



CHAPTER 1

INTRODUCTION



KenEp Consultancy & Services



CHAPTER 1

1.1 PROJECT TITLE

The project title shall identify the type of proposed project and its specific location. The title shall also indicate if the project is part of a larger project proposal.

This chapter shall contain at minimum the following information;

(i) NAME/TITLE OF PROJECT

The title of the Project is **“Proposed Granite Quarry Operation on PT 23066 and PT 23741 With An Area of 13.4862 Hectares (33.325 Acres) In Mukim Kuala Paka, District of Dungun, Terengganu Darul Iman”**. Hereinafter, it is referred to as the 'Project'.

Project proponent for this proposed project is Hexatrend Quarry Sdn. Bhd.. The project proponent had gained *Hakmilik Sementara* from *Pentadbir Tanah Dungun* for proposed granite quarry operation in term of periods 30 years on PT 23066 and Lot PT 23741 in Mukim Kuala Paka, District of Dungun, Terengganu Darul Iman. Copies of *Hakmilik Sementara* from *Pentadbir Tanah Dungun* is attached in **Appendix 1-1**.

Project proponent had submitted the application to *Majlis Perbandaran Dungun (MPD)* regards the zoning status. As mentioned in the MPD letter, land can be developed as quarry activity with term and conditions. Letter from *Majlis Perbandaran Dungun (MPD)* is attached in **Appendix 1-2** (Ref: MPD.08/01/2/88 (6) dated on 13 February 2019).

Moreover, Project proponent had submitted the application to *Jabatan Perancang Bandar Dan Desa (JPBD) Negeri Terengganu* regards the zoning status. As mentioned in the JPBD letter, the proposed Project site is gazette under *Perhutanan, Rancangan Tempatan Daerah Dungun (Penggantian) 2035* and the land can be developed as quarry activity. Letter from *Jabatan Perancang Bandar Dan Desa (JPBD) Negeri Terengganu* is attached in **Appendix 1-3** (Ref: JPBD.Tr.06/9372 (3) dated on 26 Jun 2018). Based on the comment from *Jabatan Perancang Bandar Dan Desa (JPBD) Negeri Terengganu*, the EIA has taken account those aspects by referred to the *Rancangan Fizikal Negara Ke-3* and *Rancangan Struktur Negeri Terengganu*.

Furthermore, Project proponent also submitted the application to *Jabatan Perhutanan Negeri Terengganu* regards the current land status at forestry area. Referring to the feedback letter, *Jabatan Perhutanan Negeri Terengganu* has "Tiada Halangan" for this proposed Project due to the proposed Project site not involved in the area of permanent forest reserve (HSK). Letter from *Jabatan Perhutanan Negeri Terengganu* is attached in **Appendix 1-4** (Ref: PHNT 400/9/8/21 (5) dated on 30 October 2019).

Project proponent had obtained the Right of Way (ROW) for usage of the proposed access road from Paka Kuari Sdn. Bhd., existing quarry located adjacent to the proposed project area. As mentioned in the ROW, Paka kuari Sdn. Bhd. had allowed Project proponent to access the existing road which was constructed by Paka Kuari Sdn. Bhd. with conditions to pay for the investment cost and also road maintenance cost. The ROW is attached in **Appendix 1-5**.

Term of Reference (TOR) has been submitted to DOE Terengganu and meeting had been conducted on 30 January 2019. The meeting minute had attached in **Appendix 1-6** (Ref: AS(B)T:29/012/100/088(25) dated on 31 January 2019). The TOR of the EIA study has been endorsed by the DOE as attached in **Appendix 1-7** (Ref: AS(B)T:29/012/100/088(31) dated on 18 February 2019).

(ii) NAME AND CONTACT DETAILS OF THE PROJECT PROPONENT

The Project Proponent for this proposed Project is **Hexatrend Quarry Sdn. Bhd.**. Any inquiry pertaining to the proposed operation of the quarry should be directed to the following:

Project Proponent : **Hexatrend Quarry Sdn. Bhd.**
(Company No. : 1178486-T)

Address : Lot 14019, Kampung Bukit Berapit,
Jalan Kelantan,
21060 Kuala Terengganu,
Terengganu Darul Iman

Contact Person : Mr. Yip Kong Wah
Position : Manager
Telephone : +609-666 6431
Fax : +609-662 2430
Email : graniteindah@yahoo.com

(iii) NAME OF REGISTERED EIA CONSULTANT FIRM

KenEp Consultancy & Services (KCS) has been appointed as the EIA Consultant. Due to the diverse fields involved, a team of specialists with the required expertise has been engaged for the Study. The Declaration from registered EIA Consultants, List of Study Team Members and List of Assistant Consultants are presented at the beginning of this Report.

