

## **1.0 INTRODUCTION**

### **1.1 Project Title**

This Environmental Impact Assessment (EIA) Report is prepared for:

**THE PROPOSED “PENAMBAKAN KAWASAN LAUT SELUAS 400 EKAR UNTUK CADANGAN PEMBANGUNAN BERCAMPUR-CAMPUR, KAWASAN BANDAR XLVI, DAERAH MELAKA TENGAH, MELAKA SECARA PENSWASTAAN UNTUK YAYASAN MELAKA”.**

### **1.2 Project Proponent**

This project is initiated by **Yayasan Melaka**. Any enquiries regarding the project can be directed to:

**YAYASAN MELAKA**  
No.40 - 48 & 52, Jalan BKD 27,  
Taman Bukit Katil Damai 2,  
75450 Bukit Katil, Melaka, Malaysia  
(Attn: En. Ahamad Kamel bin Ismail)  
Tel / Fax : 06-2311822 / 06-2311307

### **1.3 Environmental Consultants**

An environmental study team comprising of multi-disciplinary specialists were appointed to carry out the Environmental Impact Assessment (EIA) Study. The team is led by **Mr. Gopinath Nagaraj**, an EIA Consultant registered with the Department of Environment (DOE Reg. No. CS0474). Enquiries and correspondence pertaining to this report can be made to:

**CIRI SELASIH SDN. BHD.** (Co. Reg. No.: 372321-V)

No. 40, Jalan TU 40,

Taman Tasik Utama,

75450 Ayer Keroh, Melaka.

(Attn : Datuk Ir. Othman Abdul Rahim)

Tel / Fax : 06 – 253 4005 / 06 – 231 0895

E-mail : [ciriselasih@gmail.com](mailto:ciriselasih@gmail.com)

**Table 1.1** shows the list of team members who are involved in the EIA study.

**Table 1.1 : List of EIA Team Members**

Name	Qualification	Registration With DOE				Proposed Study Area	Supervisor
		Category	Area/ Field	ID. No.	Valid Date		
<b>A. EIA STUDY TEAM LEADER</b>							
Gopinath Nagaraj	Certificate in Fish Hatchery Management, B.Sc. (Aquatic Biology), Master in Aquaculture	EIA Consultant	<ul style="list-style-type: none"> <li>• Fisheries</li> <li>• Ecological Studies (Marine &amp; Freshwater Ecology)</li> <li>• Aquaculture</li> </ul>	CS0474	31 May 2021	<ul style="list-style-type: none"> <li>• Fisheries &amp; Aquaculture</li> </ul>	Not applicable
<b>B. EIA CONSULTANT / SUBJECT CONSULTANT</b>							
Datuk Ir. Othman bin Abdul Rahim	B.Sc. (Hons.) Civil Engineering  Professional Engineer with the Board of Engineers (BEM)	EIA Consultant	<ul style="list-style-type: none"> <li>• Hydrology</li> <li>• Water Quality</li> </ul>	C0006	31 July 2019	<ul style="list-style-type: none"> <li>• Hydrology</li> <li>• Water Quality</li> <li>• Construction Activities</li> </ul>	Not applicable
Puvanesuri Sandera Sagaren	Master of Environment, B.Sc. (Hons.) Aquatic Biology	Subject Consultant	<ul style="list-style-type: none"> <li>• Ecological Studies (Freshwater &amp; Marine Ecology)</li> <li>• Fisheries &amp; Aquaculture</li> </ul>	SS0956	30 November 2020	<ul style="list-style-type: none"> <li>• Marine Ecology</li> </ul>	Not applicable

