

EXECUTIVE SUMMARY FOR PROPOSED ROUGH STONE QUARRY CATEGORY – B1 (CLUSTER AREA – 5.95.5 Ha.)

(Submitted for Public Hearing as per the provisions of EIA Notification 2006 & its amendments thereof)

APPROVED TOR vide TO25B0108TN5375208N Dated: 25.07.2025 (File No – 12271)

PROPOSED QUARRY LEASE DETAILS	
SURVEY NOS	1619 (Part)
VILLAGE	THIMMARASANAICKANUR BIT-2
TALUK	ANDIPATTI
DISTRICT	THENI
EXTENT	2.50.0 Ha
PROPOSED PRODUCTION QUANTITY FOR FIVE YEARS	2,38,149 M ³ OF ROUGH STONE
LAND	GOVERNMENT LAND

(Sector No. 1(a) (Sector no.1 as per NABET)

Category of the Project: B1 Cluster Mining, Total Cluster Area – 5.95.5 Ha

Baseline Monitoring Period – March to May 2025

APPLICANT

**TVL.VANNATHIPARAI NAGAMMAL KALLUDAIKUM MAGALIR SANGAM
TMT.T.THAVAMANI(PRESIDENT) (REGISTERNO.62/2021),
SOUTHSTREET, RAJAGOPALANPATTI, ANDIPATTITALUK,
THENI – 625 536.**

ENVIRONMENTAL CONSULTANT	LABORATORY
M/s. GLOBAL MINING SOLUTIONS <i>(NABET Accredited & ISO 9001 Certified Consultant)</i> Plot No. 6, S.F.No. 13/2, A2, VS City, RC Chettypatty, Kottamettupatty, Omalur, Salem, Tamil Nadu – 636 455. NABET Accreditation No: NABET/EIA/23-26/SA 0241, Valid Until - January 4, 2026 Contact: 97502 23535 & 94446 54520 Email: infoglobalmining@gmail.com, globalminingsolutionssalem@gmail.com	M/s. SHRIENT ANALYTICAL & RESEARCH LABS PRIVATE LIMITED <i>(NABL Accredited Testing Laboratory)</i> Valid Until -29.09.2025 #416/15, Dhargas Road, Perungalathur, West Tambaram, Chennai, Tamil Nadu, India.

EXECUTIVE SUMMARY

1.1 INTRODUCTION

Environmental Impact Assessment (EIA) as a tool used to identify the environmental, social and economic impacts of a project prior to decision-making. It aims to predict environmental impacts at an early stage in project planning and design, find ways and means to reduce adverse impacts, shape projects to suit the local environment and present the predictions and options to decision-makers.

This proposal is towards obtaining environmental clearance for Rough Stone located at S. F. No. 1619 (Part) of Thimmarasanaickanur Bit-2 Village, Andipatti Taluk, Theni District, Tamil Nadu State., for production capacity of 2,38,149 m³ of Rough Stone for the period of first 5 years with ultimate depth up to 35 m BGL. The mining plan has prepared and same was approved by Assistant Director, Department of Geology and Mining, Theni, vide Roc. No. 103/Mines/2024, Dated 02.04.2025.

As per EIA notification, 2006 and its subsequent amendments the proposed "Rough Stone of TMT.T. Thavamani" is falls under Schedule 1(a) Mining of Minerals. It is further classified under Category B1 due to the overall extent of cluster area is 5.95.5 Ha which is >5 Ha. The ToR for the preparation of EIA/EMP was approved vide ToR identification number TOR Identification no. TO25B0108TN5375208N, Dated: 25.07.2025. This report has been prepared in line with the approved TOR for maximum excavation of 2,38,149 m³ of Rough Stone for the period of first 5 years with ultimate depth up to 35 m BGL.

S.No.	Description	Status/Remarks
1.	Sector	1(a), non-coal mining
2.	Category of the project	B1
3.	Proposed mineral	Rough Stone
4.	Type of Land	Government Land
5.	ML Area	2.50.0 Ha

6.	Proposed depth of Mining	35 m BGL for 5 years
7.	Method of mining	Opencast Manual Method of Mining
8.	Proposed lease period	5 Years
9.	Proposed Environmental Clearance	5 Years
10.	Proposed production quantity for Five years	Rough Stone – 2,38,149 m ³

TMT. T. Thavamani, experience in the identification, quarrying and marketing of Rough Stone. The proposed land is a government land and attached as **Annexure 6**.

