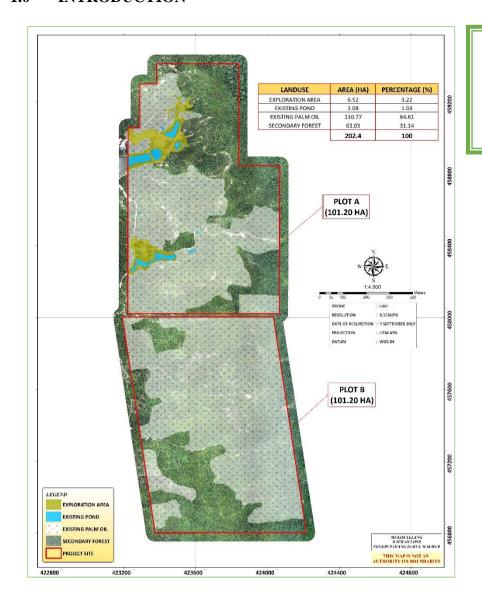
#### **EXECUTIVE SUMMARY**

#### 1.0 INTRODUCTION

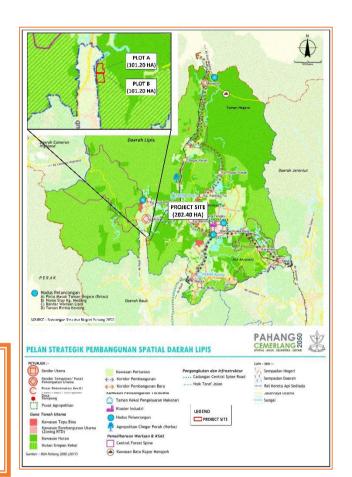


#### PROJECT TITLE:

PROPOSED GOLD MINING (ALLUVIAL) FOR KGSS VENTURE HOLDINGS SDN. BHD. WITH AN AREA OF 202.4 HECTARE (500 ACRE) AT SUNGAI CERABANG, MUKIM TELANG, DAERAH LIPIS, PAHANG

ACCORDING TO RANCANGAN STRUKTUR NEGERI PAHANG 2050:

PROJECT AREA LOCATED IN HUTAN SIMPAN KEKAL



Mining Lease	Gazette Date	Gazette No.	Survey Plan No.	Action
ML 17/2019	1 October 2019	2039	P.A. 288203	Cease from being a Permanent Forest Reserve status (HSK Tersang)
	Status Replacement			
	27 September 2019	2035	P.W. 5366	Accorded with Permanent Forest Reserve status (Chuat Forest Reserve [Additional])
Mining Lease	Gazette Date	Gazette No.	Survey Plan No.	Action
ML 08/2020	5 February 2020	627	P.A. 288131	Cease from being a Permanent Forest Reserve status (HSK Tersang)
	Status Replacement			
	5 February 2020	626	P.W. 5381	Accorded with Permanent Forest Reserve status (Chuat Forest Reserve [Additional])

THE LAND STATUS HAVE BEEN DE-GAZETTE FROM PERMANENT FOREST RESERVE.

THE TWO PARCELS OF LAND
FORMERLY BEARING
PERMANENT FOREST RESERVE
STATUS HAVE BEEN REPLACED
WITH PERMANENT FOREST
RESERVE LOCATED IN HUTAN
SIMPAN CHUAT (ADDITIONAL),
MUKIM KECHAU.

#### 2.0 PROJECT PROPONENT AND QUALIFIED PERSON

#### **Mining Lease Holder**

#### Duri Kaya Sdn. Bhd. (921272-U)

B-12. Tingkat 2 & 3, Jalan Seri Kuantan 2, Sri Kuantan Square, 25050 Kuantan, Pahang Darul Makmur

#### **Greenlight Resources Sdn. Bhd.** (933571-D)

A-1, Tingkat Bawah, Lorong Seri Kuantan 82, Kuantan Star City, 25300 Kuantan, Pahang Darul Makmur.

#### **Mining Operator**

#### **KGSS Venture Holdings Sdn. Bhd.** (693100-V)

B-12. Tingkat 2, Jalan Seri Kuantan 2, Sri Kuantan Square, 25050 Kuantan, Pahang Darul Makmur.