Environmental Consultant : **KenEp Consultancy & Services**
(Company No.: IP 0436751-T)

Mailing Address : 5-9 Jalan Jelapang Bayu 1,
Puncak Jelapang Bayu,
30020 Ipoh,
Perak Darul Ridzuan.

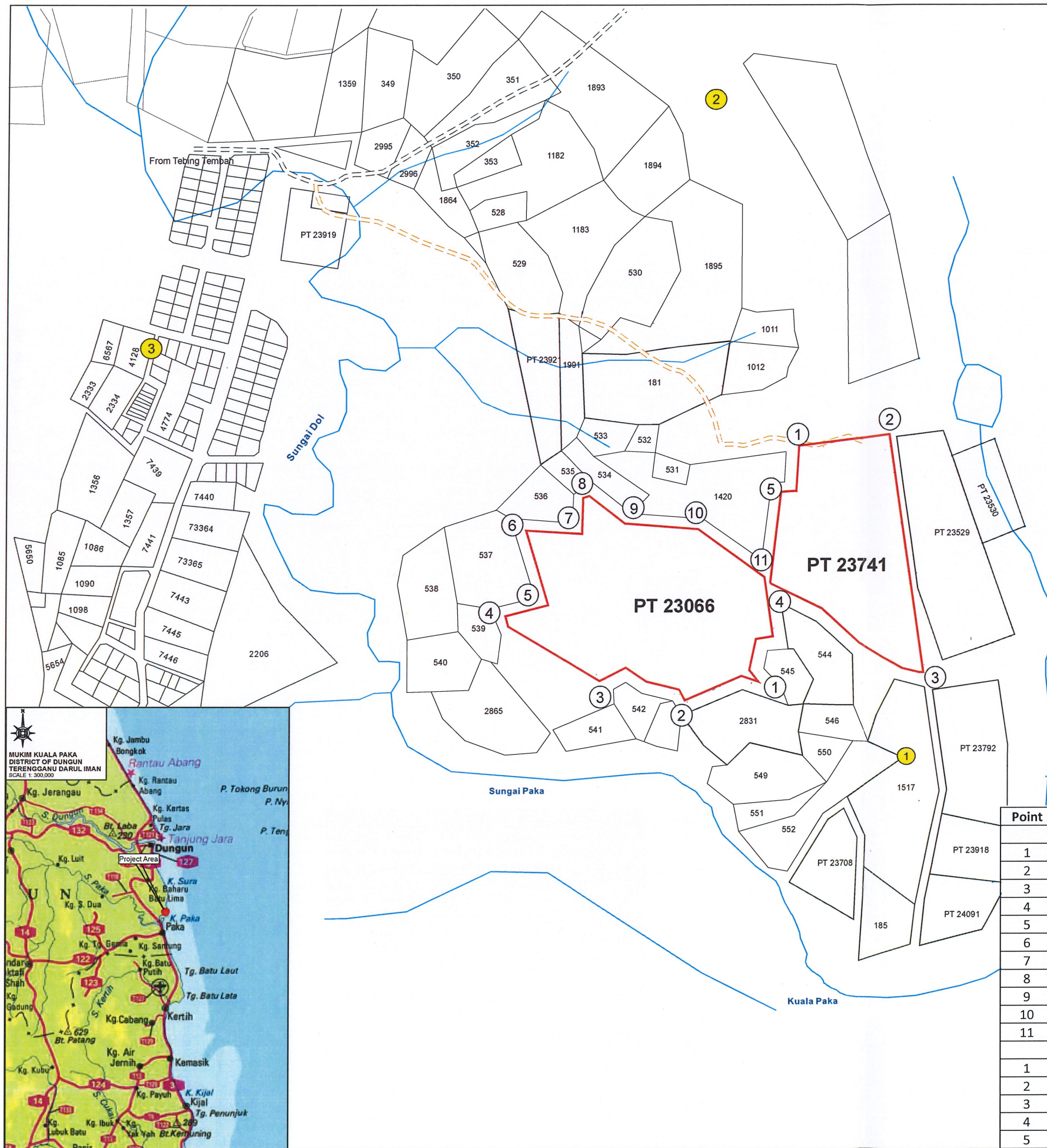
Contact Person : Ir. Fakhru Zakee Bin Abd Kadir
Position : Managing Director/ EIA Team Member
Telephone : +605-525 0336
Fax : +605-525 2908
Email : kcs@kenep.com.my

