MAY 2024

Executive Summary for Conducting Public Hearing

FOR

"Thiru. S. Chinnanna Rough Stone Quarry over a total extent of 2.80.0 Ha"

At

S.F.No. 136 (Part-I) of Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamilnadu State

Project Proponent:

Thiru. S. Chinnanna,
No. 1-39A, Machinaickanapalli Village,
Panchakshipuram Post,
Hosur Taluk, Krishnagiri District.

Project termed under schedule 1(a) Category B_1

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EXECUTIVE SUMMARY

1. Project Background:

The Proposed project is a Rough Stone Quarry, having an extent of 2.80.0 hectares of Government Poramboke Land in S.F.No. 136 (PART-1) of Venkatesapuram village, Shoolagiri Taluk, Krishnagiri district, Tamil Nadu State. The proposed mining project comes under Category B1. The lease area sloping towards South side is covered with rough stone. It is a Hilly terrain.

The quarry operation is proposed to carry out with conventional open-cast mechanized mining with a 5.0-meter vertical bench with a bench width of 5.0 meters. Quarrying operation is carried out by splitting of rock mass of considerable volume from the parent rock mass by jackhammer drilling and blasting, hydraulic excavators are used for loading the rough stone from the pithead to the needy crusher/other buyers. Occasionally hydraulic excavators are attached with rock breakers for fragmentation to avoid secondary blasting.

The Water table is noticed at a depth of 50 m from below the surface in the adjacent open wells of the area. The quarry operation is proposed up to a depth of 43 m below ground level (BGL) for 5 (Five) Years. The total Geological Resources is about 9,56,180 m^3 of rough stone and 41,037 m^3 of topsoil. The Mineable Reserve is about 3,47,730 m^3 of rough stone. The year-wise production/recoverable resources of rough stone and topsoil/gravel for 5 years is about 3,30,344 m^3 of rough stone and 24,456 m^3 of topsoil. The Mining Plan was approved by The Deputy Director (i/c), of Geology and Mining, Krishnagiri Vides Roc. No.72/2016/Mines-1 dated 29.04.2016. The project area does not fall in Hill Area Conservation Authority region. There is no interstate boundary, CRZ zone, Western Ghats, notified Bird sanctuaries, Wildlife Sanctuaries as per the Wildlife Protection Act 1972, within the radius of 15km.

The project does not require a huge amount of water for quarry operation. The total water requirement is 1.81 KLD which will be sourced from the water tanker supply and packaged drinking water from Usthalapalli – 0.32 km, N of the project site.

2. Nature & Size of the Project

The Rough Stone Quarry over an extent of 2.80.00 Hectares land is located Venkatesapuram village, Shoolagiri Taluk ,, Krishnagiri district.

Mineral intends to quarry : Rough Stone
District : krishnagiri
Taluk : Shoolagiri Taluk ,
Village : Venkatesapuram
S. F. Nos : 136 (PART-I)
Extent : 2.80.0 hectares

Table 1: Brief Description of the Project

S.No	Particulars	Details
1	Latitude	12° 44' 50.98"N - 12° 44' 44.25"N
2	Longitude	77° 56' 52.56"E - 77° 56' 43.81" E
3	Site Elevation above MSL	848 m
4	Topography	Hilly terrain
5	Land use of the site	Government Poramboke land
6	The extent of the lease area	2.80.0 Ha
7	Nearest highway	NH – 44 -6.38 Km-SW
8	Nearest railway station	Hosur Railway station-13.67 km-WSW
9	Nearest airport	Hosur airport-20.19 km-WSW
10	Nearest town/city	Town: hosur-7.46 km-SW City: Hosur-7.46 km-SW District: Krishnagiri-30.56 km-SE
11	Rivers / Canal	Ponnaiayr River 4.86 km WNW Gobasandram River 7.58 km SSW
12	Lake	Bukkasagaram Lake 2.52 km SSE Doripalli Lake 4.16 km SSE Muthali Lake 4.40 km NW

