

RINGKASAN EKSEKUTIF

PROPOSED EXTENSION OF ROCK EXTRACTION AREA ON LOT 61722 (ML 152), COVERING AN AREA OF 20.23 HECTARES (49.99 ACRES) IN MUKIM PENGKALAN BAHARU, DISTRICT OF MANJUNG, PERAK DARUL RIDZUAN

Syarikat Sinar Manjong Sdn. Bhd.
(Company No.: 198301014989 (110382-A))

PENGERAKA PROJEK



KenEp Consultancy & Services
(No. Syarikat: 201503228179 (IP0436751-T))

PERUNDING EIA

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KEPERLUAN PERUNDANGAN

Kualiti Alam Sekeliling (Aktiviti yang Ditetapkan)
(Penilaian Kesan Kepada Alam Sekeliling) 2015

Jadual Pertama

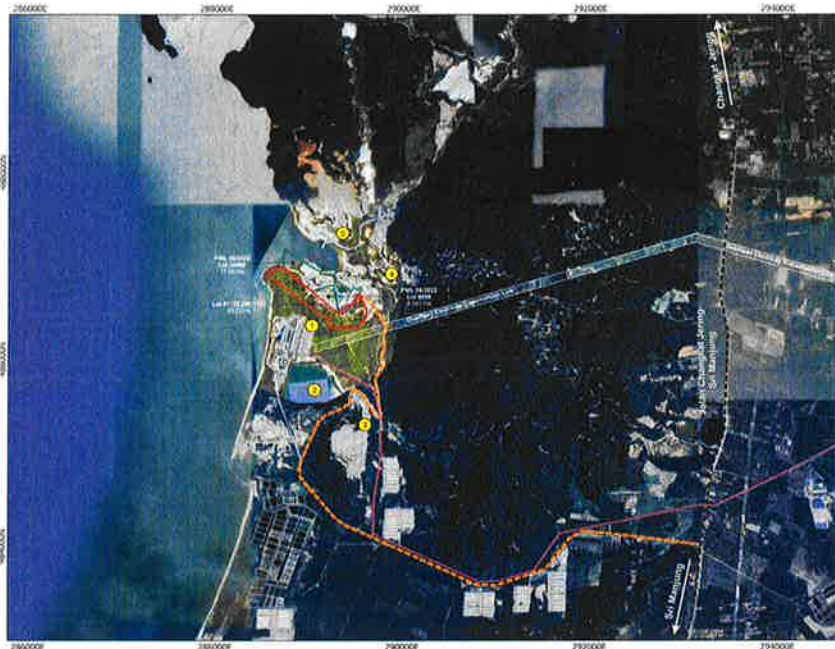
- Aktiviti 19: "Pengkuaran Bahan Batuan"



LOKASI PROJEK

Lot 61722 (ML 152) dan operasi kuari sedia ada di Lot 9868 (PML 08/2022) serta Lot 10086 (PML 09/2022), Mukim Pengkalan Baharu, Daerah Manjung, Perak Darul Ridzuan.

Melalui Jalan Changkat Jering-Sri Manjung, diikuti dengan jalan masuk sedia ada yang menuju ke tapak Projek yang dicadangkan sejauh kira-kira 7.8 km.



Sumber
Batuan granit



Produk

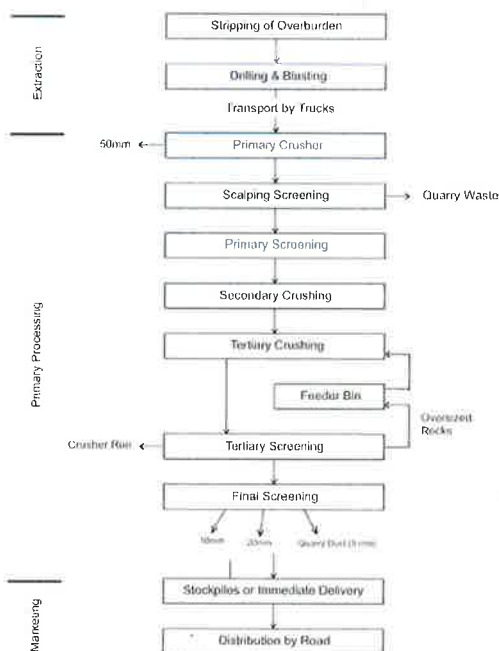
Agregat 50 mm, agregat 20 mm, agregat 10 mm, crusher run, sisa kuari dan habuk kuari (5 mm)