(iv) **LOCATION OF THE PROJECT**

The proposed granite quarry operation is located on Lot PT 23066 and Lot PT 23741 with an area of 13.4862 Hectares (33.325 Acres) In Mukim Kuala Paka, District of Dungun, Terengganu Darul Iman. The location of the proposed quarry area is at Latitude N 4°39'39.28" – N 4°39'35.49" and Longitude E 103°26'30.12" – E 103°26'31.41". The proposed Project area is located within forestry area. No resident located within 500m radius. The nearest receptors are Kampung Tebing Tembah which situated about 750m western and Kampung Baharu and Kampung Kongsu which situated about 1.75km southwest from the proposed Project site respectively. The existing quarries located adjacent to the proposed project area which are Paka Kuari Sdn. Bhd. and about 1.0km northern from the proposed project area which is Hardy Builder Sdn. Bhd.. The quarries are currently operating.

(v) **RELAVENT MAPS SHOWING PROJECT LOCATION AND SENSITIVE RECEPTOR**

The proposed Project area is located within forestry area. The proposed quarry site is covered hilly area with elevations ranging from 5 m above Mean Sea Level (MSL) to the highest of 100 m. No resident located within 500m radius. The nearest receptors are Kampung Tebing Tembah which situated about 750m western. Meanwhile, Kampung Baharu and Kampung Kongsu which are situated about 1.75km southwest from the proposed Project site respectively. The existing quarries located adjacent to the proposed project area which are Paka Kuari Sdn. Bhd. and about 1.0km northern from the proposed project area which is Hardy Builder Sdn. Bhd.. The quarries are currently operating. **Figure 1-1** shows the key plan and the location plan of the site. The 500 m radius plan showing the surrounding receptor is shown in **Figure 1-2**. The detail surrounding receptor within 5 km will be further elaborate in **Chapter 6**.



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MUKIM KUALA PAKA
DISTRICT OF DUNGUN
TERENGGANU
SCALE 1: 5,000

LEGEND

- PROPOSED PROJECT AREA
- EXISTING ACCESS ROAD
- EXISTING MAIN ROAD
- SHORELINE

No.	Location
①	Paka Kuari Sdn Bhd
②	Hardy Builder Sdn Bhd
③	Kampung Tebing Tembah

PROJECT PROPONENT
HEXATREND QUARRY SDN. BHD.

DRAWING TITLE
Figure 1-1
KEY PLAN AND LOCATION PLAN
OF THE PROJECT AREA

Compiled by	PW Lin
Drawn by	PW Lin
Checked by	Ooi
Approved by	YK Wong
Report Ref.	KCS/HQ/472-EIA-0119-2505-R1
Date	19 November 2019
Scale	1 : 5,000
Paper Size	A3

PREPARED BY

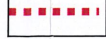
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Point	Latitude	Longitude
PT 23066		
1	4°39'39.49"N	103°26'39.43"E
2	4°39'37.01"N	103°26'43.07"E
3	4°39'41.18"N	103°26'43.38"E
4	4°39'43.33"N	103°26'44.47"E
5	4°39'44.02"N	103°26'49.37"E
6	4°39'31.78"N	103°26'51.35"E
7	4°39'33.50"N	103°26'43.34"E
8	4°39'31.42"N	103°26'42.24"E
9	4°39'30.65"N	103°26'38.80"E
10	4°39'31.30"N	103°26'34.51"E
11	4°39'35.14"N	103°26'29.28"E
PT 23741		
1	4°39'39.28"N	103°26'30.12"E
2	4°39'39.36"N	103°26'33.16"E
3	4°39'41.11"N	103°26'33.52"E
4	4°39'39.53"N	103°26'36.01"E
5	4°39'35.49"N	103°26'31.41"E



LEGEND

	PROPOSED PROJECT AREA
	EXISTING ACCESS ROAD
	EXISTING MAIN ROAD

No.	Location
①	Hardy Builder Sdn Bhd
②	Kampung Tebing Tembah
③	Paka Kuari Sdn Bhd

PROJECT PROPONENT

HEXATREND QUARRY SDN. BHD.