		Thummanapalli Lake	4.63 km	SSW
		Chinna Muthali	4.90 km	NW
		Peddakullu Lake	5.10 km	WNW
		Lake 1	5.49 km	SW
		Lake 2	6.08 km	SSE
		Kamandoddi New Lake	6.14 km	SSW
		Lake 3	6.26 km	SSW
		Kamandoddi lake	6.90 km	SSE
		Konerapalli Lake	7.86 km	SSE
		Konerapalli Lake	7.86 km	SSE
		Kumudapalli Lake	7.99 km	WSW
		Chappadi lake	8.71 km	SSE
		Moranapalli Lake	8.90 km	WSW
		Guruparathapalli Well	9.52 km	SSE
		Bathlapalli lake	9.83 km	WSW
		Chennathur Lake	10.07 km	WSW
		Anachandiram Lake	10.10 km	SE
		Lake 4	10.18 km	SSE
		Alasantham Lake	10.57 km	WSW
		Karapalli Lake	11.06 km	WSW
		Basthi lake	11.26 km	WNW
		Vasanth Nagar Lake	11.70 km	WSW
		Alasanatham Lake	11.80 km	WSW
		TheppaKulam	12.24 km	WSW
		Nallur Lake	12.49 km	NW
		NB Agraharam Lake	12.62 km	WNW
		Gokul Nagar Lake	12.63 km	WSW
		Shanthapuram Lake	13.51 km	WNW
		Rama Naicken Lake	13.52 km	WSW
		Rangopanditha Agraharam Lake	13.62 km	WSW
		Bedrapalli Lake	14.29 km	WNW
		Nalluru Agrahara Lake	14.30 km	NW
		Govindhan lake	14.49 km	SW
		Bennikkal waterfalls	14.69 km	SW

		Achettapalli Lake 14.72 km WSW
13	Hills/valleys	Anjenaya hill Shoolagiri-11.89 km-SE Brahmma Hills-12.15 km-WSW
14	Archaeologically places	Nil within a 15 km radius circle
15	National parks / Wildlife Sanctuaries	Cauvery Wildlife Sanctuary-22.89 km-SSW
16	Reserved / Protected Forests	Nil within a 15 km radius circle
17	Seismicity	The proposed lease area comes under Seismic Zone II and III.

3. Need for the Project

- The mining activities as proposed are the backbone of all construction and infrastructure projects as the raw material for construction is available only from such mining. The Rough stone extracted will be transported to be Stone crusher of district Krishnagiri.
- The raw rough stone as well as the crushed material of stone is in high demand in real estate, construction projects as well as in building construction projects.
- Rough stone is quarried for producing crusher aggregates to the nearby building contractors, road contractors and nearby villagers.
- After quarrying the entire reserves mined out, the area will be used as water reservoir to have an artificial recharge to the nearby wells.
- No damage to the land is caused, no reclamation or back filling is required.

