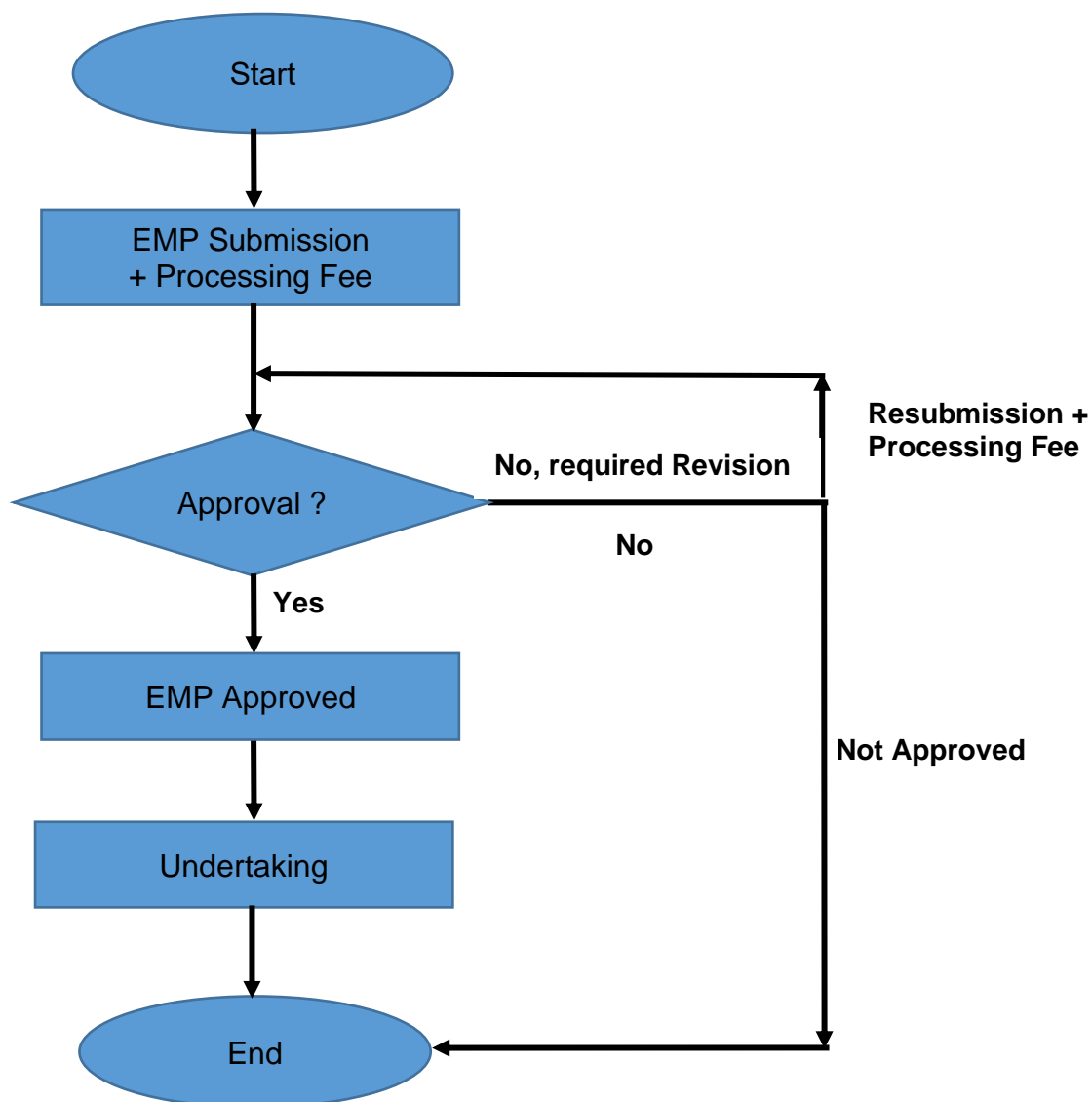
G. CHAPTER 5 - MONITORING PROGRAMME

- Monitoring Programme
 - ◆ Include monitoring location, parameters involved, frequency, standards & regulations (example as in **Appendix 4**).
- Map of Monitoring points
 - ◆ The maps should be provided in A3 size and in Borneo Rectified Skew Orthomorphic (BRSO) projection
- Sampling methods
- Name of accredited laboratory conducting environmental monitoring and analysis of environmental samples

