

## CHAPTER 1 : INTRODUCTION

### 1.1 TITLE OF PROJECT

The title of the Project is **PROPOSED RUBBER FOREST PLANTATION ON PARTS OF COMPARTMENT 126, 131 & 132 (BLOCK 1) AND PARTS OF COMPARTMENT 125, 126, 131 & 132 (BLOCK 2) WITH AN AREA OF 1,600.00 HECTARES (3,953.67 ACRES) AT PIAH FOREST RESERVE, DISTRICT OF HUTAN KUALA KANGSAR, PERAK DARUL RIDZUAN**

Hereinafter, it is referred as the 'Project'.

### 1.2 PROJECT PROPONENT AND QUALIFIED PERSONS

The initiator of the project is **Hanamurni Sdn. Bhd.**, a private limited company incorporated in Malaysia under Companies Act, 1965. The proposed plantation shall be operated and managed by the well-experienced project team in the plantation industry in order to develop forest plantation of *Hevea Brasiliensis* (TLC Variety) species. Company registration of the Project proponent is shown in **Appendix 1-A**.

In compliance with the environmental laws and requirements, **ECA Environmental Consultant Agencies** joint venture with **Nilaimas Services** as an Environmental Consultant has been commissioned to prepare the EIA Report for submission to the Department of Environment, Perak. The environmental and analytical services for air, water quality, and noise level measurements have been fully supported by **ChemVi Laboratory Sdn. Bhd.** which is a qualified laboratory established in Shah Alam, Selangor. Certificate of the Accreditation Scheme of Malaysia – SAMM 213 for the laboratory is shown in **Appendix 1-B**. The details of project proponent and consultant are shown in **Table 1.1**. Any enquiry regarding the proposed project may contact the respective concerned discipline.

Details of the Environmental Consultant and their study field are as listed in **Table 1.2**.

**Table 1.1 : Project Proponent, Environmental Consultant and Qualified Laboratory**

PROJECT PROPONENT/DEVELOPER	
<p><b>HANAMURNI SDN. BHD.</b> (Company No.: 471715-T)</p> <p>B-04-02, Tingkat 4, No. 42, Persiaran Greentown 1, Greentown Business Centre 30450, Ipoh, Perak Darul Ridzuan. Contact Person: Yong Kit Mun Telephone: 012 – 916 3133</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><b>HANAMURNI SDN. BHD.</b> (Company No.: 471715-T)</p> </div>
ENVIRONMENTAL CONSULTANT	
<p><b>EIA Consultant:</b></p> <p><b>NILAIMAS SERVICES</b> (001953513-D)</p> <p>No. 17-2 &amp; 17-3, Jalan Equine 10D, Taman Equine, 43300 Seri Kembangan, Selangor Tel.: 03-8940 9959, Fax : 03-8940 9958 Contact Person: Hj. Mohd Nawahidudin Bin Mahamad Isa</p>	
	
<p><b>In Cooperation With:</b></p> <p><b>ECA ENVIRONMENTAL CONSULTANT AGENCIES</b></p> <p>C-11-24, Komplek Sukan Kinrara, Taman Kinrara Seksyen 3, 47100 Puchong Selangor. Tel: 019-3615581, Fax: 03-80703883 Contact Person: Rosli Bin Omar</p>	
	

### QUALIFIED LABORATORY

#### Laboratory Services:

#### **CHEMVI LABORATORY SDN. BHD.**

(514202-D)




No. 22A, Jalan Sungai Jeluh 32/192,  
Nouvelle Kemuning Industrial Park,  
Bukit Rimau, Sec 32, 40460 Shah Alam,  
Selangor Darul Ehsan.




Tel.: 03-5525 3505/ 5525 3506,

Fax.: 03-5525 3508/ 5525 3509



**Table 1.2 : Environmental Consultant Team Members**

No.	Name	Qualifications	Registration with DOE				Proposed Study Area	Signature
			Category	Area/Field	ID No.	Valid Date		
<b>A. EIA Team leader</b>								
1.	Tn Hj. Nawahidudin Mahamad Isa	<i>Dip. Town Planning (UiTM)</i> <i>B.Sc Construction Management (Anglia Polytechnic University)</i>	EIA Consultant	-Traffic Impact Assessment  -Social Impact Assessment	C0350	May 2021	-Traffic Impact Assessment  -Social Impact Assessment	
<b>B. EIA Team Members</b>								
2.	Mohd Zikri Bin Azmi	<i>B. Eng. Chemical (UPM)</i>	EIA Consultant	-Air Quality  -Noise Level	C0398	May 2021	-Air Quality  -Noise Level	
3.	Noor Harniza Binti Haris	<i>M. Sc Environment Management (UPM)</i> <i>B.Sc Applied Science (USM)</i>	EIA Consultant	- Ecological Studies	C0347	May 2021	- Ecological Studies (Terrestrial Flora & Fauna)	