Name	Qualification	Registration With DOE				Proposed Study Area	Supervisor
		Category	Area/ Field	ID. No.	Valid Date		
Ms. Ng Shu Chin	M.Sc. (Sanitary and Environmental Engineering), Certified Professional in Erosion & Sediment Control (CPESC No. 6585)	EIA Consultant	<ul style="list-style-type: none"> <li>Hydrology</li> <li>Water Quality</li> <li>CPESC</li> </ul>	C0270	31 July 2019	<ul style="list-style-type: none"> <li>Water Quality</li> </ul>	Not applicable
Prof. Dr. Mohd Shahwahid Haji Othman	B.Sc. (Forestry), MA (Economics), MS (Resource Management & Policy), PhD (Resource Management & Policy)	Subject Consultant	<ul style="list-style-type: none"> <li>Economic Valuation / Economic Analysis</li> <li>Social Impact Assessment</li> </ul>	SS0523	9 April 2021	<ul style="list-style-type: none"> <li>Social Impact Assessment</li> <li>Economic Valuation</li> </ul>	Not applicable
Prof. Dr. Capt. Mohd Ibrahim Hj. Mohamed	PhD (Marine), M. (Marine Affairs)	Subject Consultant	<ul style="list-style-type: none"> <li>Maritime Studies</li> <li>Marine Studies</li> </ul>	SS1054	31 March 2020	<ul style="list-style-type: none"> <li>Marine Traffic Assessment</li> </ul>	Not applicable
<b>C. EIA ASSISTANT CONSULTANT</b>							
Norhayati Sabudin	B.Sc. (Fishery Science)	Assistant Consultant	<ul style="list-style-type: none"> <li>Ecological Studies (Marine &amp; Freshwater Ecology)</li> <li>Aquaculture</li> </ul>	AC1050	Not applicable	<ul style="list-style-type: none"> <li>Fisheries &amp; Aquaculture</li> </ul>	Mr. Gopinath Nagaraj (CS0474)

Name	Qualification	Registration With DOE				Proposed Study Area	Supervisor
		Category	Area/ Field	ID. No.	Valid Date		
Faizah binti Othman	B. Eng (Hons) (Chemical Engineering)	Assistant Consultant	<ul style="list-style-type: none"> <li>• Water Quality</li> <li>• Wastewater</li> <li>• Chemical &amp; Industrial Processes</li> </ul>	AC1321	Not applicable	<ul style="list-style-type: none"> <li>• Hydrology</li> <li>• Water Quality</li> <li>• Construction Activities</li> </ul>	Datuk Ir. Othman Abdul Rahim (C0006)

## 1.4 Supporting Laboratories

Environmental monitoring works (baseline monitoring) for water quality, air quality and noise level was conducted by the following accredited laboratory:

**SPECTRUM LABORATORIES SDN. BHD.** (SAMM No.: 062)

Lot 14 (PT 5015), Jalan Pendamar 27/90,

Seksyen 27, 40000 Shah Alam,

Selangor Darul Ehsan

(Attn : Mr. K. C. Kan)

Tel / Fax : 03 – 5192 3188 / 03 – 5191 8188

E-mail : [spectrumlabkl@spectrumlab.com.my](mailto:spectrumlabkl@spectrumlab.com.my)