1.2 LOCATION

The proposed Quarry lease area is situated at S.F.No.1619(Part) of Thimmarasanaickanur Bit-2 Village, Andipatti Taluk, Theni District, Tamil Nadu State. The area lies in the North Latitude of 10°01'35.45"N to 10°01'41.76"N and eastern longitude of 77°38'15.88"E to 77°38'22.59"E with Survey of India Topo Sheet No. 58F/12. To conduct the study, the proposed mine lease area (core zone) and an impact zone of 10 km radius (called buffer zone) around the proposed mine site were considered. The EIA report is based on three months baseline data (i.e. March 2025 to May 2025)

1.3 GEOLOGY

The rock type noticed in the area is Charnockite which contains mostly Quartz and Feldspar with some ferromagnesian minerals. The Charnockite is part of peninsular Gneisses, a high-grade metamorphic rock. The strike of the Charnockite formation is N400E– S400W with vertical dipping.

1.4 PROJECT DESCRIPTION

This is a proposed Rough Stone by Opencast Manual method of mining without blasting. The quarrying is restricted up to a depth of 35 m below ground level. The geological reserves are estimated to be Rough Stone – 6,96,273m³. The mineable

reserve calculated by deducting safety distance and bench loss. The mineable reserves are 2,38,149 m³ of Rough Stone which will be recovered at the rate of 100% recovery upto a depth of 35 m Below ground level for the period of five years.

- It is proposed to quarry out rough stone with 5m bench height, 5m width with overall slope is 47° using Open cast Manual method method. The quarry operation involves Splitting of rock mass of considerable volume from the parent rock mass by jackhammer drilling, JCB excavators are used for loading the Rough Stone from pithead to the needy buyers.
- There is no overburden anticipated during entire rough stone & Gravel quarrying operation.

S.No.	Type of Detail	Description
1	Sector	1(a) Non coal mining
2	Fresh/Existing project	Proposed Project
3	Category	B1
4	Nature of mineral	Rough Stone
5	Production	Rough Stone - 2,38,149 m ³
6	Life	5 years
7	Waste generation and management	There is no overburden anticipated during the quarrying operation. Hence, no waste generation.
8	Bench height and width	Height and Width – 5m
9	Ultimate pit depth	35 m (BGL)
10	End use	Rough Stone will be loaded into tippers to needy buyers for producing aggregates, M-sand.

1.5 PROJECT REQUIREMENTS

The requirements of the project is given below.

S.No.	Nature of requirement	Description
1	Water Requirement & source	Total – 4.0 KLD. The required water will be procured from outside agencies initially. Later, water collected in the mine pit will be used to meet the needs.
2	Power requirement	No electricity is needed for mining operations, for office demands, it will be met from the state grid.
3	Manpower requirement	20 Nos
4	Financial requirement	Total EMP Cost for 5 years is 25.26 lakhs i.e., Rs.13.77 Lakhs of Capital + Recurring cost Rs. 11.49 lakhs for Five years
5	Funds for Socio economic development	INR 3 Lakhs is allocated for CER activities.

1.6 DESCRIPTION OF LEASE AREA

The features in the study area is given below.

Description of the lease area		
S.No.	Areas	Distance from project site
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	Nil within 15km radius
2	Areas which are important or sensitive for ecological reasons	
A	Wetlands, water courses or other water bodies,	Canal (58) – 42 m (N) (10m Safety distance is provided) ,

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		Odai- 92 m (SW), 162 m (NE), 369 m (SE), Vaigai River – 1.6 km (N), Periyar Main Canal – 1.9 km (N), Mavuttu Odai – 3.1 km (NW), Varaha River – 4.3 km (N), Vaigai Dam – 6.1 km (NW)
B	Coastal zone, biospheres,	Nil within 10km radius
C	Mountains, forests	Andipatti Northern Block R.F. – 1.6 km (E), Andipatti Southern Block R.F. – 4.0 km (SE), Rajadani R.F. – 7.7 km (E)
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	Nil within 10 km radius Srivilliputhur Megamalai Tiger Reserve - 8.8km (S)
4	Inland, coastal, marine or underground waters	Nil within 10 km radius
5	State, National boundaries	Nil within 10km radius
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Nil within 10 km radius
7	Defense installations	Nil within 10km radius
8	Nearest Village	Rajagopalanpatti Habitation – 387m, (NE)
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Nil

10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Nil
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	Nil
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earth quakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions) similar effects	No. The area is not prone to earthquakes, floods, etc.