4.	Dr. Ir. Mohd Farid Ahmad	<p><i>PhD Research in Ground Improvement Area (USM)</i></p> <p><i>M.Sc Geotechnical Engineering (USM)</i></p> <p><i>B.Eng Civil (University of Wollongong, Aus)</i></p>	Subject Consultant	-Geotechnical studies	SS0423	January 2020	<p>-Certified Professional Erosion &amp; Sediment Control (CPESC)</p> <p>-Geotechnical Studies</p>	
5	Zaharil Bin Dzulkafly	<i>B.Sc (Forestry)</i>	Subject Consultant	-Ecological Studies	SS1058	May 2020	-Ecological Studies (Fauna)	
6	Kamarul Azlan B. Mohd Nasir	<p><i>M.S. in Civil Engineering, Hydrology and Water Resources, (UTM)</i></p> <p><i>BSc in Civil Engineering, Louisiana State University, USA</i></p>	Subject Consultant	-Hydrology	SS0748	January 2019	<p>-Hydarulic Study</p> <p>-Hydrology Study</p> <p>-Water Quality Modelling</p>	

## 1.3 PROJECT BRIEF

### 1.3.1 Introduction

The proposed Project is located on parts of Compartment 126, 131 & 132 (Block 1) and parts of Compartment 125, 126, 131 & 132 (Block 2) with an area of 1,600.00 Hectares (3,953.67 Acres) at Piah Forest Reserve, District of Hutan Kuala Kangsar, Perak Darul Ridzuan. The proposed Project area consists of valley and high hills where the highest level is 890 m above mean sea level (MSL) and the lowest level is 190 m above mean sea level (MSL). Most of the proposed area is covered with forest trees.

### 1.3.2 Location and Accessibility

Pos Gapeh and Sekolah Kebangsaan Pos Piah are about 2 km southwest and 2.8 km southern from the proposed site, respectively. Kampung Lalang is situated approximately 2.5 km southwest from the proposed site. Meanwhile, Kampung Chat and Kampung Kekabu are located about 3 km southwest and 3.75 km southwest from the proposed Project site. Ladang Tasik Kenering is located about 5 KM northwest from the proposed site. Sekolah Kebangsaan Pos Poi (Sungai Siput Utara) is located about 8.8 km southeast from the proposed site. Lenggong is located about 25 km western from the proposed Project site. Sungai Siput and Taiping are situated approximately 35 km southern and 56 km southwest from the proposed Project site, respectively. **Figure 1.1** shows the pictorial view of site.

**Figure 1.2** shows the map of Project location meanwhile, **Figure 1.3** illustrated the details Project site with the coordinates of the Project boundary. The Project site is made reference to the Standard Sheet from the Department of Survey and Mapping (JUPEM), Pos Poi, Perak, and lies on the series number MY502A and sheet number FD41 (See **Appendix 1-C**).