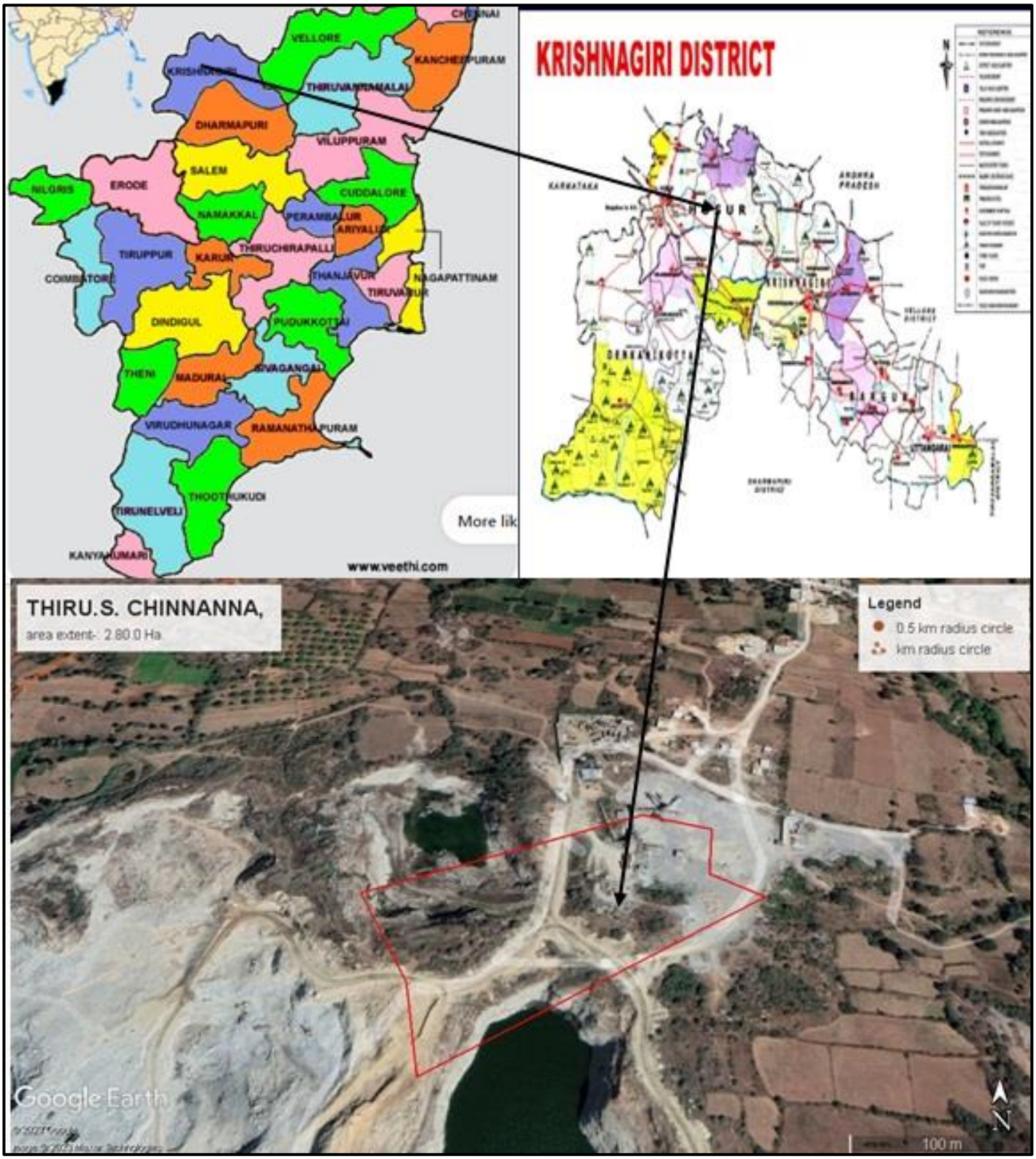

Figure 1: Location Map of the Project Site

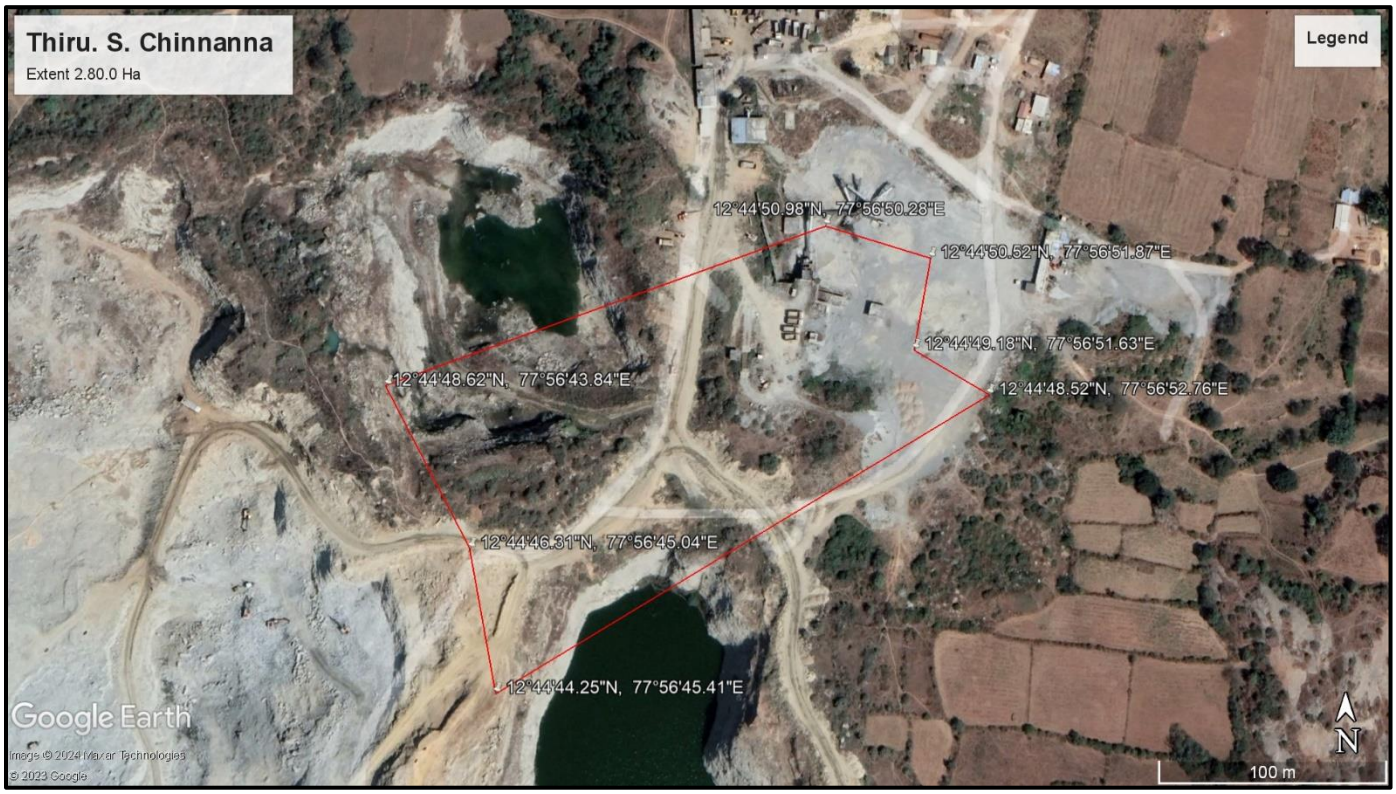

Figure 2: Google Image of the Project Site

4. Charnockite

Charnockite and granitic gneisses are extensively quarried as rough stone, which is used as aggregates for construction of building, laying of roads and for preparation of value added products like hollow blocks, pillar stones, M-sand etc. Charnockite occurs as massive bodies, greyish color, medium to coarse grained, composed quartz, feldspar and orthopyroxene. At places, metamorphic gneissic banding (alternate dark and black color) in charnockite is noticed. Since the rough stone is seen from the surface itself and noticed in the already quarried pit, no exploration is needed.

5. Geological resources

The geological resources have been calculated based on the cross-section method.

Table 2. Geological resources

Geological Reserve							
Section	**Bench**	**Length (m)**	**Width (m)**	**Depth (m)**	**Volume m^3**	**Geological Reserves m^3**	**Topsoil m^3**