DRAWING TITLE

Figure 1-2
500M RADIUS PLAN OF THE PROPOSED
PROJECT AREA

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MUKIM KUALA PAKA
DISTRICT OF DUNGUN
TERENGGANU DARUL IMAN
SCALE 1: 8,000

1.2 PROJECT PROPONENT AND QUALIFIED PERSON

This section shall state clearly the identity of the Project Proponent whether it is a public or private organization. The details of the EIA consulting firm and the consultants engaged for the EIA study shall be provided. The EIA consultant team shall be led by a team leader who shall be responsible for supervising the conduct of the EIA study and for coordinating the writing of entire EIA Report. All the members of the EIA consulting team (the team leader and the subject matter consultants (SMCs) shall be Qualified Persons registered with the DOE under the EIA Consultant Registration Scheme (www.doe.gov.my).

NAME AND CONTACT DETAILS OF THE PROJECT PROPONENT

The Project Proponent for this proposed Project is **Hexatrend Quarry Sdn. Bhd.**. Any inquiry pertaining to the proposed operation of the quarry should be directed to the following:

Project Proponent	:	Hexatrend Quarry Sdn. Bhd. (Company No.: 1178486-T)
Address	:	Lot 14019, Kampung Bukit Berapit, Jalan Kelantan, 21060 Kuala Terengganu, Terengganu Darul Iman
Contact Person	:	Yip Kong Wah
Position	:	Manager
Telephone	:	+609-666 6431
Fax	:	+609-662 2430
Email	:	graniteindah@yahoo.com

NAME OF REGISTERED EIA CONSULTANT FIRM

KenEp Consultancy & Services (KCS) has been appointed as the EIA Consultant. The Declaration from registered EIA Consultants and List of Study Team Members are presented at the beginning of this Report.

Environmental Consultant : **KenEp Consultancy & Services**
(Company No.: IP 0436751-T)

Mailing Address : 5-9 Jalan Jelapang Bayu 1,
Puncak Jelapang Bayu,
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Contact Person : Ir. Fakhrol Zakee Bin Abd Kadir
Position : Managing Director/ EIA Team Member

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1.3 **LEGAL ASPECTS**

1.3.1 **Prescribed Activity is Subjection to Section 34A, Environmental Quality Act, 1974**

Section 34(A) of the Environmental Quality (Amendment) Act 1985 states that any person intends to carry out any of the prescribed activities shall need to submit an Environmental Impact Assessment (EIA) report to the Director General of the Department of Environment (DOE) to be endorsed before any approval for carrying out such activity can be granted by the relevant approving authority.

The proposed project falls under First Schedule, Prescribed Activity 19 according to the Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015. First Schedule, Prescribed activity 19 is referring to "**Quarrying of Rock Material**". Based on this Schedule, the development of this Project requires the approval of the Department of Environment (DOE) before its implementation.

Being always mindful of protecting the environment, the Project Proponent is concerned over the potential environment impacts of the development. This concern has prompted the Project Proponent to commission this EIA study in order to formulate the best practicable environmental practices and options which will integrate both the technical and the financial proposal rather than a mere regulatory requirement necessary for the proposed Project to proceed. The environmental standards, regulations and guidelines that are relevant to the proposed quarry operation are:

- ❑ **EIA Guidelines for Mining and Quarry, 2018**
- ❑ **Environmental Impact Assessment Guideline in Malaysia**
- ❑ **Occupational Safety and Health Act, 1994**
- ❑ **Occupational Safety & Health (Noise Exposure) Regulations 2019**
- ❑ **MASMA Guidelines 2nd Edition, Erosion and Sedimentation Control in Malaysian**
- ❑ **Environmental Quality Act, 1974**
 - Environmental Quality (Scheduled Wastes) Regulation, 2005
 - Guidelines for Environmental Noise Limit and Control, Third Edition, 2019
 - Environmental Quality (Sewage) Regulation, 2009
 - Environmental Quality (Clean Air) Regulations 2014
- ❑ **Explosive Act, 1957**
- ❑ **Rancangan Fizikal Negara Ke-3**
- ❑ **Rancangan Struktur Negeri Terengganu**
- ❑ **Environmental Essential For Siting of Industries In Malaysia (EESIM)**
- ❑ **Terengganu Water Resources Enactment (2020)**