**Figure 1.1 : Pictorial View of Project Site**



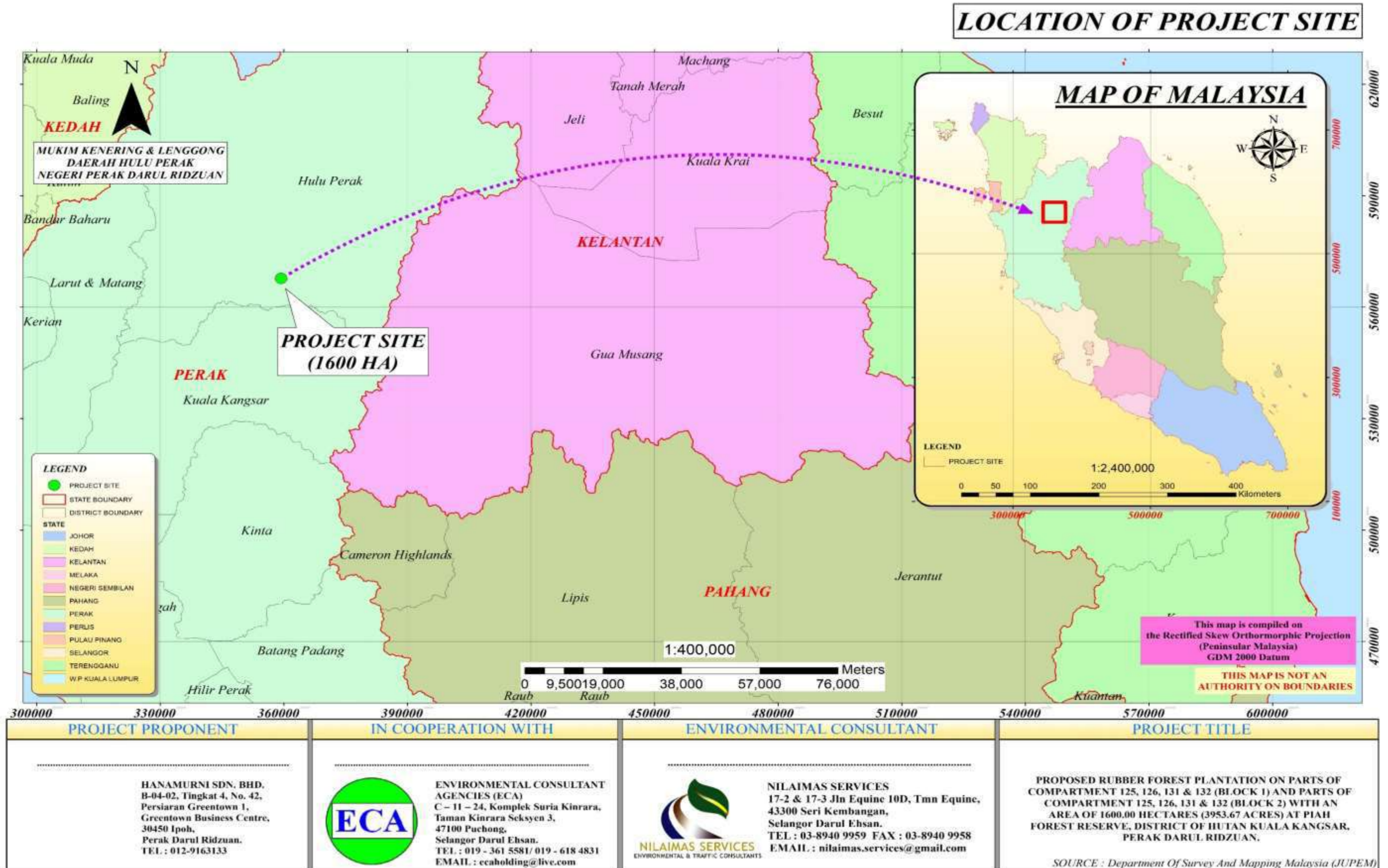


Figure 1.2 : Location of Project Site



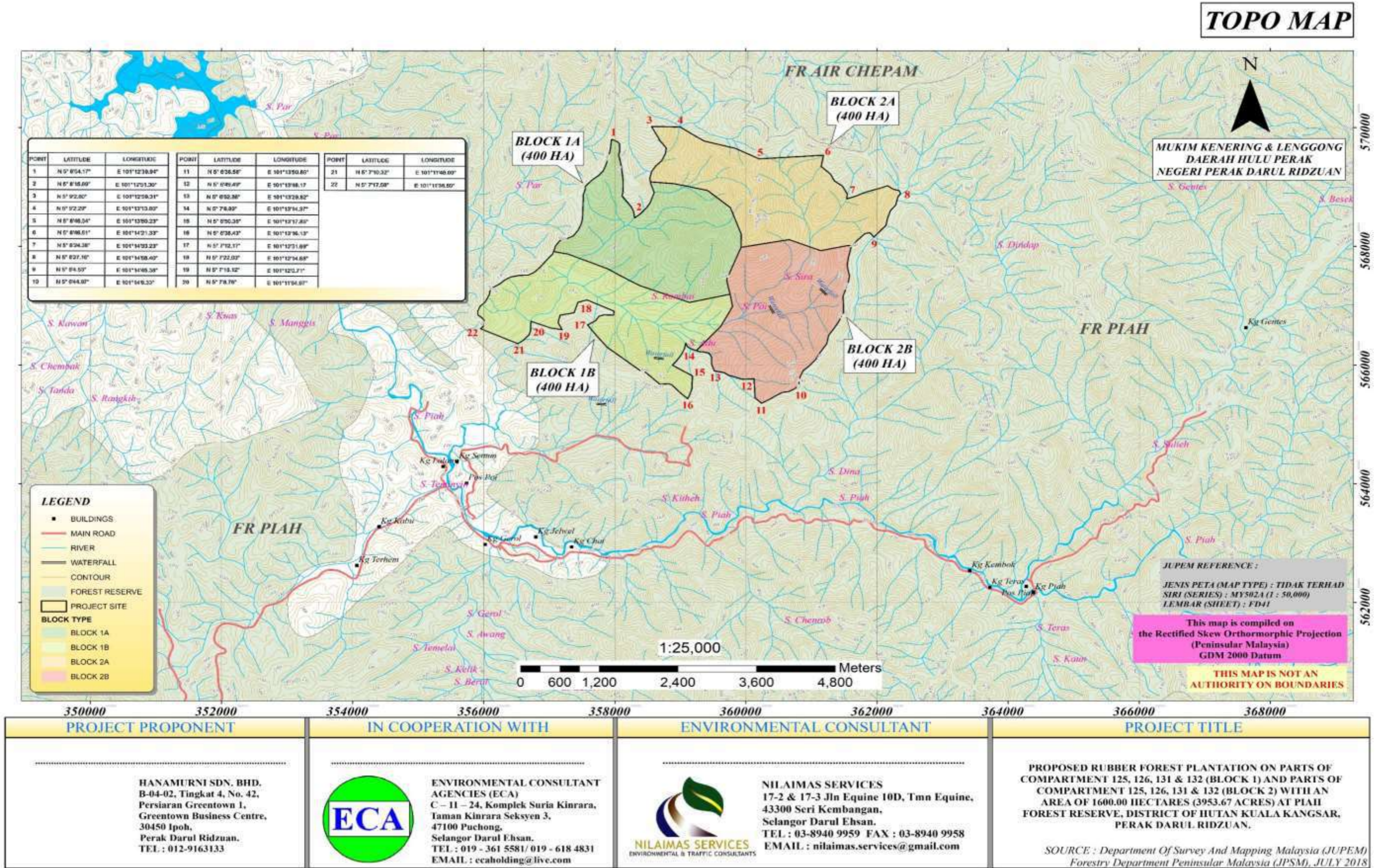


Figure 1.3 : Topo Map



## 1.4 LEGAL ASPECTS

### 1.4.1 Prescribed activity is subject to section 34A, Environmental Quality Act, 1974.

The proposed Project falls under Second Schedule, Prescribed Activity 5(d) and 5(e) according to the Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015. Second Schedule, Prescribed activity:

- 5(d) refers to FORESTRY: Logging, or cutting or taking of timber covering an area of 500 hectares or more.
- 5(e) refers to FORESTRY: Development of planted forest covering an area of 500 hectares or more.

Thus, the development of this project requires the approval of the Department of Environment (DOE) before it can be granted the permission to proceed.

The EIA is carried out based on the above schedule and the requirements of DOE HQ, via letter dated 6 August 2018 [ref: AS(PN)11/121//000/052Jld.2(06)] (**Appendix 1-D**).

### 1.4.2 Conformance of proposed project to government's development plans.

According to Rancangan Tempatan Daerah Hulu Perak 2030 (Gazette No.: 2106) which has been gazetted on 3rd August 2017, the proposed site is located in Blok Perancangan (BP) 5 Kenering, Blok Perancangan Kecil (BPK) 5.4: Air Ganda which zoned as forest (Hutan Simpan Air Chepam) and Blok Perancangan (BP) 8: Lenggong, Blok Perancangan Kecil (BPK) 8.5: Lenggong Agro Valley which zoned as forest (Hutan Simpan Piah).

The proposed Project activity is in accordance with the Rancangan Tempatan Daerah Hulu Perak 2030 and decision of Majlis Mesyuarat Kerajaan Negeri Perak (Bil. 1700 on 16 May 2012) and Dasar Perindustrian Kayu Negara (NATIP 2009-2020). Zoning approval letter for this Project is shown in **Appendix 1-E**.

In addition, this Project had been approved for logging and forest plantation by the Department of Forestry, Perak State through their letter on 26<sup>th</sup> March 2014 (**Appendix 1-F**).

