Environmental Impact Assessment (EIA) for "*Cadangan Ladang Hutan Di* Kompartmen 15, 42 dan 43 Hutan Simpan Gunung Bongsu, Daerah Hutan Kedah Selatan Berkeluasan 500 Hektar"



INTRODUCTION

- The forest proposed plantation activities located between Compartment 15 (N05°21'26.86", E100°39'23.62"), Compartment 42 (N05°20'24.51", E100°38'47.55") and Compartment 43 (N05°21'12.04", E100°38'48.87"), Gunung Bongsu Forest Reserve, Blok Perancangan 4 (BP4), Mukim Karangan and Mukim Terap, Kulim District. Kedah State on an approximately 500.00 hectares (1235.53 acres) of land.
- Consist of 3 main phases namely, pre-development, operational and treatment and maintenance phase.

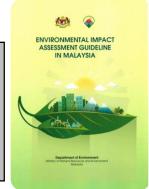
STATEMENT OF NEEDS

- To establish and manage forest plantation to supply timber supply from natural forests as well as encourage private sector investment in the establishment and development of forest plantations.
 - Supply the demand on timber products to in order to support Industrial Development Strategy, RSNK2020.
 - Project Proponent received the approval from Forestry Department Kedah State and Menteri Besar Incorporated Kedah (MBIKed) for 60 years concession period.

LEGISLATIVE REQUIREMENT

5. FORESTRY (2ND SCHEDULE)

d) Logging, or cutting or taking of timber covering an area of 500 hectares or more. e) Development of planted forest covering an area of 500 hectares or more.



PROJECT PROPONENT & EIA CONSULTANT



ASIA PLYWOOD COMPANY SDN. BHD. (Project Proponent) Plot 35-38, Kawasan Perindustrian Bukit Selambau,

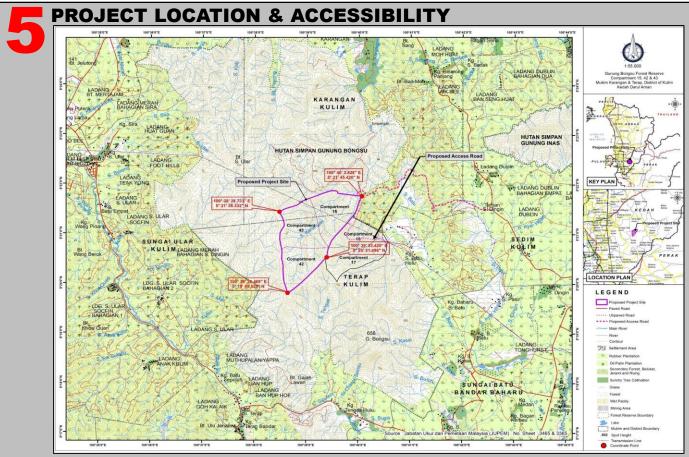
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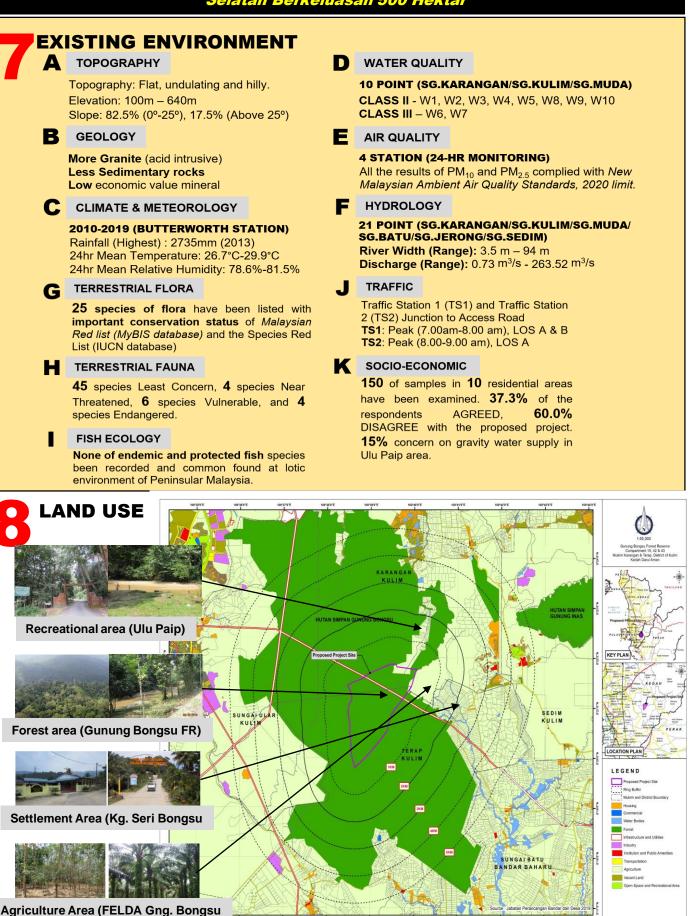
Compartment 15 (N05°21'26.86", E100°39'23.62"), Compartment 42 (N05°20'24.51", E100°38'47.55") and Compartment 43 (N05°21'12.04", E100°38'48.87"), Gunung Bongsu FR, *Blok Perancangan* 4 (BP4), *Mukim* Karangan and *Mukim* Terap, Kulim District, Kedah State on an approximately **500.00 hectares** (1235.53 acres) of land.

