

CHAPTER 3

ORGANIZATIONAL STRUCTURE AND ENVIRONMENTAL BUDGET

3.1 ENVIRONMENTAL MANAGEMENT TEAM AND RESPONSIBILITY

To manage the environment in proper manner, a good and systematic management program must be adopted, with strong emphasis on employee education, regular monitoring, environmental auditing and employing best management practices to prevent environmental issues from arising whenever possible.

An Environmental Management Team (EMT) set up by the project proponent is to implement, monitor, audit and report based on the EMP on all matters pertaining to the environment. The project organization charts are presented in **Figure 3.1**.

This chart presents the organization structure and line of responsibility of the key personnel and organization responsible for the environmental management of the project. This chart shall be amended should there be any changes to the project environmental management team.

3.2 ORGANIZATION STRUCTURE

The project site will be managed by Project Developer, **Samasuka Sdn. Bhd** appointed by Project Proponent, **Liput Raya Sdn. Bhd**. The organization chart shows the hierarchy of the forest plantation development (**Figure 3.1**).

CADANGAN PEMBANGUNAN LADANG HUTAN SELUAS 400 HEKTAR (988.42 EKAR) DI SEBAHAGIAN KOMPARTMENT 78 & 79
HUTAN SIMPAN BUKIT SLIM, MUKIM SLIM, DAERAH MUALLIM, PERAK DARUL RIDZUAN

