

## **SCHEDULE 2**

# **ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED 120 ACRES OF COASTAL RECLAMATION AND 50 ACRES OF WATER CHALETS (WITHOUT RECLAMATION) AT PEKAN KLEBANG SECTION III, MUKIM KLEBANG BESAR, DAERAH MELAKA TENGAH, MELAKA**

**OCTOBER 2017**

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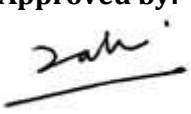
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**Project:**

Proposed 120 Acres of Coastal Reclamation and 50 Acres of Water Chalets (Without Reclamation) at Pekan Klebang Section III, Mukim Klebang Besar, Daerah Melaka Tengah, Melaka

**Title:**

Second Schedule Environmental Impact Assessment for the Proposed 120 Acres of Coastal Reclamation and 50 Acres of Water Chalets (Without Reclamation) at Pekan Klebang Section III, Mukim Klebang Besar, Daerah Melaka Tengah, Melaka

<b>Client:</b> Awan Plasma Sdn Bhd	<b>Date:</b> 6 <sup>th</sup> October 2017
<b>Summary:</b> Second Schedule Environmental Impact Assessment for the Proposed 120 Acres of Coastal Reclamation and 50 Acres of Water Chalets (Without Reclamation) at Pekan Klebang Section III, Mukim Klebang Besar, Daerah Melaka Tengah, Melaka	<b>Doc No.:</b> IESB-APSB/EIAKLEBANG/REV01
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# APPENDICES

- Appendix 1-1 The Penilaian Awal Tapak (PAT) approval letter for the Project with reference no ASMK(B) 50/011/100/000 dated 17th August 2016
- Appendix 1-2 Endorsement letter for Terms of References (TOR) dated 21st August 2017 [Ref: AS 50/013/100/080(11) Jilid 2]
- Appendix 4-1 Concession agreement for the Development
- Appendix 6-1 Laboratory Certificates for the Baseline Study-Seawater, Sediment, Air and Noise
- Appendix 6-2 Examples of the questionnaire Survey
- Appendix 7-1 JPS Approval Letter for Coastal Hydraulic Study for “*The Projek Penambakan Laut Seluas 170 Ekar Di Mukim Klebang Besar*”, Central District of Melaka, Melaka
- Appendix 7-2 A Comprehensive Hydraulic Study - Reclamation Project, Impacts on Sungai Lereh and Mitigation Measures
- Appendix 7-3 Traffic Impact Assessment
- Appendix 8-1 UPEN Extension Letter



# List of Abbreviation

ADCP	Acoustic Doppler Current Profiler
AET	Apparent Effect Threshold
ALARP	As Low As Reasonably Practicable
APCS	Air Pollution Control System
APSB	Awan Plasma Sdn Bhd
AS	Audio Sampling
ASTM	American Society for Testing and Materials
BMP	Best Management Practices
CD	Chart Datum
CIDB	Malaysian Construction Industrial Development Board
CM	Compliance Monitoring
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
DID	Department of Irrigation and Drainage
DO	Dissolved Oxygen
DOE	Department of Environment
DOF	Department of Fisheries
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
EMT	Environmental Management Team
EO	Environmental Officer
EP	Environmental Policy
EPMC	Environmental Performance Monitoring Committee
EPMD	Environmental Performance Monitoring Document
ERCMC	Environmental Regulatory Compliance Monitoring Committee
ERP	Emergency Response Plan
ERT	Emergency Response Team
ESA	Environmental Sensitive Area
ESI	Environmental Scoping Information
EWT	Elevated Water Tanks
Fe	Iron
FR	Federal Road
ft	Feet
GDP	Gross Domestic Product
GIS	Geographic Information System
GLS	Ground Level Concentration
GNI	Gross National Income
GPS	Global Positioning System
HCM	Highway Capacity Manual
HEMP	Hazard and Effect Management Process
hp	Horse Power
HPU	Highway Planning Unit