## 1.5 Project Background

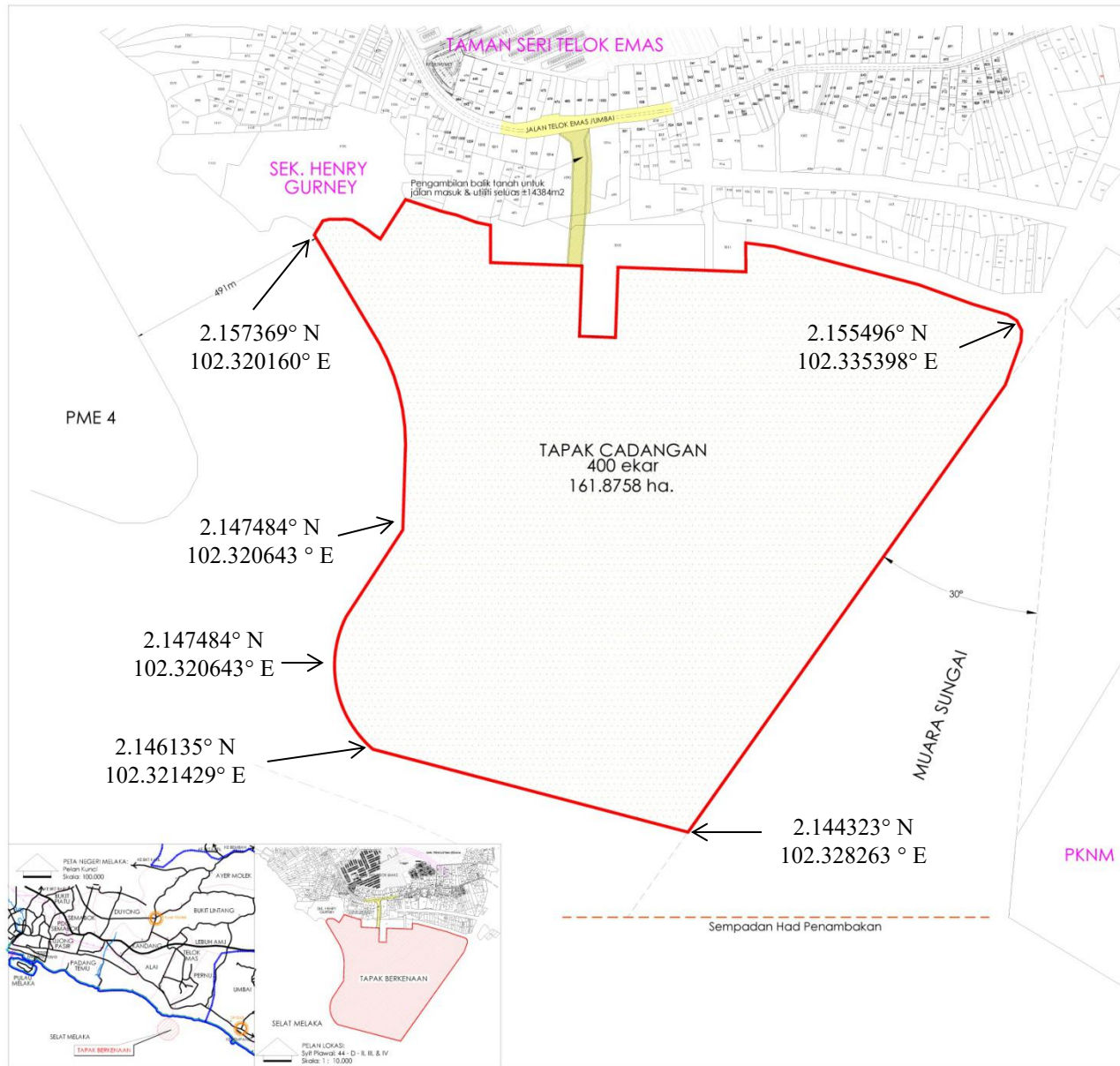
The project is located at Kawasan Bandar XLVI, District of Melaka Tengah, Melaka. The nearest landmark is Sekolah Henry Gurney, located at the northwest of the site. **Figure 1.1** shows the location of the project site. Yayasan Melaka intends to reclaim 400 acres (161.87 hectares) of the foreshore area at the proposed location. The overall layout is as shown in **Figure 1.2**.

## 1.6 Legal Aspects

Since the proposed project is a prescribed activity that falls under **Activity 7(a)** i.e. coastal reclamation or land reclamation along river banks involving an area of 50 hectares or more in the **Second Schedule, Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015**, the project proponent is required to prepare and submit an Environmental Impact Assessment (EIA) report to ensure the EIA is undertaken, consonant with the protocols established by the Director General of the Department of Environment (DOE), Malaysia.