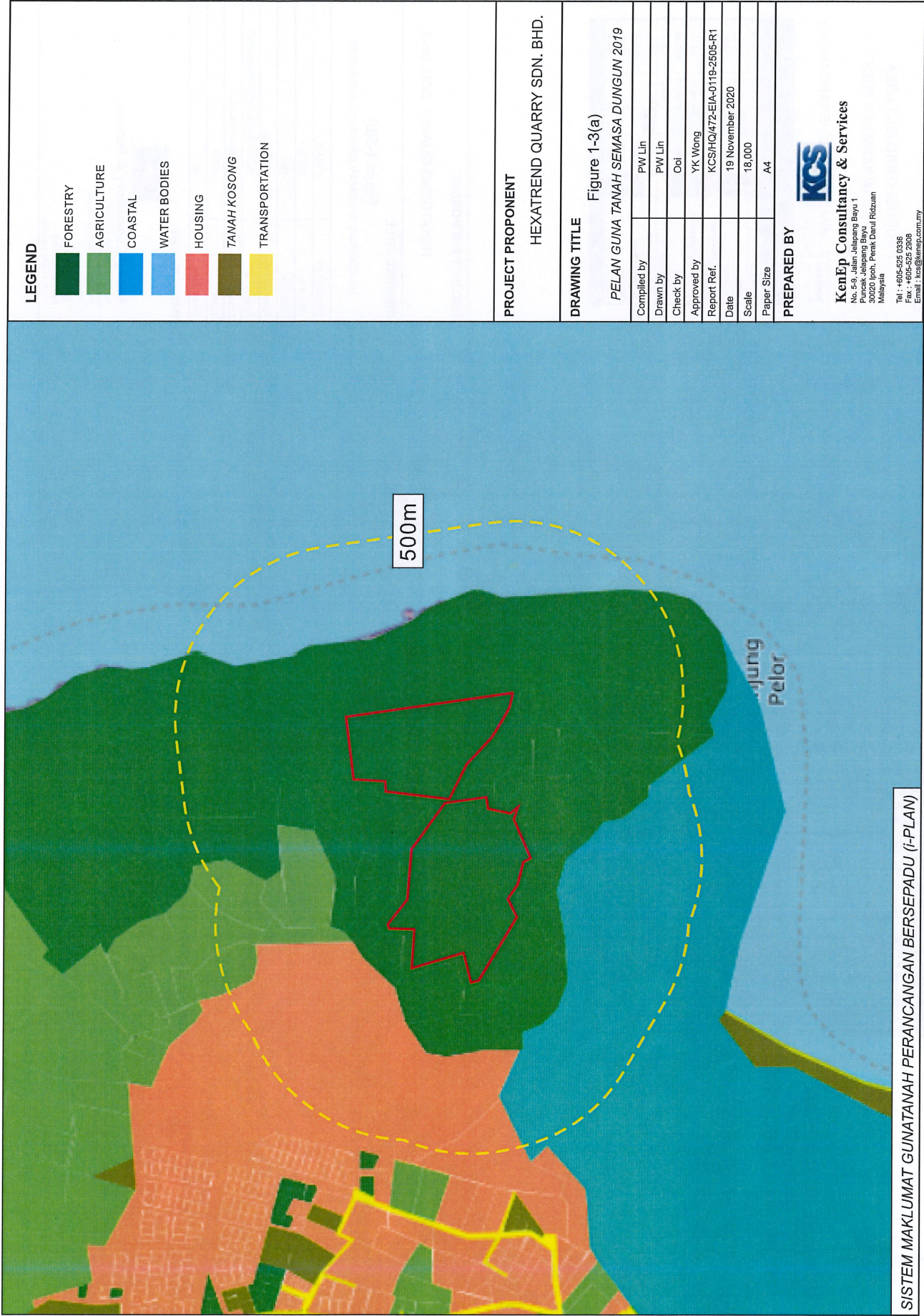
1.3.2 Conformance of Proposed Project to Government's Development Plan

Local plan

The proposed Project area is located within forestry area. The proposed quarry site is covered hilly area with elevations ranging from 5 m above Mean Sea Level (MSL) to the highest of 100 m. No resident located within 500m radius. The nearest receptors are Kampung Tebing Tembah which situated about 750m western. Meanwhile, Kampung Baharu and Kampung Kongsu which are situated about 1.75km southwest from the proposed Project site respectively. The existing quarries located adjacent to the proposed project area which are Paka Kuari Sdn. Bhd. and about 1.0km northern from the proposed project area which is Hardy Builder Sdn. Bhd.. The quarry is currently operating. The proposed quarry operation is seen to be compatible with the existing landuse.