XY-AB	I	17	87	3			4437
	II	17	87	5	7395	7025	
	III	121	131	5	79255	75292	
	IV	121	131	5	79255	75292	
	V	121	131	5	79255	75292	
	VI	121	131	5	79255	75292	
	VII	121	131	5	79255	75292	
	VIII	121	131	5	79255	75292	
	IX	121	131	5	79255	75292	
	TOTAL				**562180**	**534071**	**4437**
XY-CD	I	122	100	3			36600
	II	62	100	5	31000	29450	
	III	121	100	5	60500	57475	
	IV	121	100	5	60500	57475	
	V	121	100	5	60500	57475	
	VI	121	100	5	60500	57475	
	VII	121	100	5	60500	57475	
	VIII	121	100	5	60500	57475	
	TOTAL				**394000**	**374300**	**36600**
GRAND TOTAL					**956180**	**908371**	**41037**

Table 3. Mineable Reserves

Mineable Reserve							
Section	**Bench**	**Length (m)**	**Width (m)**	**Depth (m)**	**Volume m^3**	**Mineable Reserves m^3**	**Topsoil m^3**
XY-AB	I	5	75	3			1125
	II	4	74	3	1480	1406	
	III	103	95	5	48925	46479	
	IV	98	85	5	41650	39568	
	V	93	75	5	34875	33131	
	VI	88	65	5	28600	27170	
	VII	83	55	5	22825	21684	
	VIII	78	45	5	17550	16673	
	IX	73	35	5	12775	12136	
	TOTAL				**208680**	**298248**	**1125**
XY-CD	I	202	77	3			23331
	II	62	74	5	22940	21793	

