PROJECT PROPONENT **LIPUT RAYA SDN BHD**

PROJECT DEVELOPER SAMASUKA SDN BHD **LEGAL REQUIREMENTS**

According to Subsection 34A (1) of the Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015

First Schedule Activity 5(e)

"Activity 5(e) Forestry: Development of planted forest covering an area of 100 hectares or more but less than 500 hectares"

ENVIRONMENTAL CONSULTANT WIRANDA (M) SDN BHD

PROJECT ACTIVITIES

PRE-DEVELOPMENT

- Site Survey
- Environmental Study
- Project Planning/ Management

DURING DEVELOPMENT

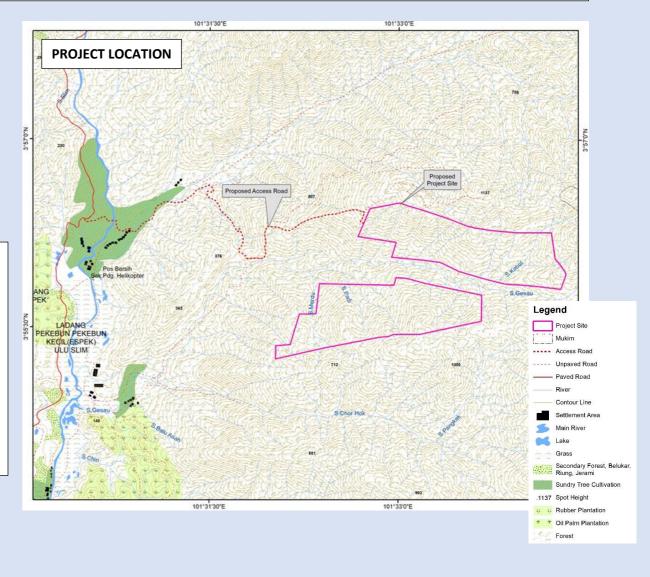
- Logging activities (site clearing)
- •Site Preparation
- Establishment of temporary Base Camp
- Nursery Establishment and Maintenance
- Field Establishment

OPERATION AND MAINTENANCE STAGE

- Maintenance of LD-P2M2 Tools
- Field Maintenance
- Harvesting
- Post-Harvest Field Maintenance
- Replanting

PROJECT DESCRIPTION

- A process of recovery for disturbed, bare or logged over forest area
- Involving timber extraction, replanting the trees and harvesting
- planting Main material species Paraserianthes falcataria also known as
- No terracing involved, silviculture practice will be implemented



BASELINE DATA

STATION	WQI	CLASS	STATION	WQI	CLASS
WQ1	94.49	I	WQ7	91.92	II
WQ2	92.15	II	WQ8	93.48	I
WQ3	88.89	II	WQ9	87.57	П
WQ4	91.15	II	WQ10	93.34	I
WQ5	85.88	II	WQ11	93.21	I
WQ6	90.42	II	WQ12	91.18	II

STATION	AIR PARAMETER PM ₁₀ (μg/m³)	NOISE PARAMETER L _{Aeq}		
		DAY (dba)	NIGHT (dba)	
AN1	13.6	48.6	35.8	
AN2	21.3	53.1	42.6	
AN3	18.5	54.5	43.8	

FAUNA

Sun Bear

• Avian = 113 species

Mammal = 16 species

Herpetofauna = 26 species

SLOPE AND ELEVATION

- Generally, this project site is lies within an elevation of 445 m to 980 m from the above MSL.
- Project site is dominated by slope 16° - 25° that make up about 52.68% (210.72 ha) of the total area.

FLORA

- Tree = 174 species
- Shrub = 31 species
- Herbaceous = 16 species
- Climber = 34 species
- Palm = 6 species
- Fern = 12 species







Drepananthus pruniferus

Southern Red Muntjac

iaxa

IMPACTS AND MITIGATION MEASURES

SIGNIFICANT IMPACTS	MITIGATION MEASURES
Soil Erosion & Sedimentation Reduce Water Quality Level	Scheduling of the development Plant cover crop Prepare silt trap & sediment basin Retain buffer zone
Waste Generation (Biomass, Solid & Scheduled Waste)	No open burning Provide garbage bins & proper storage area
Loss of Ecosystems & Habitat Human-Wildlife Conflict Declining Air Quality Loyal	Phasing clearing Human-wildlife conflict management strategies Chamicals application must be closely manitored
Declining Air Quality Level Noise Pollution	Chemicals application must be closely monitored Maintaining vehicles & machineries

	IMPACT MONITORING		
Impacts	Monitoring Parameters	Applicable Standards	Frequencies
Air Quality Level	PM ₁₀	100 μg/m³	Quarterly
	LAeq		
Noise	Lmax	Day 55 dBA	Quarterly
Quality Level	Lmin	Night 45 dBA	,
	TSS	50 mg/L	
Water Quality Level	BOD₅	3 mg/L	
	pH	6.0~9.0	Monthly
	Turbidity	50 NTU	
	DO	5~7 mg/L	
	COD	25 mg/L	
	NH3-N	0.3 mg/L	

PERFORMANCE MONITORING				
LD-P2M2 Tools	Parameters	Limits	Frequencies	
Sediment Basin/ Trap	Silt Marker	2/3 depth from sediment trap	Weekly or after rain event (in-situ)	
Perimeter Drain	Performance			
Earth Drain with Check Dam	Sediment	-	Quarterly	
Wash Trough	Level			
Temporary or permanent water- way crossing (culvert/ bridge)	Structure and Performance			