Keperluan
Industri

DESKRIPSI PROJEK

Carta Aliran Cadangan Operasi



LEGEND

- Proposed Extension of Rock Extraction Area
- Existing Quarry Site (SKSPM-Approved Lots)
- Existing Access Road
- Existing Main Road
- PETRONAS Gas Berhad (PGB) Natural Gas Transmission Pipeline

No	Location
1	Malakoff Power Berhad
2	Coral Power Sdn. Bhd.
3	Pantai Quarry Sdn. Bhd.
4	Teluk Mengkudu Sanitary Landfill
5	Sri Manjung Granite Quarry Sdn. Bhd.

PERSEKITARAN SEDIA ADA



Topografi

Kawasan berbukit



Geologi

Acid intrusives



Jenis Tanah

Rengam – Bukit Temiang



Hidrologi

Pelepasan air larian permukaan → Perangkap kelodak → Selat Melaka



Meteorologi

Stesen Sitiawan



Kegunaan Tanah Semasa

- Kawasan kuari aktif sedia ada
- Reseptor terhampir: Kampung Getam

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Aktiviti Projek

PENYIASATAN

- Tinjauan lapangan
- Kerja ukur dan pemetaan
- Penggerudian dan pensampelan
- Kajian garis dasar alam sekitar
- Penilaian Impak Alam Sekitar (EIA)
- Penilaian teknikal dan kewangan

PEMBANGUNAN

- Penandaan dan penentuan kedudukan sempadan
- Mobilisasi tenaga kerja untuk kerja-kerja pembersihan tapak
- Pengangkutan jentera dan peralatan bagi kerja-kerja pembersihan tapak
- Kerja-kerja pembersihan tapak
- Pembinaan dan penyelenggaraan sistem perparitan
- Pembinaan kolam mendapan
- Pembinaan jalan dalaman dari kuari sedia ada ke kawasan cadangan pengekstrakan batuan
- Kerja-kerja pelupusan bahan buangan yang melibatkan pengangkutan dan penimbunan tanah serta bahan penutup
- Pembangunan muka kuari
- Penandaan dan pengkelan zon penampungan
- Pengurusan sisa di dalam tapak