H. APPENDICES

- Relevant documents from other agencies
 - ◆ Official licences (e.g. Forest Timber Licence, Licence Planted Forest, Provisional Lease)
 - ◆ Official letter reply from agencies as in Chapter 2
- EIA approval documents
 - ◆ Must include Approval Cover Letter, EIA Approval Certificate, General Terms & Conditions, EIA Specific Terms & Conditions
- Relevant plates/photos to be attached.

WORK PROCESS FLOW CHART OF EMP AFTER EIA



Note:

- i. The EMP report shall be submitted together with Processing Fee as specified in the Natural Resources and Environment (Fees) Rules 2008. The online payment form shall be attached.
- ii. The Environmental Consultant is required to submit **two original (2) hardcopies** and **one (1) softcopy in CD form** of EMP report to NREB Headquarters, **one (1) copy original hardcopy** to respective Regional/Subregional Offices.
- iii. The duly signed Undertaking document shall be returned to the NREB within 14 working days after received the approval letter.

DECLARATION BY PROJECT PROPONENT

I hereby declare that the entire Environmental Management Plan (EMP) report is prepared by the Environmental Consultant engaged by my company. All the facts stated in the Report and the accompanying information are to the best of my knowledge is true and correct. I agree and shall undertake the responsibility to ensure the actions/measures/plans stated in the EMP will be implemented, whereby sufficient funds have been allocated for these purposes.

.....
Name of project proponent/authorized person

Designation:

Signature:

Date:

Company Stamp:

DECLARATION BY ENVIRONMENTAL CONSULTANT

I declared that the entire Environmental Management Plan (EMP) Report is the product of my own work and the work of my team members who worked under my supervision. All the facts stated in the Report and the accompanying information are to the best of my knowledge and belief true and correct and that I have not withheld or distorted any material facts. I have briefed the Project Proponent on the content of the Report and highlighted to him all the mitigating measures and action plans.

.....
Name of Environmental Consultant (Team Leader)

Designation:

Signature:

Date:

Company Stamp:

ACTION PLAN FOR MITIGATION MEASURES TO BE IMPLEMENTED

Environmental issues/ Impacts	Mitigation measures recommended in EIA Approval Annex I of Specific Terms and Conditions	Action Plan to be implemented	Project activities/phase/stage
i.e. Solid Waste Management	i.e. Proper garbage bins shall be provided at the base camp (including temporary camps) and the workers' quarters. Domestic solid waste shall be regularly collected and disposed of.	i.e. i. To provide 10 garbage bins in base camp and 5 garbage bins in temporary camp. ii. Domestic solid waste to be collected 3 times in a week and disposed at approved dump site area within licence area.	i.e. All phases

Table XX: Environmental Monitoring Programme

Impact/ Monitoring Aspect	Monitoring Location	Monitoring Parameter	Compliance Limit	Monitoring Frequency	Guidelines/Standards/Regulations
Project Activities: Harvesting Stage					
i.e. Water Quality	i.e. WM1	i.e. (i) pH (ii) Temperature (iii) Dissolve Oxygen (DO) (iv) Chemical Oxygen Demand (COD) (v) Biochemical oxygen demand (BOD5) (vi) Total Suspended Solid (TSS) (vii) Oil & Grease (viii) Ammoniacal Nitrogen (NH3-N) (ix) Faecal Coliform Count (MPN/100mL) (x) Turbidity	i.e. 6.0-9.0 - 5mg/L – 7mg/L 25mg/L 3mg/L 50mg/L 7;N 0.3mg/L 400 MPN/100mL 50 NTU	i.e. Quarterly	i.e. National Water Quality Standards for Malaysia (NWQS)
i.e. Air Quality	i.e. A1	i.e. PM2.5 PM10	i.e. 35 µg/m ³ -average value of 24 hours 100 µg/m ³ -average value of 24 hours	i.e. Quarterly	i.e. Malaysian Air Quality Standard, 2020