The baseline data collection for meteorology, air, water, noise and soil environments have been carried out during March to May 2025.

Air, water, noise and soil samples are collected and analyzed through NABL accredited lab.

1.7 AIR ENVIRONMENT

The air monitoring has been carried out in 6 locations and the results are given below.

S. No	Code	Project Location	Latitude	Longitude
1	AQ1	Project Site (Thavamani)	10° 1'39.41"N	77°38'19.32"E
2	AQ2	Anaikaraipatti	10° 2'44.84"N	77°38'54.67"E
3	AQ3	Theppathupatty	10° 3'4.52"N	77°42'45.72"E
4	AQ4	T. Vadipatty	10° 2'45.76"N	77°37'44.37"E
5	AQ5	Thoppampatti	9°58'56.14"N	77°38'29.37"E
6	AQ6	Andipatti	10° 0'5.12"N	77°37'6.84"E
7	AQ7	T.Renganavaram	10° 1'12.50"N	77°37'25.58"E

Ambient Air Quality											All Value in µg/m3		
S.NO	Parameters	PM10			PM2.5			SO2			NO2		
	Locations	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
1	A1 - Mine Lease Area	52.8	57.5	67.2	25.6	27.9	32.6	4.3	5.3	6.9	8.5	10.7	14.3
2	A2 - Anaikaraipatti	41.9	46.5	52.1	20.1	22.3	25.0	3.9	4.8	5.5	8.9	10.0	11.6
3	A3 - Theppathupatty	41.8	46.0	54.5	19.6	21.6	25.6	4.7	6.9	8.9	7.3	9.7	12.0
4	A4 - T. Vadipatty	38.1	45.0	51.9	17.4	20.6	23.9	3.9	4.9	6.1	8.1	9.2	10.4
5	A5 - Thoppampatti	44.0	49.5	55.6	20.7	23.3	26.0	4.2	4.9	5.8	9.1	10.9	12.3
6	A6 - Andipatti	48.7	53.0	57.9	22.5	24.5	26.8	4.6	5.3	6.5	9.9	11.7	13.8
7	A7 -T.Renganavaram	49.2	53.8	58.9	22.8	24.9	27.0	4.4	5.5	6.6	8.6	10.9	13.7
8	CPCB NAAQS 2009	100			60			80			80		

All the values of pollutant concentrations were found to be within the NAAQs Standards.

1.8 WATER ENVIRONMENT

Table 3.8 – Ground Water Analysis Results

Parameter	GW1	GW2	GW3	GW4	GW5	GW6	GW7	Permissible Limits
Odour	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	Agreeable
Turbidity	<1	<1	<1	<1	<1	<1	<1	5
pH at 25 °C	7.24	7.75	7.22	7.31	7.21	7.93	7.24	6.5- 8.5
Electrical Conductivity	1065	1017	1336	1426	918.5	736.6	845.8	-
Total Dissolved Solids	640	612	802	860	552	442	510	2000
Total hardness as CaCO ₃	339	171	576	480	389	216	284	600
Calcium as Ca	82.4	42.4	133	109	106	48.0	71.6	200
Magnesium as Mg	31.9	15.6	58.6	49.9	29.8	23.0	25.2	100
Calcium as CaCO ₃	206	106	332	272	265	120	179	-
Magnesium as CaCO ₃	133	65.0	244	208	124	96.0	105	-
Total alkalinity as CaCO ₃	420	175	380	440	286	202	232	600
Chloride as Cl ⁻	146	375	252	213	149	132	151	1000
Free Residual chlorine as Cl ⁻	BDL (D.L - 0.2)	BDL(D.L- 0.2)	BDL(D.L- 0.2)	BDL (D.L- 0.2)	BDL(D.L- 0.2)	BDL (D.L - 0.2)	BDL (D.L - 0.2)	1
Sulphates as SO ₄ ²⁻	168	75.9	102	154	32.0	52.4	56.6	400
Iron as Fe	BDL(D.L - 0.01)	BDL(D.L - 0.01)	BDL(D.L - 0.01)	BDL(D.L - 0.01)	BDL(D.L - 0.01)	0.05	0.05	0.3