HSE	Health, Safety and Environment
HSSE	Health, Safety, Security and Environment
ICT	Information and Communication Technology
IESB	Integrated Envirotech Sdn Bhd
IM	Impact Monitoring
ISC	Inter Society Committee
ISCST3	Industrial Source Complex Short Term Version 3
ISMP	Integrated Shoreline Management Plan
ISO	International Organisation for Standardisation
IWK	Indah Water Konsortium
IUCN	International Union for Conservation of Nature
JKR	Jabatan Kerja Raya
JPP	Jabatan Perkhidmatan Pembetungan
km	kilo meter
kPa	Kilo Pascal
kN/m	kilonewton meter
kW	Kilo Watt
LC	Least Concern
LD-P2M2	Land-Disturbing Pollution Prevention and Mitigation Measures
LKIM	Lembaga Kemajuan Ikan Malaysia
LOR	Level of Reporting
LOS	Level of Service
m	Meter
m <sup>3</sup> /day	Meter cube per day
mg/kg	Milligram per kilogram
mg/l	Milligram per litre
mg/m <sup>3</sup>	Milligram per metre cubic
mm	Millimetre
m/s	Metre per second
MICE	Meeting Incentives, Seminars and Exhibitions
MMD	Malaysian Meteorological Department
MOC	Management of Change
MPFN	National Physical Planning Council
MPN	Most Probable Number
mS/cm	Milisiemens per centimetre
MSL	Mean Sea Level
MT	Metric Tonne
MWQCS	Marine Water Quality Criteria and Standards
NE	North East
NGVD	National Geodetic Vertical Datum
NKEA	National Key Economic Areas
NO <sub>2</sub>	Nitrogen Dioxide
NPV	Net Present Value
NPP3	National Physical Plan 3
NT	Near Threatened
NTP	National Transformation Programme

NTU	Nephelometric Turbidity Units
P2M2	Pollution Prevention and Mitigation Measures
PAT	Preliminary Site Assessment (Penilaian Awal Tapak)
PCU	Passenger Car Unit Equivalent
PCS	Pollution Control System
PE	Population Equivalent
PPE	personal protective equipment
PM	Particulate Matter
PM	Performance Monitoring
ppm	Parts per million
PMR	Performance Monitoring Report
ppt	Parts per thousand
PS	Patch Sampling
PSD	Particle Size Distribution
PVD	Prefabricated Vertical Drains
QA/QC	Quality Assurance/ Quality Control
RFZPPN	National Coastal Zone Physical Plan
RL	Reduced Level
SAMB	Syarikat Air Melaka Berhad
SAMM	Skim Akreditasi Makmal Malaysia
SIDRA	Signalised Intersection Design Research Aid
SJK(C)	Sekolah Jenis Kebangsaan (C)
SO <sub>2</sub>	Sulphur Dioxide
SPAN	Suruhanjaya Perkhidmatan Air Negara
STP	Sewage Treatment Plant
SW	South West
TCM	Travel Cost Method
TDS	Total Dissolved Solids
TEL	Threshold Effects Level
TGF	Trip Generating Function
TH	Total Hydrocarbon
TIA	Traffic Impact Assessment
TNB	Tenaga Nasional Berhad
TOC	Total Organic Carbon
TOR	Terms of Reference
TORAC	TOR Adequacy Check
TPH	Total Petroleum Hydrocarbon
TSHD	Trailing Suction Hopper Dredger
TSS	Total Suspended Solid
US NOAA	National Oceanic and Atmospheric Administration Screening Quick
SQuiRTs	Reference
USDA	United States Department of Agriculture
USEPA	U. S. Environmental Protection Agency
USM	Unsuitable Material
USMMM	Urban Stormwater Management Manual for Malaysia
VES	Visual Encounter Sampling

wt %	Weight percent
WTP	Willingness to Pay
ZPP	Zon Promosi Pembangunan
µg/l	Microgram per litre
°C	Degree Celcius
%	Percentage