### 1.4.3 Supporting Regulatory References

Other relevant Acts, Regulations and Guidelines referred to in this EIA are:

- i. EQA 1974 (Act 127), Regulations, Rules and Orders [Legal Research Board (LRB), 2015], which includes:
  - Environmental Quality (Clean Air) Regulations 2014.
  - Environmental Quality (Sewage) Regulations 2009.
  - Environmental Quality (Scheduled Wastes) regulations 2005 (Amendment) 2007.
  - Environmental Quality (Motor Vehicle Noise) Regulations 1987.
  - Environmental Quality (Control of Emission from Diesel Engines) Regulations 1996.
  - Environmental Quality (Control of Emission from Petrol Engines) Regulations 1996.
  - Environmental Quality (Control of Emission from Motorcycles) Regulations 2003.
- ii. Town and Country Planning Act 1976 (Act 172) (LRB, 1995).
- iii. Occupational Safety and Health Act 1994 (OSHA) (Act 514) & Regulations and Orders (LRB, 2006).
- iv. A handbook of EIA Guidelines, 4<sup>th</sup> Edition (DOE, 2007).
- v. Environmental Impact Assessment Guidelines in Malaysia (DOE, 2016).
- vi. Guidelines for Prevention and Control of Soil Erosion and Siltation in Malaysia, 2<sup>nd</sup> Edition (DOE, 2008).
- vii. Guidelines for Erosion and Sediment Control in Malaysia [Department of Irrigation and Drainage (DID), 2010].
- viii. Buku Panduan Kawasan Sensitif Alam Sekitar Malaysia (DOE, 1993).

- ix. The Planning Guidelines for Environmental Noise Limits and Control, 2<sup>nd</sup> Edition (DOE, 2007)
- x. Urban Storm Water Management Manual, 2<sup>nd</sup> Edition (MSMA-2) (DID, 2012).

Other details reference and guidelines are as in **Appendix 1-G**.

## 1.5 STUDY OBJECTIVES

Besides meeting the legislative requirement, EIA provides a timely and useful avenue for integrating environmental considerations into the decision-making process during the planning of a Project. For the EIA to be effective, the following objectives will need to be met:

- i. Obtain baseline data for the existing environment, against which the impacts from the Project can be assessed.
- ii. Assess the potential impacts, both negative and beneficial, on the physical, chemical, biological and human components in the impact area, focusing on the main environmental issues that need to be mitigated.
- iii. Advise the Project Proponent on the main potential negative environmental impacts for which mitigation measures will be required.
- iv. Recommend mitigation measures to minimise/offset any potential negative environmental impacts.
- v. Provide the potential significant residual impacts, and plan for monitoring the changed environment.

## 1.6 SCOPE OF WORK

The main scope of works in this EIA includes:

- i. Description of the likely main activities during each phase in the Project.
- ii. Assessment of the need of the project
- iii. Evaluation of Project options.



- iv. Carry out field surveys, sampling and secondary data compilation to gather information on the existing sensitive receptors in the physico-chemical, biological and human environments within the Project boundary.
- v. Provision of relevant standards, guidelines and other regulatory norms, with which to evaluate the degree, significance and implication of impacts by the Project.
- vi. Recommendation of appropriate mitigation measures to reduce the potential adverse environmental impacts to an acceptable level.
- vii. Prediction of potential significant residual impacts and plan for a monitoring and surveillance programme for the changed environment.
- viii. Drafting an Environmental Management Plan (EMP) framework to manage the environment that includes monitoring, inspection and auditing throughout the Project.

## 1.7 STRUCTURE OF THE EIA REPORT

The structure of this EIA report is as shown in **Table 1.3**.

**Table 1.3: Structure of the EIA Report**

Chapter/Title	Focus
Chapter 1: Introduction	Provides the Project brief, location, legal requirements, objectives, scope of work and details of key players involved.
Chapter 2: Terms of reference of EIA Study	Provide the TOR of the EIA study which has been endorsed by the DOE.
Chapter 3: Statement of Need	Justifies the need of the Project.
Chapter 4: Project Options	Considers the available options for the Project.
Chapter 5: Project Description	Overall description of the Project, development components and associated facilities as well as the Project schedule.
Chapter 6: Existing Environment	Describes the existing environment in its physico-chemical, biological and human components. The

	baseline data will be used later to assess the impacts arising from the Project.
Chapter 7: Evaluation of Impacts	Identifies and describes the potential major impacts on the environment throughout the Project.
Chapter 8: Mitigation Measures	Recommended P2M2 related throughout the Project.
Chapter 9: Environmental Management Plan (EMP)	Presents the EMP framework, environmental performance indicators and compliance criteria, environmental monitoring programme, environmental auditing, environmental training and emergency response plan (ERP) framework.
Chapter 10: Study Findings	Conclusion drawn from the study.