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Nitrate as NO ₃	4.32	1.65	3.06	2.75	2.69	1.54	2.89	45
Fluoride as F	0.45	0.29	0.52	0.35	0.32	0.47	0.47	1.5
Manganese as Mn	BDL (D.L - 0.05)	BDL(D.L- 0.05)	BDL(D.L- 0.05)	BDL(D.L- 0.05)	BDL(D.L- 0.05)	BDL (D.L - 0.05)	BDL (D.L - 0.05)	0.3

All the values were found to be within permissible limits

Surface Water Analysis Results

Parameter	SW1	SW2	Surface water standards (IS 2296 Class-A)
Odour	AGREEABLE	AGREEABLE	Agreeable
Turbidity	<1	<1	1
pH at 25 °C	7.92	7.86	6.5- 8.5
Electrical Conductivity	231	196	-
Total Dissolved Solids	140	118	500
Total hardness as CaCO ₃	82.7	77	-
Calcium as Ca	16.8	16.0	300
Magnesium as Mg	9.7	8.8	-
Calcium as CaCO ₃	42.1	39.9	-
Magnesium as CaCO ₃	40.6	36.6	-
Total alkalinity as CaCO ₃	44.9	37.6	-
Chloride as Cl ⁻	32.4	35.7	-
Free Residual chlorine as Cl ⁻	BDL (D.L - 0.2)	BDL(D.L-0.2)	250
Sulphates as SO ₄ ²⁻	14.8	15.9	0.2
Iron as Fe	BDL(D.L - 0.01)	BDL(D.L - 0.01)	400

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Nitrate as NO ₃	BDL(DL-1.0)	1.65	0.3
Fluoride as F	0.25	0.19	20
Manganese as Mn	BDL (D.L - 0.05)	BDL(D.L-0.05)	1.56
COD	BDL(DL-4.0)	BDL(DL-4.0)	0.1
BOD	BDL(DL-2.0)	BDL(DL-2.0)	-
TSS	BDL(DL-2.0)	BDL(DL-2.0)	2
DO	6.2	6.1	6

1.9 NOISE ENVIRONMENT

Noise levels were measured in 6 locations and the results are given below.

Monitoring Location	N1	N2	N3	N4	N5	N6	N7
DAY EQUIVALENT	50.8	46.5	46.7	47.8	49.0	50.3	46.2
NIGHT EQUIVALENT	43.8	38.9	38.7	40.2	39.3	39.9	38.2
DAY & NIGHT EQUIVALENT	49.5	45.1	45.3	46.4	47.4	48.8	44.8
Limits as per MoEFCC							
Day equivalent - 55 dB (A); Night equivalent - 45 dB (A); Work zone Exposure in 8 hr - 90 dB (A)							

1.10 SOIL ENVIRONMENT

Soil samples are collected from 6 locations and the results are given below.

PARAMETER	S1	S2	S3	S4	S3	S5	S6	S7
pH	7.82	6.59	6.84	6.69	6.82	6.57	6.96	6.74
EC	99.55	72.64	151.4	86.59	162.7	85.92	92.47	102.4
Dry Content	91.32	94.25	93.22	95.47	94.12	96.56	93.42	94.58
Water Content	8.68	5.75	6.78	4.53	5.88	3.44	6.58	5.42
Organic Matter	0.72	1.32	1.12	0.84	1.12	0.96	1.39	1.02
Total Soluble Sulphate	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)	BDL(D .L.0.0 2)
Phosphorus	1.05	1.65	2.11	1.37	1.76	1.92	1.41	1.56
Texture	SILT LOAM	silty clay	silty clay loam	silt loam	silty clay loam	silt loam	loam	silt loam
Sand	26.45	8.91	13.53	24.73	13.63	29.12	33.46	29.51
Silt	58.99	47.45	47.48	68.35	48.12	53.11	49.22	52.48
Clay	14.56	43.64	38.99	6.92	38.25	17.77	17.32	18.01
Nitrogen & Nitrogenous	352	265	286	632	312	226	445	230