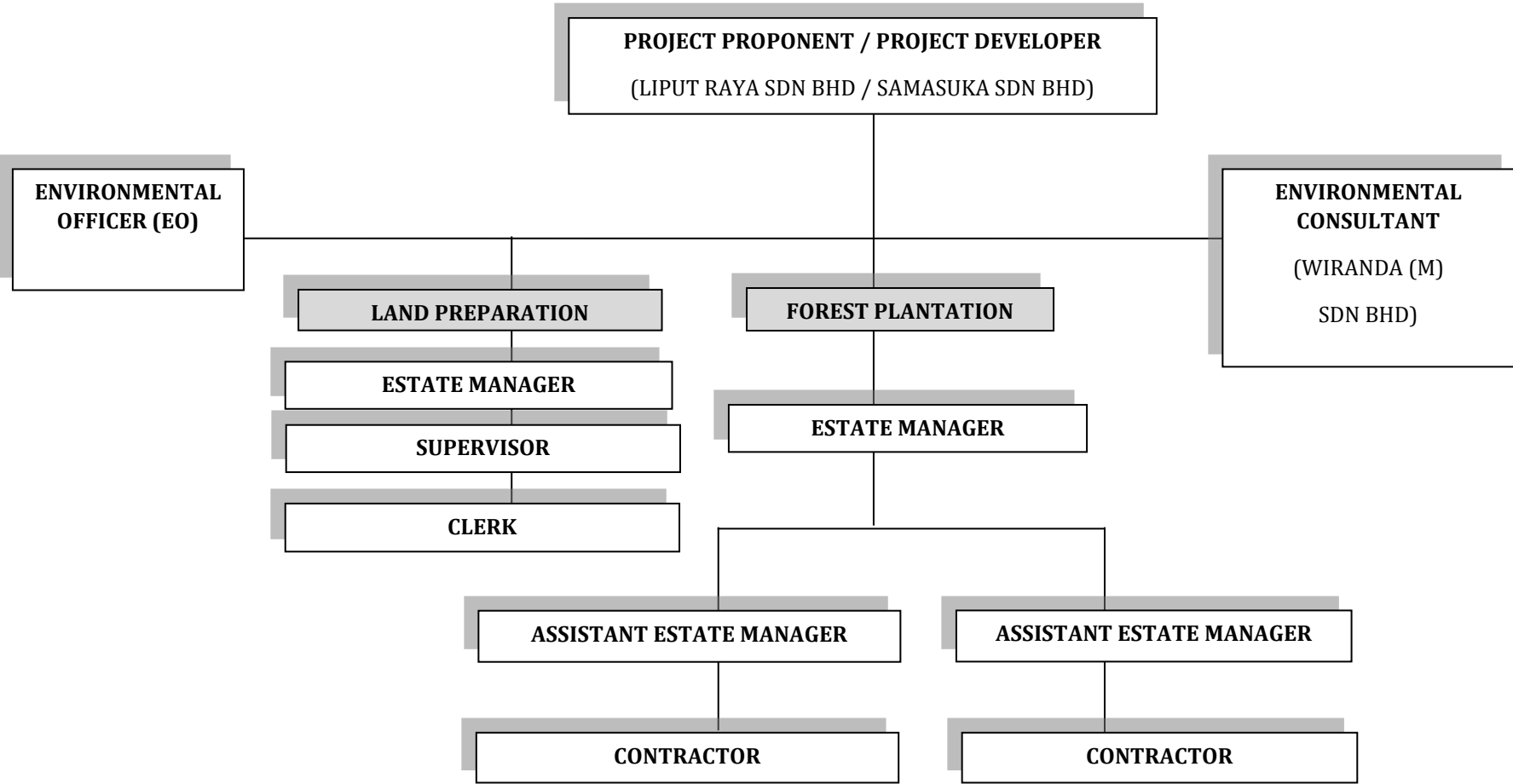




Figure 3.1: Organization Chart

3.3 CONTACT DETAILS OF THE ENVIRONMENTAL MANAGEMENT TEAM (EMT)

NO.	ORGANISATION & ADDRESS	TEL & FAX NO.
1.	<p><u>PROJECT PROPONENT</u></p> <p>LIPUT RAYA SDN BHD Suite 30, 3A Floor, IOI Business Park, 47100 Puchong, Selangor Darul Ehsan</p> <p>Attention: Dato Wei Chuan Beng</p>	<p>Tel: 016-503 3152</p>
2.	<p><u>PROJECT DEVELOPER</u></p> <p>SAMASUKA SDN BHD Suite 30, 3A Floor, IOI Business Park, 47100 Puchong, Selangor Darul Ehsan</p> <p>Attention: Mr Thomas Cheah</p>	<p>Tel: 016-503 3152</p>
3.	<p><u>ENVIRONMENTAL CONSULTANT:</u></p> <p>WIRANDA (M) SDN BHD No. 3374, Jalan 18/31, Taman Sri Serdang, 43300 Seri Kembangan, Selangor Darul Ehsan.</p> <p>Attention : Dr Mohammad Ismail bin Yaziz (Director) : Amirul Asyraf bin Azizan</p>	 <p>Tel : 03-8957 4940 Fax : 03-8948 5912</p>
4.	<p><u>ACCREDITED LABORATORY</u></p> <p>ERALAB SDN BHD No. 22, Block C, Jalan PJU 1A/3, Taipan Damansara 2, Ara Damansara, 47301 Petaling Jaya, Selangor Darul Ehsan</p>	 <p>Tel : 03-7842 6693 Fax: 03-78426695 Email: admin@eralab.com.my</p>

3.4 TEAM INVOLVES AND THEIR RESPONSIBILITIES

3.4.1 Project Proponent (LIPUT RAYA SDN BHD)

- To ensure the conditions stipulated in the mitigation measures proposed in the EMP report are fulfilled.
- Provide sufficient resources and labour for the implementation of the EMP
- To ensure the Contractor implement the mitigation measures and comply with compliance with the environmental regulations

3.4.2 Project Developer (SAMASUKA SDN BHD)

The responsibilities of Project Developer with respect to the EMP shall include the following:

- To ensure that the Contract Documents include provisions for compliance with environmental requirements. The Environmental Quality Act, (1974) and other subsidiary legislation and guidelines shall be used as reference.
- To allocate an adequate budget for implementing the EMP.
- To organize a structure for Environmental Management for the Project, with clear defined roles and responsibilities, and reporting mechanism.
- To establish a system to respond promptly to public complaints.
- To periodically review, the overall monitoring programme with respect to monitoring locations, frequency, parameters, environmental controls and mitigation measures, and revise if necessary.
- To conduct meetings with contractor to review environmental performance of the proposed works and to identify any improvements in working practices to avoid breaches of limit levels.
- To coordinate the implementation of EMP.
- To submit environmental compliance reports to DOE according to the specified schedule. Ad hoc reports shall be submitted in the event of abnormal operations or incidents.
- To maintain environmental records and also the environmental performance.