Person in-charge : Sahrul Azizul bin Musa

(Manager)

Tel: 09-527 9281, Fax: 09-517 9297

#### **EIA Preparer**

#### Nilaimas Services (001953513-D)

No. 17-2 & 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

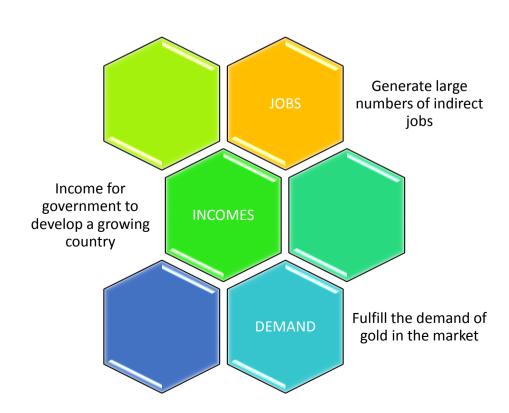
#### 3.0 LEGISLATIVE REQUIREMENT

Environmental Quality Act 1974,
Environmental Quality
(Prescribed Activities)
(Environmental Impact Assessment)
Order 2015

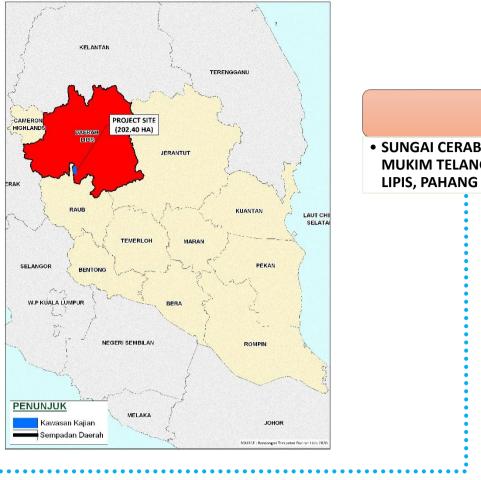
Schedule 1, Activity 13: Development or land clearing less than 50 percent of an area with slope greater than or equal to 25° but less than 35°.

Schedule 2, Activity 8 (b): Mining of Minerals within or adjacent or near to environmentally sensitive area.

#### 4.0 STATEMENT OF NEED



#### **5.0** PROJECT LOCATION

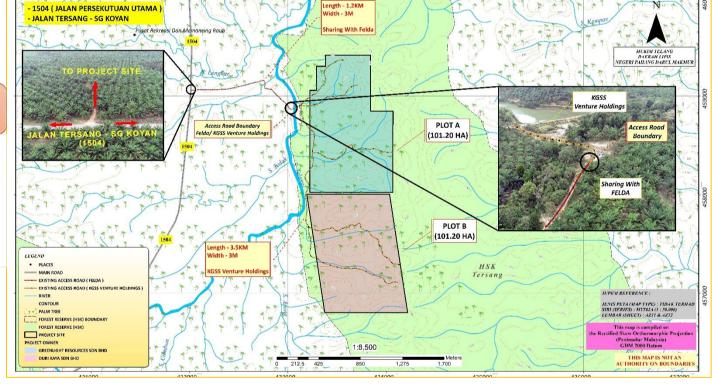


#### **LOCATION**

• SUNGAI CERABANG, **MUKIM TELANG, DAERAH** 

#### **ACCESS**

- RAUB TOWN FELDA SG **KOYAN APPROXIMATELY 45 MINUTES THROUGH THE JALAN PERSEKUTUAN UTAMA F1504.**
- 1.2 KM FROM MAIN ROAD **TO SITE BOUNDARY**



# PLOT A (101.20 HA) NOT TO SCALE 1KM 2KM 3KM 4KM 5KM PLOT B

#### **SETTLEMENTS**

- KG. BELAU
- FELDA TERSANG 3

#### **INDUSTRIES**

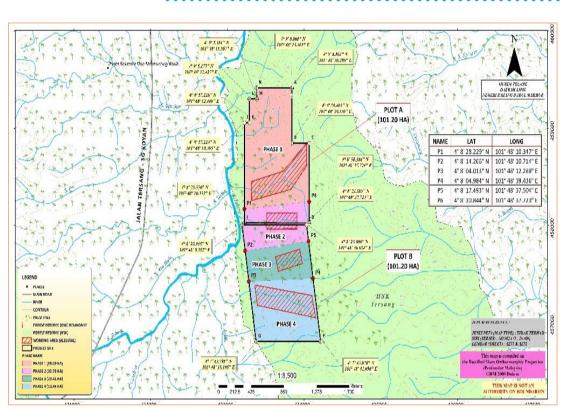
- KILANG SAWIT TERSANG
- KOMPLEKS LADANG KS **SERI TELANG**

#### 6.0 PROJECT DESCRIPTION

THE TOTAL PROJECT AREA IS 202.40 HA. THE LAND INVOLVES TWO MINING LEASES:

ML 17/2019 (101.2 HA) ML 08/2020 (101.2 HA)

Subjects	Particulars of the Mining Leases				
	Mining Lease Plot A	Mining Lease Plot B			
ML No.	ML 17/2019	ML 08/2020			
Lot No.	20722 (PA288203)	20723 (PA288131)			
Region	Sungai Cerabang	Sungai Cerabang			
Mukim	Telang	Telang			
District	Lipis	Lipis			
Area of ML	101.2 ha	101.2 ha			
Period of ML	11 Nov 2019 – 10 Nov 2021	10 Jun 2020 - 9 Jun 2022			
<b>Date of Issuance</b>	11 Nov 2019	10 Jun 2020			
Holder of ML	Greenlight Resources Sdn. Bhd.	Duri Kaya Sdn. Bhd.			
<b>Mining Operator</b>	KGSS Venture Holdings Sdn. Bhd.				



Mine Life = Total Volume to be Mined
Rate of Mining

= 201,600 m³ / 10,000 m³ per month

= 20.1 months (1.7 years)

Add = 2.0 months/mine life for inclement weather, amendment in mining scheme etc.

Operational = 1.6 + (1.7 x 2/12) years

Life = 1.9 years

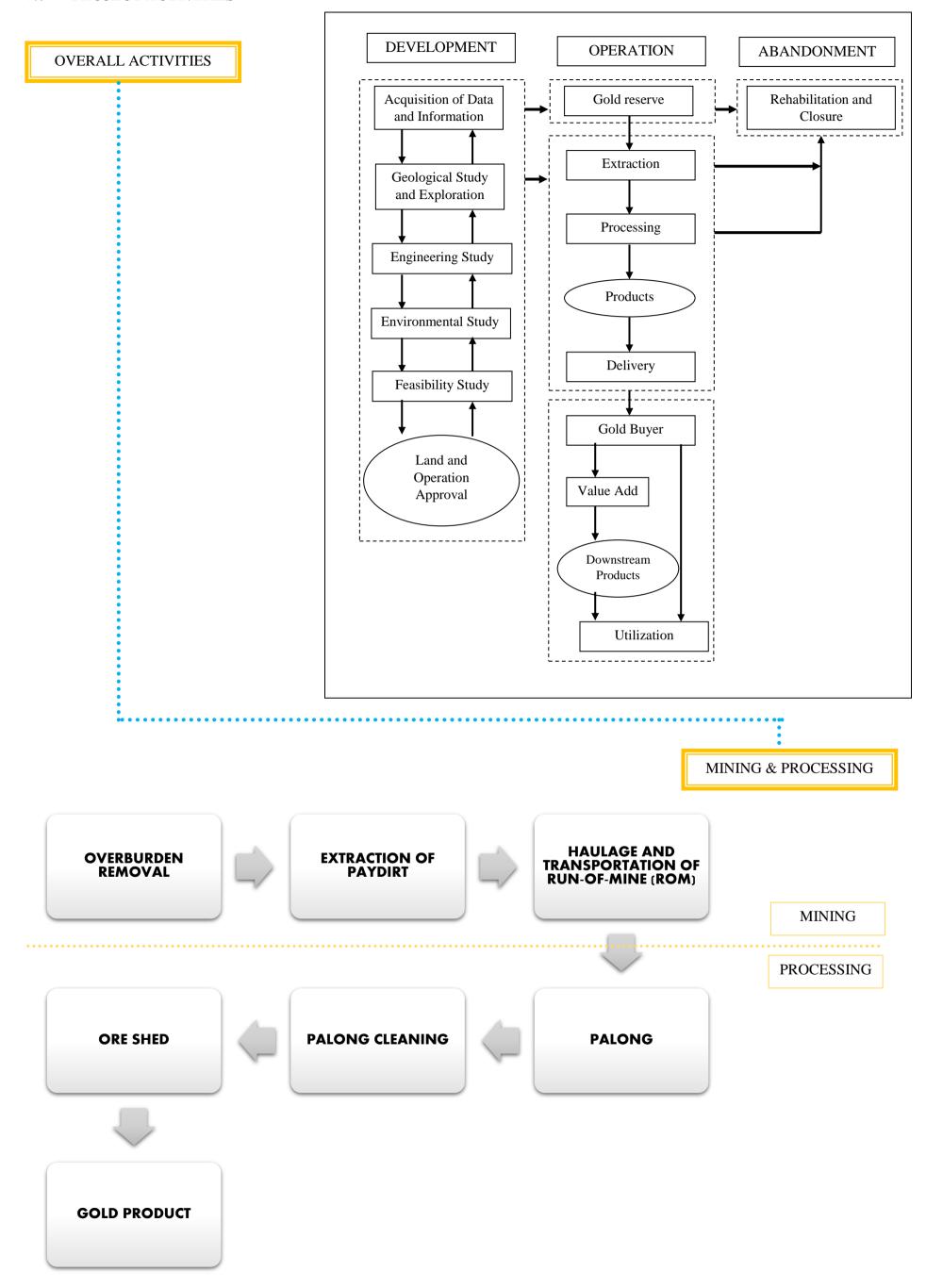
It need to be point out that the proposed 10,000 m³ per month of mining as mentioned shall be achievable when the plant is fully operational and the mine face has been well developed.