Compound s								
Sodium	780	420	1045	589	1070	364	412	355
Potassium	530	660	890	789	872	702	614	726
Water Holding Capacity	40	39	41	42	44	42	40	40
Porosity	18.5	18.6	19.5	18.2	19.1	19.5	19.6	18.9

1.11 BIOLOGICAL ENVIRONMENT

FLORA

For measuring the extent of flora present in the study area, the area is divided in to 4 quadrants. The flora population in each quadrant is summed up for the total population in the study area. Field survey is done. Erukku, Aavarai and Nayuruvi are found in lease area. In the buffer zone, common trees like Neem, papaya, mango, teak, etc and shrubs like Avarai, Aloe vera, etc, climbers like Kovai, jasmine etc are found.

FAUNA

In the study area, commonly found animals like dogs, cats, bush rat, cows, birds like crow, Myna, Sparrow, etc were found.

1.12 LAND USE

The land use land cover data is found using the LANDSAT – 9 satellite imagery. The number of bands used are 11. The land use pattern is given below:

Major Land Use Units of the Study Area in Percentage

Sl.No.	LAND USE / LAND COVER	Area in Sq.Km	Area in Percentage
1	Built-up land	8.04	2.52
2	Crop land	115.49	36.03
3	Fallow land	29.89	9.31
4	Land with scrub	48.17	15.01
5	Land without scrub	43.21	13.47
6	Hill & Forest	36.02	11.22

7	Plantations	13.41	4.18
8	Existing Quarry	2.46	0.76
9	Water bodies	24.09	7.50
Total Area		320.78	100.00

1.13 SOCIO ECONOMIC ENVIRONMENT

The socio economic environment of the study area is studied by conducting primary sites through site visits and conducting sample surveys. The secondary data obtained from Census 2011 is also used.

The following data area collected from secondary data.

- Demographic pattern.
- Health pattern
- Occupational structure.
- Amenities available.

The expert visited more than 5 villages in the study area namely Subbulapuram, Vinaranganthapuram, Jakkampatti, Andipatti, Rajagopalanpatti, Shanmugasundarapuram, Gullapuram, Thimmarasanaickanur Bit-2 Village. Discussions were held with the people from nearby locality to study the social and economic conditions prevailing in the area. The expert also visited nearby hospitals, primary health centres and Tharuvai. The following observations were made.

Primary and higher secondary schools are available in many villages. For hospital facilities, people in the locality have to go to hospital within 5 km from the project site.

1.14 HYDROGEOLOGY AREA

The important rivers in the district are Periyar and Vaigai. These rivers are contiguous by the natural formation of the several hills and valleys. Other important rivers are Kottagudi river in Bodinayakanur Block, Manjalar in Periyakulam Block and Shanmuganathi in Uthamapalayam taluk, all originates from western ghats. The area is studded with few tanks that serve as the source for agriculture and also their

surplus feeds adjoining tanks. The quarrying activity will not intersect ground water table as quarrying is proposed upto a depth of 35 m BGL.

There are few tanks located in the study area, which are mostly dry throughout the year. These tanks get water only during monsoons. The factors may be monsoon failure, insufficient rainfall, poor rain water management and water consuming patterns.

1.15 GROUND WATER STUDY

For Ground water study, satellite imagery is used. Water levels from monitoring levels are collected through imaging. The pre-monsoon and post-monsoon data are collected and the results are analyzed.

As far as the mining lease area is considered, the area is rocky and no major seepage is envisaged. The production quantity is very less and the depth proposed is 35 m BGL. Hence, there will not be any major impact due to mining on water levels or ground water levels in the area.

ANTICIPATED ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

Environmental impacts on the following environments are identified.

- Land environment
- Water environment
- Vegetation
- Fauna
- Air environment
- Noise environment
- Socio-economic impacts

1.16 LAND ENVIRONMENT: IMPACT AND MITIGATION MEASURES

The major impact due to this project on land environment is the change in land use. Since this quarry is a small one and the production is less, mining activity will be carried out upto 35 m BGL. Other than quarrying of minerals, no other change will

be done since there is no dumping. To prevent soil erosion during monsoon season, garland drain will be constructed with silt traps. At the mine closure stage, 1.93.0 Ha of lease area will be left as rain water harvesting pond. 0.55.0 Ha will be developed with green belt. For this, plants like Pongamia pinnata, Syzigium cumini, Albizia lebbeck, Thespesia populnea, Bauhinia racemose, Cassia siamea, Azadirachta indica are selected. A total of 550 trees are planned to be planted. Spacing will be 3m x 3m.