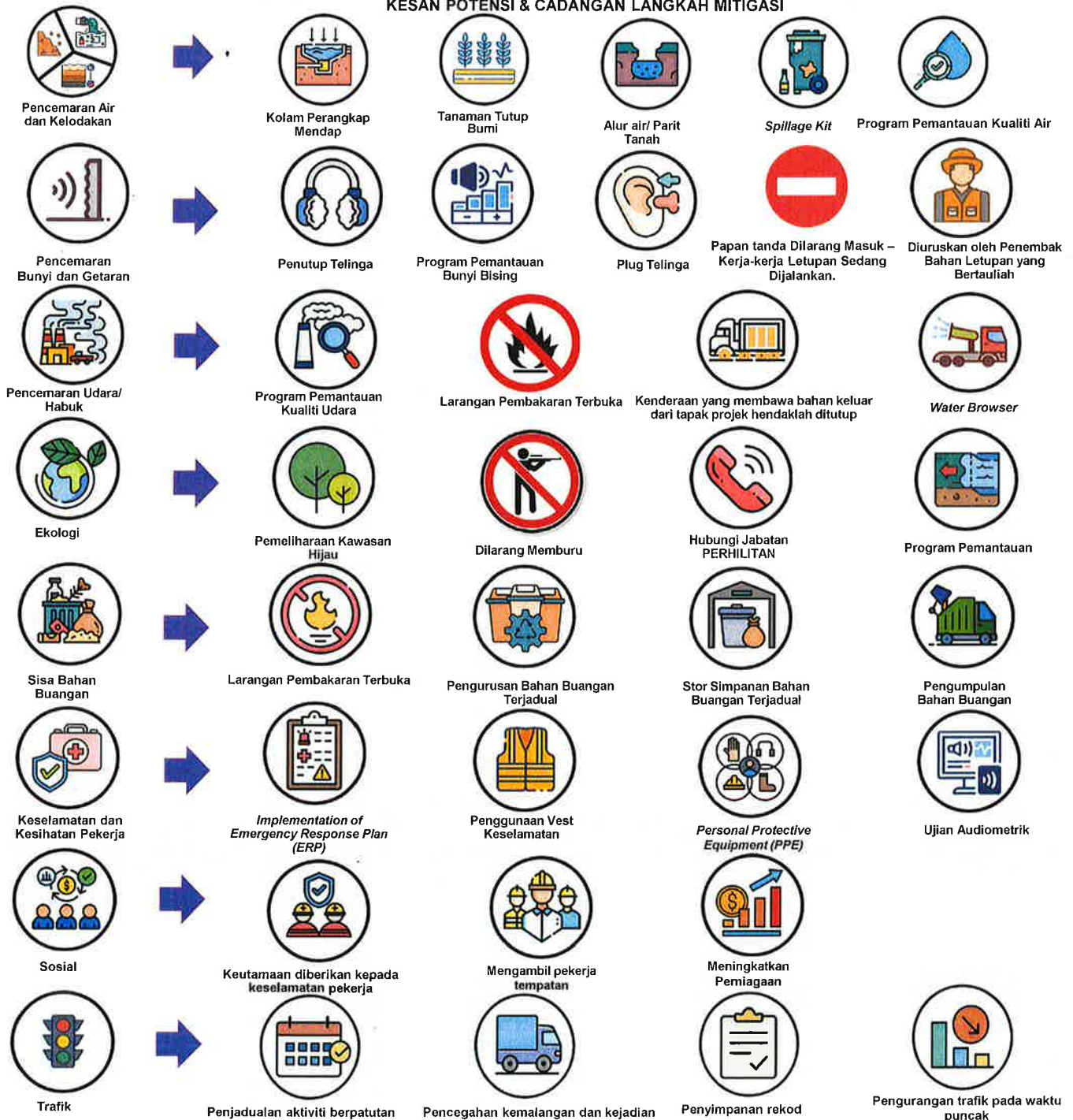
OPERASI

- Penggerudian
- Peletupan
- Pemunggahan
- Pengangkutan
- Penghancuran
- Penyaringan
- Penimbunan
- Pengangkutan agregat
- Penyelenggaraan Amalan Pengurusan Terbaik (BMP)

PENUTUPAN

- Pemulihan; dan
- Pengurusan sisa buangan di tapak

KESAN POTENSI & CADANGAN LANGKAH MITIGASI



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CADANGAN PROGRAM PEMANTAUAN ALAM SEKITAR

Type of Monitoring	Location	Control measures	Provision		Status (Installation)	Response from contractor dated (day/month/year) (Maintenance: Reply to date/month/year)	Observations/ Findings/ Suggestions (Last inspection – date/month/year)	Observations/ Findings/ Suggestions (Recent inspection – date/month/year)	Observations/ Findings/ Suggestions (Latest inspection – date/month/year)	Accepted (✓/x)
			Proposed	Actual						
Performance Monitoring (PM)										
Sediment basins and the vicinity area	Sediment basins	Silt control								
	Overflow									
Other control facilities	Site Office	Oil & Grease, Scheduled Waste (SW)								
	Access road	Dust control								
	Existing Crusher Plant	Dust control								
	Existing Screening Plant	Dust control								
	Wash Trough	Dust control								
	Stockpile	Dust control								
	Scheduled Waste Storage	Oil & Grease, Scheduled Wastes								