28 km distance from Kulim Town through **Federal Road 169 (FR169)** and unpaved road at FELDA Gunung Bongsu.

Major access is **unpaved road** at Kg. Seri Bongsu (K1057) and the existing logger track (Compartment 16 & 17) at N05°20'42.1", E100°40'54.0".



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No significant impact and	d no specified mitiga ND MITIGATION M Moderate / Adverse Impacts	SURES DURING PRE-DEVELOPMENT ation measures is required EASURES DURING OPERATIONAL • Momentary road humps/speed bumps can be
No significant impact and PART B: POTENTIAL IMPACTS A ir Quality The main sources of air pollution will be from the particulate matter emitted from movement of logging vehicles and equipment. Air pollution from the project is considered to be temporary and short term. /ater Quality	d no specified mitiga ND MITIGATION M Moderate / Adverse Impacts	 ation measures is required EASURES DURING OPERATIONAL Momentary road humps/speed bumps can be
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Air pollution from the project is considered to be temporary and short term. /ater Quality		constructed in the project site.
temporary and short term. /ater Quality		Unpaved roads shall be squirted with water to
		lessen dust pollution during the dry season.
The land-disturbing activity is likely to generate		
	;	The LD P2M2 tools must be improved and
potential environmental impacts (from the loose	High / Adverse	 The LD-P2M2 tools must be inspected and maintained regularly in order to maintain their
sediment being carried off site via surface	e Impacts	maintained regularly in order to maintain their
runoffs).		working effectiveness measures.
ydrology		
The sediment from disturbed soils and slope	High / Adverse	 Install sediment traps or screens to control runof
would be transported into the adjacent rivers	Impacts	and sedimentation effects.
before entering into the major rivers.	impacts	Minimize the use of backfilling.
oil Erosion		
During operational (logging activities), the worst-		The LD-P2M2 tools must be inspected and
case scenario represents a situation where the		maintained regularly in order to maintain thei
area is completely disturbed leaving a bare top		working effectiveness measures.
soil, with no crop/plant cover or good		• Existing vegetation shall be maintained to the
conservation practices are not employed before closing stage initiated.	<i>;</i>	maximum extent to filter runoff.
eology		
The main impact (slope failure) will be landslides		
from the newly cut slope that might occur during	ivioderate /	All slope surfaces must be turfed as soon as
the slope cutting process or after slope cutting.	Adverse Impacts	possible to help in reducing soil erosion.
errestrial Flora		
Habitat degradation by vegetation clearing and	High / Adverse	· Progressive rehabilitation of affected areas to
extraction, resulting in habitat transformation with	Impacts	restore ecosystem function, where possible.
complete loss.	impacto	
errestrial Fauna	1	
Clearing and opening of large areas within forest		Hunting of any endangered and protected species
reserve will pose threats to wildlife (poaching &	Impacts	is prohibited.
human-wildlife conflicts).	· ·	
ocio-Economic	1	la Identify each rivere water supply to avoid
Majority of local resident worried about mud-flood		 Identify each rivers water supply to avoid disruption alternative water supply to community
incidents.	High / Adverse	and build a tube-well (if necessary).
	-	
Some resident in Kg. Ulu Paip used Sg. Karangan as alternative water resources.	impacts	 The project proponent must follow the recommendations mitigation for water quality river
Narangan as allemative water resources.		and soil erosion control put forward in this report.
PART C: POTENTIAL IMPACTS AND MITH	GATION MEASURF	ES DURING TREATMENT & MAINTENANCE
/ater Quality		
The maintenance works will remove smaller	· [
plants and vegetation within the area and the		· Existing vegetation shall be maintained to the
anticipated environmental impacts will be low	, Low / Adverse	maximum extent to filter runoff and provide
		erosion protection.
compared during site preparation and operational	1	1
stages.		
stages. errestrial Fauna		
stages. errestrial Fauna The impact of cleared vegetation as barrier is		Hunting of any endancered and protected species
stages. errestrial Fauna The impact of cleared vegetation as barrier is higher if the proposed area located within the	2	 Hunting of any endangered and protected species is prohibited.
stages. errestrial Fauna The impact of cleared vegetation as barrier is	, Moderate / Adverse Impacts	 Hunting of any endangered and protected species is prohibited. It is the best for not camping or stay inside the