Allowing for additional time period shall be considered for the initial development period, down time and stoppages due to inclement weather and machineries maintenance

PROPOSED MINING RATE
FROFOSED MINING RATE

•						
Period	Phase	Excavation Volume (m³)	Overburden (m³)	Paydirt (m³)	Tailings (Slurry) (m³)	Gold Production (kg)
Quarter 1	1	15,000	12,000	3,000	5,400	2.48
Quarter 2		30,000	24,000	6,000	10,800	4.95
Quarter 3		30,000	24,000	6,000	10,800	4.95
Quarter 4	2	30,000	24,000	6,000	10,800	4.95
Quarter 5		30,000	24,000	6,000	10,800	4.95
Quarter 6	3	30,000	24,000	6,000	10,800	4.95
Quarter 7		30, 000	24,000	6,000	10,800	4.95
Quarter 8	4	6, 600	5,280	1,320	2,376	1.00
Total		201,600	161,280	40,320	72,576	33.18

#### 7.0 PROJECT ACTIVITIES



#### 8.0 EXISTING ENVIRONMENT

## Landuse

•The project site is within area Tersang Forest Reserve which is secondary forest surrounded with flora and fauna.

#### Topography

- •The project site vary from 115 m to 237 m above mean sea level (MSL).
- •Most of the areas considered flat, slope class I (55.10%) and slope class II (33.72%)

#### Geology and Hydrogeology

- •Consist of shale, sandstone and phyllite.
- •The site exhibits the permeability values generally between 3.0 x 10<sup>-7</sup> m/s and 6.4 x 10<sup>-5</sup> m/s.

#### Climate

- •Annual mean rainfall amount was between 2182.0 mm 2896.5 mm.
- •Monthly mean temperature ranges from 17.7°C to 18.8°C.
- •Mean monthly relative humidity ranges from 81.5% to 93.3%.
- •Source of data: Cameron Highland Meteorological Station

## Water Intake and Aquaculture

- Only one WTP located at the downstream of project site which is WTP Sungai Jelai (26.69 km from site boundary)
- One aquaculture activites manage by Jeram Tengka Agro Farm & Aquaculture Sdn Bhd

### Water Quality

 14 water sampling point for baseline data tested with 1 data sample from Kilang Sawit Tersang
 All of the water samples classified as Class II of Water Quality Index (76.5<WQI<92.7)</li>

#### Geochemistry

- •The major elements found are SiO2 (≈70%), AlO2 (≈20%), followed by Fe2O3, K2O,MgO and TiO2
- •The area has been discovered to be net-acid neutralising potential

#### Ambient Air

- •3 samples taken at the surrounding project area including sample of HCN at A3 (Site Boundary)
- •Results of ambient HCN is not detected (<0.01)

#### Noise

- •3 samples taken at the sesitive receptors surrounding the project area
- •All of them are under permissible limit (60/55dBA)

#### Flora

- •The plot enumeration were carried out at both plot of land
- •Total of 181 species within 64 families of plants were recorded from both ground observation and plot enumeration methods.

#### Fauna

Survey for fauna was carried out and 7 Camera Traps were installed for 1 month
 Total 11 mammalian and 1 reptile species were recorded with another 61 species of

avifauna.

#### Aquatic

2 Sampling conducted in 2 days at Sg Telang
7 fishes caught comprising five (5) species from one (1) family.

#### Traffic

 The Level of Services (LoS) along the main junction road is LoS A
 Very low and will not cause significant change to the performance of the existing road network.