According to "*Pelan Guna Tanah Semasa Dungun 2019*", the proposed project site is located within forestry zone (Refer **Figure 1-3a**). Referring to **Figure 1-3b**, "*Rancangan Tempatan Daerah Dungun 2035*", the proposed project area is fall within *Blok Perancangan 2 Kuala Paka (BP 2)*, which is zoned for forestry area. Thus, the proposed quarry operation is seen to be compatible with the existing landuse.

Project proponent had submitted the application to *Majlis Perbandaran Dungun (MPD)* regards the zoning status. As mentioned in the MPD letter, land can be developed as quarry activity with term and conditions. Letter from *Majlis Perbandaran Dungun (MPD)* is attached in **Appendix 1-2** (Ref: MPD.08/01/2/88 (6) dated on 13 February 2019).



MUKIM OF KUALA PAKA
DISTRICT OF DUNGUN
TERENGGANU DARUL IMAN
SCALE 1 : 2,000



LEGEND

- PROPOSED PROJECT AREA
- SEMPADAN KAWASAN PUSAT BANDAR
- SEMPADAN BLOK PERANCANGAN KECIL (BPK)

PERINGKAT CUKA PAKA	SEDA ADA DIREKAHAN (HEKTA)	CADANGAN (HEKTA)	KESELURUHAN (HEKTA)
Perumahan	500.05	812.043	1,312.093
Industri	289.04	96.64	385.68
Komersial	54.47	59.14	113.61
Infrastruktur Kemudahan Masyarakat	72.37	58.39	130.76
Tanah Lapang dan Bekas	31.58	146.58	178.16
Pertanian	1284.14	947.447	2,181.407
Pengangkutan	324.34	819.14	1,143.5
Infrastruktur dan Utiliti	200.12	21.89	222.01
Kawasan Berhutan	6,353.97		6,353.97
Bekas Air	344.40		344.40
Jumlah	25.94	294.119	14,413.71

PROJECT PROPONENT

HEXATREND QUARRY SDN. BHD.

DRAWING TITLE

Figure 1-3(b)

RANCANGAN TEMPATAN DAERAH DUNGUN 2035

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Drawn by	PW Lin
Check by	Ooi
Approved by	YK Wong
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RANCANGAN TEMPATAN DAERAH DUNGUN 2035

Moreover, Project proponent had submitted the application to *Jabatan Perancang Bandar Dan Desa (JPBD) Negeri Terengganu* regards the zoning status. As mentioned in the JPBD letter, the proposed Project site is gazette under *Perhutanan, Rancangan Tempatan Daerah Dungun (Penggantian) 2035* and the land can be developed as quarry activity. Letter from *Jabatan Perancang Bandar Dan Desa (JPBD) Negeri Terengganu* is attached in **Appendix 1-3** (Ref: JPBD.Tr.06/9372 (3) bertarikh 26 Jun 2019). Based on the comment from *Jabatan Perancang Bandar Dan Desa (JPBD) Negeri Terengganu*, the EIA had taken account those aspects by referred to the *Rancangan Fizikal Negara Ke-3* and *Rancangan Struktur Negeri Terengganu*.

Rancangan Fizikal Negara Ke-3

Malaysia adalah negara yang kaya dengan rizab mineral berlogam seperti bauksit, bijih besi, emas, bijih timah dan juga mineral bukan logam seperti batu granit, batu arang, batu kapur, feldspar, kaolin, silika dan agregat. Sumber-sumber mineral ini merupakan bahan mentah antaranya untuk sektor perindustrian berasaskan mineral, sektor tenaga dan sektor perumahan. Walau bagaimanapun, sumber mineral merupakan sumber asli yang tidak boleh diperbaharui dan perlu diusahakan secara mampan. Aktiviti-aktiviti perlombongan sumber mineral boleh mengakibatkan kesan yang negatif terhadap alam sekitar serta penduduk berhampiran kawasan perlombongan. Walau bagaimanapun kesan-kesan ini dapat diminimumkan melalui perancangan, pengurusan dan pengendalian aktiviti perlombongan yang teliti dan teratur.