**Figure 1.1: Location of the Project Site**



DULUSKAN OLEH:			
Majlis Bandaraya Melaka Bersejarah	Pengerang Tanah Dan Galan		
<p>PERMOHONAN MENAMBAK KAWASAN LAUT SELUAS ±400 EKAR UNTUK CADANGAN PEMBANGUNAN BERGAMPUR-CAMPUR KAWASAN BANDAR XLVI, DAERAH MELAKA TENGAH, MELAKA SECARA PENGSWASTAAN UNTUK TETUAN YAYASAN MELAKA</p>			
PANDUJIAN:			
JENIS PEMBANGUNAN	BL. LOT	KELUASAN M2	%
INFRASTRUKTUR:			
<ul style="list-style-type: none"> <li>Cadangan Pengambilan Balik Tanah Untuk Jalan Keluar / Masuk &amp; Labuan Utiliti</li> </ul>			
KAWASAN TAMBAKAN			
<ul style="list-style-type: none"> <li>Kawasan Konsesi Pengswastaan Yang Diluluskan</li> <li>Cadangan Kawasan Penambakan</li> </ul>	1	1618758m <sup>2</sup>	400.00ak
Jumlah Lot Keseluruhan:	1	1618758m <sup>2</sup>	400.00ak
<p>NOTA:</p> <p>1. Jumlah keluasan tapak ini ialah 161.8758ha (400 ek).</p>			
Pelan tafelur ini disediakan oleh Jururancang Berdaftar:	Tandatangan Pemohon:		
	YAYASAN MELAKA		
<p><b>KONSEP CADANGAN SDN BHD</b></p> <p>NO. 11, JALAN BUKU BARU 11/1, TAMAN BUKU BARU, 75200 MELAKA</p> <p>TEL: 06-22331111</p> <p>WWW.KONSEPCADANGANSDN.BHD.COM</p>			
BIL. PELAN	: K/38/M/18/1/442	UTARA	
BIL. FAIL	: K/38/M/1/442		
SYIT PIAUWAI	: 44-D-B, III & IV		
SKALA	: 1 : 4 500		
DISEMAK OLEH	: RgB/PH	TARIKH	: 13-03-2018
DISEMAK OLEH	: Dar Rg	TARIKH	: 13-03-2018