Aspect	Monitoring Parameter	Monitoring Station	Location	Coordinate	Monitoring Frequency	Applicable Standard
Compliance Monitoring (CM)						
Sediment Basin Discharge	Turbidity, TSS	SB 1 SB 2	Refer to Appendix 5-1: LD-P2M2		Monthly	Turbidity ≤250 NTU TSS ≤50 mg/l
Site Inspection by Environmental Officer (EO)	DOE's conditions of EIA approval, related legislation & regulations	Project Site	Project Site	Project Site	Quarterly, and within 24 hours after a storm event of ≥12.5mm	EIA approval condition, LD P2M2 and EMP
Environmental Audit	DOE's conditions of EIA approval, related legislation & regulations	Project Site	Project Site	Project Site	Once every four months during development stage and once yearly during operation stage	DOE's conditions of EIA approval, related legislation & regulations
Vibration Monitoring	Airblast dB(L), Vibration (mm/s)	V1	Project boundary	4°23'42.92"N 100°35'45.21"E	Every blast, event-based monitoring upon complaint or abnormal operation	JMG limit: Airblast: ≤124 dBL Vibration: ≤ 5 mm/s DOE limit: Vibration: ≤ 3.2 mm/s
		V2	Teluk Mengkudu Sanitary Landfill	4°24'0.80"N 100°35'48.71"E		
		V3	PMU 275kV Segari (SGRI)	4°23'30.54"N 100°35'22.00"E		
		V4	Kampung Gelam	4°22'17.95"N 100°37'23.01"E		
		V5	PETRONAS Gas Berhad (PGB) natural gas transmission pipeline	4°23'21.05"N 100°35'31.47"E		

Note: The more stringent limit shall apply unless otherwise specified by the approval condition.

Aspect	Monitoring Parameter	Monitoring Station	Location	Coordinate	Monitoring Frequency	Applicable Standard
Impact Monitoring (IM)						
Water Quality Monitoring	Temperature, pH, COD, BODs, Total Suspended Solids, Dissolved Oxygen, Oil & Grease, Ammoniacal Nitrogen	W1	Water pond at existing quarry site	4°23'46.11"N 100°35'38.83"E	Once every three months	To comply with National Water Quality Standard (NWQS) Class II
		W2	Earth drain at existing quarry site	4°23'49.67"N 100°35'36.11"E		
		W3	Water pond at northeast of existing quarry site	4°23'50.28"N 100°35'44.75"E		
		W4	Earth drain at northeast of existing quarry site	4°23'53.90"N 100°35'41.07"E		
		W5	Earth drain at northeast of existing quarry site	4°23'54.75"N 100°36'41.08"E		
		W6	Confluence of water from landfill and existing quarry site	4°23'54.75"N 100°35'40.51"E		
Ambient Air Quality Monitoring	PM ₁₀ , PM _{2.5} , NO ₂ , SO ₂ , CO, O ₃	A1	Project boundary	4°23'42.92"N 100°35'45.21"E	Once every three months	PM ₁₀ ≤100 µg/m ³ PM _{2.5} ≤35 µg/m ³ NO ₂ ≤280 µg/m ³ SO ₂ ≤250 µg/m ³ O ₃ ≤180 µg/m ³ CO ≤30 mg/m ³
		A2	Teluk Mengkudu Sanitary Landfill	4°24'0.80"N 100°35'48.71"E		
		A3	PMU 275kV Segari (SGRI)	4°23'30.54"N 100°35'22.00"E		
		A4	Kampung Gelam	4°22'17.95"N 100°37'23.01"E		
Noise Monitoring	L ₁₀ , L ₅₀ , L ₉₀ , Total Leq dB(A)	N1	Project boundary	4°23'42.92"N 100°35'45.21"E	Once every three months	Industrial Zones: Total Leq ≤75 dB(A) (Daytime) Total Leq ≤75 dB(A) (Nighttime)
		N2	Teluk Mengkudu Sanitary Landfill	4°24'0.80"N 100°35'48.71"E		
		N3	PMU 275kV Segari (SGRI)	4°23'30.54"N 100°35'22.00"E		Suburban and Urban Residential, Mixed Development: Total Leq ≤65 dB(A) (Daytime) Total Leq ≤60 dB(A) (Nighttime)
		N4	Kampung Gelam	4°22'17.95"N 100°37'23.01"E		

Note: The more stringent limit shall apply unless otherwise specified by the approval condition.

Ruj. Laporan: KCS/SM/1318-EIA-1125-7814

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CADANGAN PROGRAM PEMANTAUAN ALAM SEKITAR