	III	108	64	5	34560	32832	
	IV	103	54	5	27810	26420	
	V	98	44	5	21560	20482	
	VI	93	34	5	15810	15020	
	VII	88	24	5	10560	10032	
	VIII	83	14	5	5810	5520	
	TOTAL				**139050**	**132099**	**23331**
GRAND TOTAL					**347730**	**330347**	**24456**

Table 4. Year wise Production Plan

Yearwise Reserve								
Year	**Section**	**Bench**	**Length (m)**	**Width (m)**	**Depth (m)**	**Volume m^3**	**Recoverable reserves m^3**	**Topsoil m^3**
I YEAR	XY-AB	I	5	75	3			1125
		II	4	74	5	1480	1406	
		III	103	95	5	48925	46479	
II YEAR		IV	98	85	5	41650	39568	
		V	93	75	5	34875	33131	
III YEAR	XY-CD	I	101	77	3			2331
		II	62	74	5	22940	21793	
		III	108	64	5	34650	32832	
IV YEAR	XY-AB	VI	88	65	5	28600	27170	
	XY-CD	IV	103	54	5	27810	26420	
		V	98	44	5	21560	20482	
V YEAR	XY-AB	VII	83	55	5	22825	21684	
		VIII	78	45	5	17550	16673	
		IX	73	35	5	12775	12136	
	XY-CD	VI	93	34	5	15810	15020	
		VII	88	24	5	10560	10032	
		VIII	83	14	5	5810	5520	
TOTAL						**347730**	**330344**	**24456**

6. Mining

Opencast mining

The quarry operation is proposed to be carried out with conventional open cast mechanized mining with 5.0-meter vertical bench with a bench width of 5.0 meter. The Quarry operation involves shallow jack hammer drilling, blasting, loading and transportation.

Process Description

- The reserves and resources are arrived based upon the Geological investigation.
- Removal of Topsoil by Excavators and directly Loaded into Tippers.
- Removal of Rough Stone by Excavators by Drilling and Blasting.
- Shallow Drilling With Jackhammer of 25.5mm Dia.
- Minimum Blasting With Class 3 Explosives.
- Loading of Rough Stone By Excavators Into Tippers.

7. Water Requirement

Total water requirement for the mining project is 1.81 KLD. Domestic water will be sourced from nearby Usthalapalli Village and other water will be sourced from nearby road tankers supply.

Table 5. Water Balance

Purpose	Quantity	Source
Drinking Water	0.81 KLD	Packaged Drinking water vendors available in Usthalapalli Village which is about 0.32 - N km from project area
Green belt	0.5 KLD	Other domestic activities through road tankers supply
Dust suppression	0.5 KLD	From road tankers supply
Total	**1.81 KLD**	

8. Manpower

Total manpower required for the project is approximately 21 persons. Workers will be from nearby villages.

Table 6. Man Power

S.No	Skill Level	Position	Nos.
1.	Management & Supervisory Staff		3

2.	Skilled	Operator	2
		Mechanic	1
		Blaster/mate	1
3.	Semi – skilled	Driver	2
4.	Unskilled	Musdoor / Labours	5
		Cleaners	3
		Office Boy	1
Total			**18 Nos.**

9. Solid Waste Management

Table 7 Solid Waste Management

S. No	Type	Quantity	Disposal Method
1	Organic	3.24 kg/day	Municipal bin including food waste
2	Inorganic	4.86 kg/day	TNPCB authorized recyclers

As per CPCB guidelines: MSW per capita/day =0.45 kg/day

Table 8 500m Radius Cluster Mine

1) Details of Existing quarries:

Sl. No	Name of the lessee	Village & Taluk	S.F No.	Extent in Hect	GO Date	Lease period.
1	Thiru Y. Jagadesh, Annaidoddi, Jigini Hobbli, Anekal Taluk, Bangalore 560 083	Venkatesapuram, Shoolagiri Taluk	136 (Part - VII)	3.50.0	Roc.76/2016/ Mines. Dt:02.07.2018	13.07.2018 - 12.07.2023
2	Thiru Manjunaika, S/o ShamaNaik, Sevanayakana	Venkatesapuram, Shoolagiri Taluk	136 (Part - III)	4.10.0	Roc.219/2018 /Mines. Dt:08.03.2019	08.03.2019 - 07.03.2024

3	Thiru P. Selvaraju, S/o Periyasamy, NO. 57-B1, Kalliyannan Nagar, Kumarapalayam, Thiruchengodu, Namakkal District	Venkatesapuram, Shoolagiri Taluk	86 (Part - VI)	2.50.0	Roc.69/2016/ Mines. Dt:13.10.2016	17.10.2016 - 16.10.2021
4	J. Shanmugam, S/o Jaganathan, S.S. Blue Metals, No. 4 Pillaiyar Koil Street, Marandapalli Post, Palacode Taluk, Dharmapuri Dist.	Venkatesapuram, Shoolagiri Taluk	86 (Part - VII)	2.50.0	Roc.70/2016/ Mines. Dt:28.09.2016	03.10.2016 - 02.10.2026

2) Details of Proposed /Applied quarries.

Sl. No	Name of the lessee	Village Taluk	S.F No.	Extent in Hect	GO Date	Lease period.
1	Thiru. S. Chinnanna No. 1-39 Masinaickenapalli Village, Hosur Taluk, Krishnagiri District	Venkatesapuram, Shoolagiri Taluk	136 (Part 1)	2.80.0	Roc.72/2016/Mines. Dt:29.02.2016	
2	Tvl. S. V Blue Metals, Prop. V. Nagarajan, Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District	Venkatesapuram, Shoolagiri Taluk	136 (Part 1)	2.70.0		Precise area given.
3	M/s. Sri Vinayaka Enterprises, Beggli Village, Shoolagiri Taluk, Krishnagiri	Venkatesapuram, Shoolagiri Taluk	136 (Part 1)	2.85.0	1263/2018/Mines .dt:02.11.2018.	Precise area given.

3) Details of Abandoned/Old Quarries

Sl. No	Name of the lessee	Village Taluk	S.F No.	Extent in Hect	GO Date	Lease period.
1	Thiru A.D. Mohan, S/o Late, A.C. Devaiah, Koppa Gate, Jigani Hobli, Anekal	Venkatesapuram, Shoolagiri Taluk	136 (Part - II)	4.00.0	Roc.78/12/Mines. Dt:21.05.2012	13.07.2012 - 12.07.2017

	Taluk, Bangalore, Karnataka State.					
2	Thiru V. Jayaprakash, S/o Venkatesappa, No. 488 B. Singiripalli Village, B. Gurubarapalli Post, Hosur Taluk, Kishnagiri District.	Venkatesapuram, Shoolagiri Taluk	136 (Part - IV)	2.00.0	Roc.73/2016/ Mines. Dt:08.08.2016	24.08.2016 - 23.08.2021
3	Thiru. T. Muniraj, Koppa Village, Gigini, Annekal Taluk, Bangalore	Venkatesapuram, Shoolagiri Taluk	136 (Part - V)	1.30.0	Roc.74/2016/ Mines. Dt:08.08.2016	22.08.2016 - 21.08.2021
4	Thiru. N. Haries Koppa Village, Gigini Annekal Taluk, Bangalore	Venkatesapuram, Shoolagiri Taluk	136 (Part - VI)	3.00.0	Roc.75/2016/ Mines. Dt:09.08.2016	24.08.2016 - 23.08.2021
5	Thiru. V. Madesh, No.1/271, Vannapalli Village, Mugalur Post, Hosur Taluk.	Venkatesapuram, Shoolagiri Taluk	136 (Part - IX)	3.00.0	Roc.77/2016/ Mines. Dt:09.08.2016	24.08.2016 - 23.08.2021

The Total extent of the Existing / Lease expired / Proposed quarries are 34.25.0 Ha.