#### Socio-Economy

- •150 respondents from 2 community zone were surveyed
- •2 Focus Group Discussion were conducted for Kampung Belau and Felda Tersang 3 respectively
- •23.3% of the respondents agree with the project while 16.7% disagree and 60% are unsure.

#### 9.0 IMPACTS ASSESSMENT & MITIGATION MEASURES

Types of	Activity	Parameter	<b>Recommended Limits</b>	Monitoring	Frequencies
Environmental				Locations	
Monitoring					
Performance Monitoring (PM)	Sediment trap/ Basin	Silt Marker	2/3 of the height of silt marker	Referred to the LD-P2M2	After 12.5 mm of heavy rainfall  Weekly
Monitoring (FWI)	Check dam	Structure	-	attachment	
	Wash Trough	Structure			
	Temporary or Permanent	Structure			After 12.5 mm of
	Waterway Crossing				heavy rainfall
	(culvert/bridge)				
Compliance	Air Quality	PM <sub>10</sub>	$100  \mu g/m^3$	Refer to Figure	Quarterly
Monitoring (CM)	Noise	$L_{Aeq}$	Day: 60 dBA	9.4	
			Night: 55 dBA		
	Surface Water Quality	TSS	50 mg/L	Refer to Figure	Monthly
		Turbidity	50 NTU	9.3	
		BOD <sub>5</sub> COD	3 mg/L		
		pH	25 mg/L 6-9	-	
		DO	5-7		
		NH <sub>3</sub> -N	0.3 mg/L		
		E.coli	400 count/100ml		
		Hg	0.001 mg/L		
		Cr	0.05 mg/L	_	
		CN	0.02 mg/L	4	
		Pb Cu	0.05 mg/L 0.02 mg/L	-	
		Ni	0.05 mg/L		
		Sn	-		
		Zn	5 mg/L		
		В	1 mg/L		
		Fe Al	1 mg/L	_	
		Ba	1 mg/L	-	
		Se	0.01 mg/L		
		As	0.05 mg/L		
		Mn	0.1 mg/L		
	Discharge from Silt trap/	Al	10 mg/L	Number of pond proposed in the LD-P2M2	Monthly and After 12.5 mm of heavy rainfall
	Sediment trap	As Ba	0.05 mg/L 1.0 mg/L		
		BOD <sub>5</sub>	20 mg/L		
		В	1.0 mg/L		
		Cd	0.01 mg/L		
		Cr (VI)	0.05 mg/L	_	
		Cr (III)	0.20 mg/L	_	
		Free Cyanide Cyanide (WAD) <sup>2</sup>	0.1 mg/L 0.5 mg/L	_	
		Fluoride	2.0 mg/L		
		Formaldehyde	1.0 mg/L		
		Free Chlorine	1.0 mg/L		
		Fe	1.0 mg/L		
		Pb Hg	0.10 mg/L 0.005 mg/L	_	
		Oil and Grease	1.0 mg/L	_	
		pH	6.0 - 9.0		
		Phenol	0.001 mg/L		
		Se	0.02 mg/L	_	
		Ag	0.1 mg/L	-	
		Sulphide Suspended Solids	0.50 mg/L 50 mg/L	$\dashv$	
		Temperature	40 °C	1	
		Zn	2.0 mg/L	1	
		Cu	0.20 mg/L		
		Mn	0.20 mg/L		
		Ni	0.20 mg/L	_	
		Sn Ammoniacal	0.20 mg/L 10 mg/L	-	
	İ	AIIIIIOIIIaCal	10 mg/L	i	

Impact	Air Pollution	$PM_{10}$	New Malaysia Ambient	Refer to Figure	Quarterly
Monitoring (IM)			Air quality Standard	9.4	
	Noise Level	L <sub>Aeq</sub>	Schedule of Permissible	Refer to Figure	Quarterly
			Sound Levels, Schedule	9.4	
			1: Maximum		
			Recommended		
			Permissible Sound Level		
			(L <sub>Aeq</sub> ) by Receiving		
			Land Use for New		
			Development,		
			Guidelines for		
			Environmental Noise		
			Limits and Control		
	Surface Water Quality	As per CM	National Water Quality	Refer to Figure	Monthly
			Standard (NWQS, IIB)	9.3	
	Effluent		Mineral Development	LD-P2M2	Monthly and
			(Effluent) Regulations		After 12.5 mm of
			2016 (Limit 3)		heavy rainfall