- **Tindakan KD1.4B - Membangunkan perlombongan sumber mineral yang mampan:**

Menguatkuasakan Akta Pembangunan Mineral

Akta Pembangunan Mineral 1994 (Akta 525) adalah perundangan bagi mengawal selia aktiviti penjelajahan dan perlombongan mineral dan bijih mineral serta perkara-perkara lain yang berkaitan dengannya. Akta ini memperuntukkan kuasa kepada Jabatan Mineral dan Geosains untuk mengawal selia operasi perlombongan mineral, penjagaan alam sekitar dan isu-isu yang berkaitan.

Setiap aktiviti perlombongan mineral perlu mematuhi Skim Pengendalian Melombong yang diluluskan bagi memastikan alam sekitar dan keselamatan penduduk setempat terjamin. Bagi negeri Sabah, pengawalseliaan dan pengurusan aktiviti perlombongan adalah di bawah Enakmen Mineral 1999. Kerja-kerja pembangunan dan perlombongan boleh dihentikan di bawah enakmen tersebut jika berlakunya pelanggaran.

Bagi aktiviti pengkuarian, Kaedah-Kaedah Kuari di bawah Kanun Tanah Negara tahun 1965 diguna pakai bagi mengawal selia dalam memastikan aktiviti pengkuarian dijalankan secara mampan. Sehingga 2016, sebanyak enam (6) negeri telah mengguna pakai dan menguatkuasakan Kaedah-Kaedah Kuari iaitu Perak, Kelantan, Selangor, Terengganu, Pahang dan Sabah. Bagi memastikan operasi pengkuarian terkawal, menjamin kualiti alam sekitar dan keselamatan penduduk setempat adalah perlu Kaedah-Kaedah Kuari diguna pakai dan dikuatkuasakan di negeri-negeri yang lain.

(Source: Rancangan Fizikal Negara Ke-3, 2016, JPBD)

Rancangan Struktur Negeri Terengganu

Sektor perlombongan telah mengalami penurunan dari segi sumbangan kepada KDNK Negeri Terengganu iaitu kepada 58.7 peratus pada tahun 2000. Kajian mendapati sumber galian dan mineral di Negeri Terengganu belum dieksploitasi dengan sepenuhnya di samping kekurangan aktiviti hiliran yang mampu membuka peluang-peluang pekerjaan untuk penduduk tempatan. Namun sektor ini masih mempunyai potensi dan prospek yang boleh ditambah dan diperkembangkan khasnya aktiviti-aktiviti hiliran bagi petrokimia, gas asli dan mineral seperti batu kapur, tanah liat dan lempung bebola (clay ball), kaolin, pasir silika, bauksit dan granit. Ini kerana sektor perlombongan mempunyai pertumbuhan tahunan yang besar dan memberi sumbangan yang besar kepada ekonomi Negeri Terengganu.

Pembangunan Negeri Terengganu adalah bergantung kepada sektor pertanian, perhutanan dan perlombongan sebagai pemangkin pertumbuhan ekonomi negeri. Sektor ini berpotensi dikembangkan sebagai sektor yang strategik di dalam pembangunan luar bandar terutamanya dalam usaha meningkatkan taraf ekonomi penduduk luar bandar. Penekanan dan tumpuan akan mengambilkira pendekatan yang berdasarkan anjakan paradigma ke arah haluan penggunaan teknologi moden, perniagaan efisien, pendekatan berintegrasi dan strategik.

- ***Perlombongan mineral akan digalakkan dengan mengambilkira kesan alam sekitar.***

- a) Selaras dengan Dasar Mineral Negara, Akta Pembangunan Mineral 1994, carigali, ekstrasi dan penggunaan sumber mineral dioptimumkan dengan mengambilkira keperluan pemasaran dan aspek-aspek perlindungan alam sekitar dengan meminimumkan kesan alam sekitar.*
- b) Untuk perlombongan mineral dan kuari batu kapur yang tidak memerlukan EIA satu 'Environment Statement' perlu disediakan oleh pengusaha.*
- c) Kegiatan-kegiatan perlombongan yang masih mempunyai potensi dan peluang untuk diekstrakkan adalah mineral-mineral seperti lempung dan lempung bebola (ball clay), kaolin (tanah liat putih), pasir silika, iliminite, emas, bauksit, granite dan besi. Pembangunan aktiviti-aktiviti hulu dan hiliran industri perlombongan mineral-mineral tersebut ini akan terus digalakkan.*
- d) Usaha pemulihan perlu dijalankan di kawasan bekas lombong.*
- e) Mengenalpasti aktiviti-aktiviti perlombongan hasil-hasil mineral adalah berekonomik dan tidak menjelaskan alam sekitar.*
- f) Perbadanan perlu ditubuhkan untuk merancang dan mengurus kegiatan perlombongan.*