10. Land Requirement

The total extent area of the project is 2.80.00 Ha, Government Poramboke land in Venkatesapuram Village of Shoolagiri Taluk , Krishnagiri District.

Table 9 Land Use Breakup

S. No.	Land Use	Present Area (Hect)	Area in use during the quarrying period (Hect)
1.	Quarrying Pit	0.53.5	2.22.7
2.	Infrastructure	Nil	0.01.0
3.	Roads	0.01.0	0.02.0
4.	Green Belt & Dump	Nil	0.10.0
5.	Unutilized Area	2.25.5	0.44.3
Total		**2.80.0**	**2.80.0**

11. Human Settlement

There are 5 habitations and 4 workers shed within 300m radius. There are villages located in this area within a 5km radius of the quarry.

Table 10 Habitation

SL. NO.	DIRECTION	VILLAGE	POPULATION	DISTANCE
1	N	Usthalapalli village	969	0.32 km
2	NW	Gollapalli Village	5196	0.96 km
3	NNW	Dhasapalli village	100	2.4 km
4	ENE	Athimugam village	4540	2.86 km
5	WSW	Sukkasagaram village	2126	3.34 km
6	SSE	Deripalli village	3681	3.56 km
7	N	Nariganapuram	928	4.45 km
8	SE	Nallaganakothapalli village	968	4.96 km
9	SSW	Kamandoddi village	6524	5.75 km
10	SW	Upparathamandrapalli	500	11.68 km

12. Power Requirement

The Rough Stone Quarry project does not require huge water and electricity for the project.

16 Litre diesel per hour for excavator for mining and loading for rough stone needed.

13. Scope of the Baseline Study

This chapter contains information on existing environmental scenarios on the following parameters.

1. Micro – Meteorology
2. Water Environment
3. Air Environment
4. Noise Environment
5. Soil / Land Environment
6. Biological Environment

7. Socio-economic Environment

13.1 Micro – Meteorology

Meteorology plays a vital role in affecting the dispersion of pollutants, once discharged into the atmosphere. Since meteorological factors show wide fluctuations with time, meaningful interpretation can be drawn only from long-term reliable data.

i) Average Minimum Temperature : 18° C

ii) Average Maximum Temperature : 39° C

iii) Average Annual Rainfall of the area : 968 mm

13.2 Air Environment

Ambient air monitoring was carried out on a monthly basis in the surrounding areas of the Mine Lease area to assess the ambient air quality at the source. To know the ambient air quality at a larger distance i.e., in the study area of 5 km. radius, an air quality survey has been conducted at 7 locations. Major air pollutants like Particulate Matter (PM10), Sulphur Dioxide (SO2), Nitrogen Dioxide (NO2) were monitored and the results are summarized below.

The baseline levels of PM_{10} (67-41 µg/m³), $PM_{2.5}$ (33-16 µg/m³), SO_2 (20-5 µg/m³), NO_2 (32-9µg/m³), all the parameters are well within the standards prescribed by National Ambient Air Quality during the study period from Oct 2023 to Dec 2023.

13.3 Noise Environment

The maximum Day noise and Night noise were found to be 58 dB(A) and 47 dB(A) respectively in in Dargah Hazrat Hashim Ali Shah Qadri, Peddasigaralapalli. The minimum Day Noise and Night noise were 39 dB(A) and 32 dB(A) respectively which was observed in project site. The observed values are all well within the Standards prescribed by CPCB.

13.4 Water Environment

- The average pH ranges from 7.11 – 7.83.
- TDS value varied from 319 mg/l to 1385 mg/l.
- Hardness as $CaCO_3$ varied from 158 to 858 mg/l.

- Chloride varied from 38.50 to 410 mg/l.

13.5 Land Environment

The analysis results show that the majority of soil in the project and surrounding area is slightly alkaline in nature and pH value ranges from 6.83 to 8.64 with organic matter 0.08 to 0.24%. The concentration of Nitrogen, Phosphorus & Potassium has been found to be in good amount in the soil samples.

13.6 Biological Environment

The proposed Mining lease area is mostly dry barren ground with small shrubs and bushes. No specific endangered flora & fauna exist within the mining lease area.