3.4.3 Manager (Land Preparation Phase/Forest Plantation Phase)

The Manager shall lead the environmental management team in managing the environmental aspects of the Project development. Project Manager will also have ultimate on-site responsibility for the execution of environmental control measures and compliance with the specifications set in the EMP. The Manager shall report to the Project Proponent. The Manager is also responsible for ensuring that all workers are trained in safe working practices and procedures. Regular health, safety and environment workshops for the workers on site should be carried out. The frequency and type of training would be solely under the discretion of the Manager. Training should include first aid, emergency and disaster training and procedure. Additionally, the relevant sub-contractors shall be responsible in maintaining all plant and equipment in good and efficient working order, in compliance with the manufacturer's recommendation. Regular maintenance will help minimize excessive noise and exhaust emissions generated by machinery. The Contractors should use quieter construction methods that are practical and cost-effective.

3.4.4 Environmental Officer (EO)

An EO will make sure all works inside the project locations will not violate and abide all terms in the EIA Approval Conditions.

Furthermore, Environmental Officer must make sure LD-P2M2 will implemented at the project site and to maintain their efficiency. Any maintenance works related to environment in the project site will be recorded in the site diary, environmental related Form (1-18 & 2-18) and the Online (ESC) assessment. An Environmental Officer responsible to dealing with DOE and other related agencies to make sure the work progress running smoothly along without disturbing environmental stability.

3.4.5 Workers/Employees/Clerk

Workers/employees play a vital role in protecting the environment and safeguarding the interests of the public. It is also their responsibility to ensure that they place priority on their safety all the times, as well as the safety of others who may be affected by their actions. They should also report all accidents and incidents to their respective supervisors.

Personal protective equipment (PPE) should be used whenever required, and in a correct manner. They may include:

- a) Hard hats; steel-toed shoes
- b) Safety Glasses
- c) Protective gloves and hearing protection

3.4.6 Environmental Consultant (Wiranda (M) Sdn Bhd.)

The Environmental Consultant plays a major role in the preparation of the EMP report and in accordance with the objectives and requirement of the EMP, whilst ensuring compliance with the relevant regulations and standards. The environmental consultant also should identify and collate significant impacts and recommend mitigation measures to be implemented. The job scope includes:

- To prepare an EMP (including an environmental monitoring programme) and recommend revisions as appropriate.
- To advice proper execution of the environmental impact and compliance monitoring programme.
- To assist project proponent in reporting to the DOE Perak.
- To liaise with the DOE and relevant regulatory authorities on Environmental matters.
- To prepare monthly monitoring report and environmental audit report for submission to **Liput Raya Sdn Bhd.**
- To advice project proponent on the performance of implementation of the EMP and recommend appropriate changes as indicated by monitoring results.
- To carry out site monitoring and sampling during the construction period.

- a) Safety harness (applicable for workers during stringing activities)

3.4.7 Accredited Laboratory (Eralab Sdn Bhd)

The main task of laboratory is to undertake monitoring of air and noise as well as analyze water, air and noise samples to determine its characteristics. Environmental parameters that are required to be collected and analysed are identified in subsequent sections of this EMP

3.5 ENVIRONMENTAL COST ESTIMATE

No.	Particulars	Budget
1.	Environment Requirements <ul style="list-style-type: none"> • EIA report • LDP2M2 report • EMP report • Etc 	RM 125,000.00
2.	Operational Best Management Practices/ Implementation & Maintenance of Pollution Prevention and Mitigation Measures (P2M2) - Based on the Summary of bill of quantities environmental protection works (Physical Works) (Appendix E- LDP2M2)	RM 1,747,500.00
3.	Environmental Equipment (in-situ) <ul style="list-style-type: none"> • TSS & Turbidity handheld meter • Rain gauge 	RM 10,000.00
4.	Training (internal/external)	RM 5,000.00
5.	Awareness/ seminar/ campaign	RM 10,000.00
6.	Environmental Monitoring, Compliance Reporting and Auditing, Environmental Officer - Based on Based on the Summary of bill of quantities environmental protection works (Physical Works) (Appendix E- LDP2M2)	RM 206, 276.40
	GRAND TOTAL	RM 2,103,776.40