Figure 1.2: Overall Layout Plan



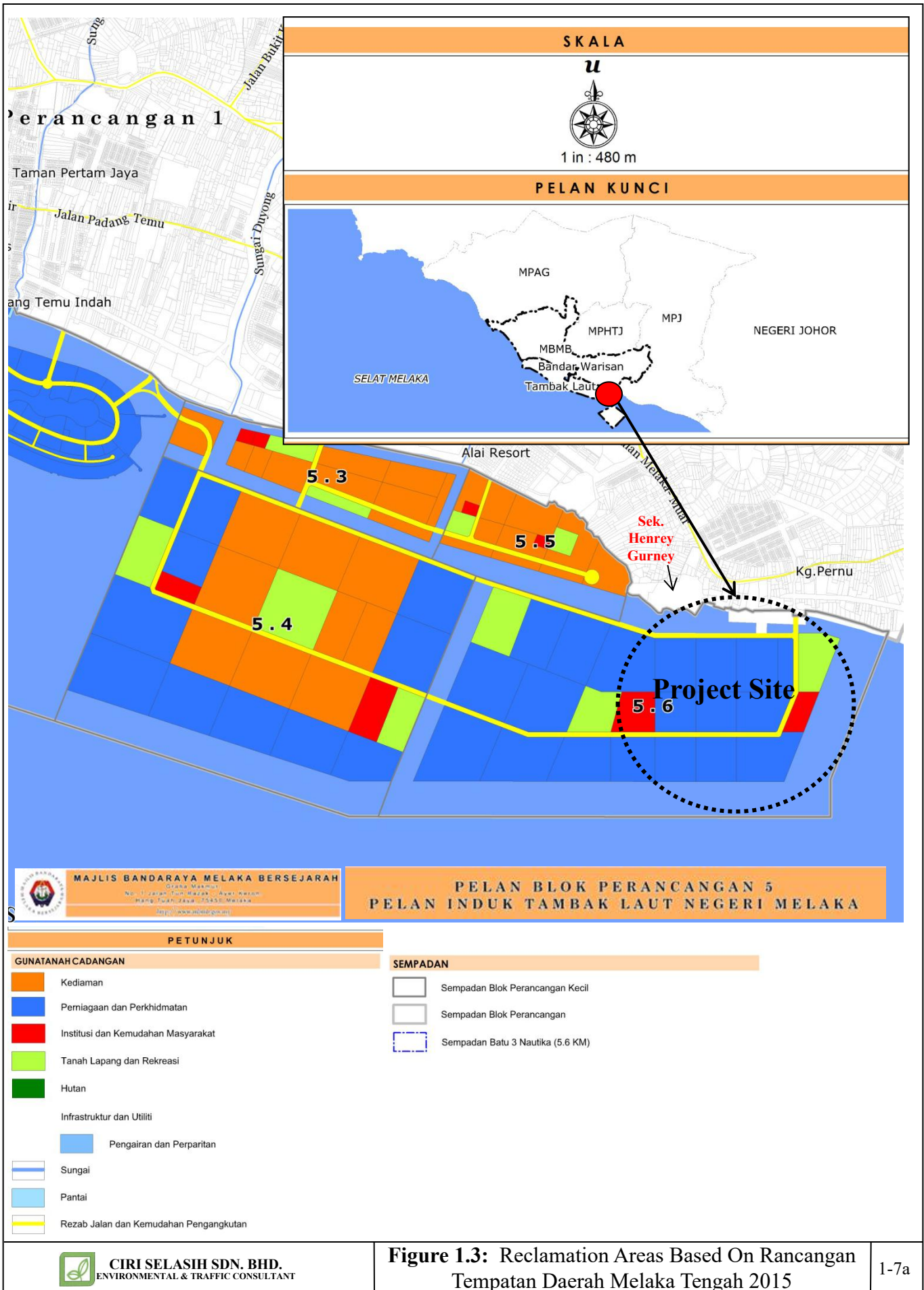
With reference to the *Rancangan Tempatan Daerah Melaka Tengah 2015* (refer to **Figure 1.3**), *Rancangan Struktur Negeri Melaka 2035* and *Laporan Cadangan Pemajuan* (LCP) prepared by the appointed project planner (see **Appendix II**), the proposed project is in line with the State Planning.

## **1.7 Objectives of The EIA Study**

This EIA study is directed towards providing a comprehensive evaluation of the environmental impacts resulting from the proposed project and recommending suitable mitigation measures to alleviate those impacts. In this respect, the main objectives of the EIA study are:

- i. Identify, predict and evaluate the economic, environmental and social impacts of the proposed development activities;
- ii. Provide an independent assessment on environmental issues related to the proposed project to the project proponent and the relevant authorities for information and consideration;
- iii. Assess the extent of short term as well as long term environmental impacts which are likely to occur during both the construction and operational phases of the project based on the existing available information;
- iv. Provide advice on appropriate cost effective mitigation measures, which can be applied to minimise adverse impacts to tolerable levels so that irreparable damage to the environment in the local and regional context does not occur;
- v. Propose to the project proponent an initial guidance for environmental surveillance and monitoring during the construction and operation phase of the project.

The assessment of the environmental impacts will follow the procedures laid down in the DOE’s Environmental Impact Assessment Guideline in Malaysia (2016) and Environmental Impact Assessment Guidelines for Land Reclamation and Dredging (2018).



**Figure 1.3:** Reclamation Areas Based On Rancangan Tempatan Daerah Melaka Tengah 2015