14. Rehabilitation/ Resettlement

- The overall land of the mine is Government Poramboke land. There is no displacement of the population within the project area and adjacent nearby area. Social development of nearby villages will be considered in this project.
- The mine area does not cover any habitation. Hence the mining activity does not involve any displacement of human settlement.

15. Greenbelt Development

1. The development of greenbelt in the peripheral buffer zone of the mine area.
2. The Green belt has been recommended as one of the major components of the Environmental Management Plan, which will improve ecology, the environment and quality of the surrounding area.
3. Local trees like Neem, Pungam, Naval etc., will be planted along the lease boundary and avenues as well as over non-active dumps at a rate of 280 trees per annum with interval 5m.
4. The rate of survival expected to be 80% in this area

Table.11 Plantation/ Afforestation Program

Name of species proposed	Survival	No of species

Neem, Pungam, Poovarasu, Naval, Mantharai, Arasa Maram, Magizham, Vilvam, vaagai, Marudha maram, Thandri, Poovarasu, Manjadi, Usil, Aathi, Panai, Uzha, Illuppai, Eachai, Vanni Maram.	80%	1400
Total		**1400**

16. Anticipated Environmental Impacts

16.1 Air Environment and Mitigation Measures

1. Water sprinkling will be done on the roads & unpaved roads.
2. Proper mitigation measures like water sprinkling will be adopted to control dust emissions.
3. Plantation will be carried out on approach roads, solid waste site & nearby mine premises.
4. To control the emissions regular preventive maintenance of equipments will be carried out.

16.2 Noise Environment and Mitigation Measures

1. Periodical monitoring of ambient noise will be done as per CPCB guidelines.
2. No other equipment except the transportation vehicles and excavator for loading will be allowed.
3. Noise generated by these equipments shall be intermittent and does not cause much adverse impact.

17. Responsibilities for Environmental Management Cell (EMC)

The responsibilities of the EMC include the following:

i. Environmental Monitoring of the surrounding area

ii. Developing the green belt/Plantation

iii. Ensuring minimal use of water

iv. Proper implementation of pollution control measures

18. Environmental Monitoring Program

A monitoring schedule with respect to Ambient Air Quality, Water & Wastewater Quality, Noise Quality as per Tamil Nadu State Pollution Control Board (TNPCB), shall be maintained.

19. Project Cost

The Total Project Cost is **Rs.1,71,42,000/-** for deployment of machinery and creation of infrastructural facilities like approach road, mine office / Workers Shed, First Aid Room etc., including electrifications and water supply.

Table 12 Project Cost details

Proposed Financial Estimate / Budget for (EMP) Environment Management.	
Fixed Asset Cost:	**Rs.64,10,000/-**
Operational Cost: **Machinery cost**	**Rs.20,00,000/-**
EMP Cost:	**Rs.87,32,000/-**
Total Project Cost	**Rs.1,71,42,000/-**

20. Corporate Environmental Responsibility

The Corporate Environment Responsibility (CER) fund will be provided to the below activity.

Table 13 CER Cost

S.No.	CER Activity	CER value (Rs)
1.	P.U.P School, Venkatesapuram Village, Shoolagiri Taluk , Krishnagiri District.	5,00,000/-
2.	P.U.P School, Menasanadoddi Village, Shoolagiri Taluk , Krishnagiri District. Providing facilities are: ✓ Furnitures (Table, Chairs & Bench for School Students) ✓ Construction of Classrooms for Students ✓ Xerox Machine for School Students ✓ R.O Water Facility ✓ Smart Classroom facility ✓ Greenbelt Development inside and around the campus – 50 No's.	

	✓ Environmental, Social Awareness and General Knowledge Books in Tamil Language. ✓ Hygienic Toilet Facility and maintenance upto lease period.	
Total		**5,00,000/-**

21. Benefits of the Project

- There is a positive impact on socioeconomics of people living in the villages. Mining operations in the subject area has positive impact by providing direct and indirect jobs opportunities.
- The project is environmentally compatible, financially viable and would be in the interest of the construction industry thereby indirectly benefiting the masses.
- Quarrying in this area is not going to have any negative impact on the social or cultural life of the villagers in the nearby vicinity.