- ***Kegiatan kuari boleh diteruskan dengan kawalan rapi oleh Pihak Pentadbir Tanah.***

- a) Aktiviti kuari boleh diteruskan dengan kawalan rapi oleh Pihak Pentadbir Tanah. Aktiviti yang penting bagi sektor perlombongan kini ialah kuari yang menjadi input sektor pembinaan.*

Struktur ekonomi Negeri Terengganu masih bergantung kepada sektor primer terutamanya perlombongan dengan nisbah sumbangan KDNK negeri sebanyak 63.4 peratus, diikuti dengan sekunder 22.6 peratus dan tertier 17.7 peratus. Berbanding negeri-negeri lain di Malaysia, petunjuk KDNK negeri menggambarkan ekonomi Negeri Terengganu berada dalam keadaan yang baik walaupun petunjuk ini tidak memberi gambaran yang tepat kerana terdapat jurang yang ketara dengan petunjuk kadar kemiskinan dan pengangguran negeri.

Rancangan Struktur telah mengenalpasti keperluan untuk mempelbagaikan struktur ekonomi bagi Negeri Terengganu. Ini adalah bagi memastikan pembangunan ekonomi yang dinamik dan berdaya saing dapat dijana di samping untuk mengurangkan pergantungan kepada sektor perlombongan. Pembangunan ekonomi masa hadapan perlulah berteraskan kepada pembangunan yang mampan. Sejajar dengan itu, gabungan dasar, amalan dan teknologi yang bersesuaian haruslah dibina bagi membentuk sinergi antara alam sekitar dan ekonomi.

Sektor primer yang terdiri daripada subsektor pertanian, perikanan, perhutanan dan perlombongan dijangkakan akan mengalami penurunan dari segi sumbangan KDNK iaitu sebanyak 15 peratus. Kelebihan yang dimiliki oleh Negeri Terengganu iaitu sumber gas dan petroleum serta hasil pertanian dijangka mampu menyokong sektor tertier dan sekunder dalam menyumbang kepada pertumbuhan ekonomi negeri. Sehubungan dengan itu, langkah-langkah yang perlu diambil adalah seperti berikut :

- **Langkah-langkah Dan Agensi Pelaksana :**

Sektor perlombongan akan dikekalkan dan diperkukuhkan dengan mewujudkan industri hiliran yang mampu meningkatkan ekonomi penduduk tempatan yang melibatkan pemprosesan hasil galian seperti granit, silika dan lempung bebola.

(Source: Rancangan Struktur Negara Ke-3, 2006, JPBD)

Environmental Essential For Siting of Industries In Malaysia (EESIM)

The site is surrounded by industries activities and partial agriculture area. The proposed project is designed in such a way that an adequate buffer zone of 10m-20m from the boundary along the perimeter of Project site shall be reserved. There is no residential within 500m of the proposed Project area. Thus, the proposed project is in line with the Environmental Essential For Siting of Industries In Malaysia (EESIM).

1.4 FORMAT AND OBJECTIVES OF THIS EIA

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 be met:

- ❑ To collect and collate baseline data on the existing physio-chemical, biological and socio - economic aspects of the immediate environment of the Project area.
- ❑ To examine the proposed Project activities relating to the operation of the Project in order to identify, predict and assess the environmental impacts associated with them, especially on issues such as soil erosion and siltation, water and air quality, and safety and physical well-being of the surrounding people.
- ❑ To specify effective mitigating measures, where required, to be incorporated into the present operation.
- ❑ To identify significant residual environmental impacts, if any, and to specify the necessary monitoring requirement.

In order to achieve the objectives of an EIA, this study has been prepared as close as possible to the relevant EIA Guidelines for Mining and Quarry produced by the DOE. Relevant checklist for the content and area of coverage for this EIA study has been prepared and enclosed in **Appendix 1-8**.

1.5 SCOPE OF WORK

The scope of the EIA will include the following activities:

- Collection of information and data to benchmark the existing environment;
- Appreciation of the Project activities, identification and assessment of potential significant impacts on the environment due to the Project activities;
- Proposal for mitigation measures to ameliorate the adverse impacts; and
- Identification of residue impacts and their containment.