1.17 WATER ENVIRONMENT: IMPACT AND MITIGATION MEASURES

The important rivers in the district are Periyar and Vaigai. These rivers are contiguous by the natural formation of the several hills and valleys. Other important rivers are Kottagudi river in Bodinayakanur Block, Manjalar in Periyakulam Block and Shanmuganathi in Uthamapalayam taluk, all originates from western ghats. The area is studded with few tanks that serve as the source for agriculture and also their surplus feeds adjoining tanks. The rainfall over the area is moderate, the rainwater storage in open wells, trenches is in practice over the area and the stored water acts as source of freshwater.

Since the mining operation will be limited upto depth of 35 m (BGL), there will not be any seepage. However, the rain water percolation and collection of water from seepage shall be less than 300 lpm and it shall be pumped out periodically by a stand by diesel powered Centrifugal pump motivated with 7.5 HP Motor. The quality of water is expected to be potable. Hence, water stored in the quarry pit will be pumped into the adjacent agricultural fields. Further the water can also be used for plantation purposes

The major water bodies found in the buffer zone are Canal (58) – 42 m (N) (10m Safety distance is provided) , Odai- 92 m (SW), 162 m (NE), 369 m (SE), Vaigai River – 1.6 km (N), Periyar Main Canal – 1.9 km (N), Mavuttu Odai – 3.1 km (NW), Varaha River – 4.3 km (N), Vaigai Dam – 6.1 km (NW).

Since these water bodies are located outside the area and there is no discharge of effluent or any untreated water from the mines will be made in to these water bodies, there is no major impact. The proponent will restrict the mining operation only within the lease and no other work will be carried out near the water bodies or any area outside the lease.

It is planned to carryout appropriate rainwater harvesting schemes and artificial recharge schemes in the area.

- Rain water falling in the quarry will be collected efficiently through garland drains.
- Water thus collected will be passed through collection tank with silt traps. This water can be used by the proponent for water sprinkling and for green belt purposes.
- Excess water after desiltation will be provided to downstream users, if any

1.18 BIOLOGICAL ENVIRONMENT: IMPACT AND MITIGATION MEASURES

Impacts

- Fauna is affected due to noise and vibration.
- Dust generation due to mining activities
- Change in land use of the lease area
- Accidental falling of animals

Mitigation measures

- Sirens will be blown before blasting in the mines. To reduce noise levels, plantation will be done. Blasting will be carried out only in the allotted time.
- To reduce dust generation, mist sprayers will be used. During transportation, the material will be covered with tarpaulin. Water sprinkling will be done to reduce generation of pollutants
- After the mine closure stage, the mine pit will be left as rain water collecting tank, which can attract bird population in the nearby areas.
- To prevent entry of animals, the mining area will be properly fenced.

1.19 AIR ENVIRONMENT: IMPACT AND MITIGATION MEASURES

The major air pollutants due to mining operations are fugitive emissions like PM₁₀, PM_{2.5}. Other than these pollutants, gaseous emissions of sulfur dioxide (SO₂) and oxides of nitrogen (NO_x) due to excavation/loading equipment and vehicles plying on haul roads are the cause of air pollution in the project area.

The major impacts are Dust emission due to drilling, blasting and transportation. The major mitigation measures include Using Wet drilling methods, Allowing drilling only with PPE, Carrying out blasting only during specified times, Avoiding blasting during unfavourable weather conditions, Using explosives of good quality, Using mist sprayers Regular wetting of transport, Covering the materials carried in tippers with tarpaulin, Proper maintenance of vehicles used for transportation, Conducting regular emission tests for vehicles used for transport Development of greenbelt is proposed in the safety zone of 7.5m barriers in the government area.

The anticipated data is calculated using AERMOD software and the projected values are found to be within limits.

1.20 NOISE ENVIRONMENT: IMPACT AND MITIGATION MEASURES

Impacts

- ✚ Noise generation in mining is due to operation like drilling, blasting and transportation of minerals within and outside the lease area.
- ✚ As per DGMS (Directorate General of Mines Safety) and OSHA (Occupational Safety and Health Administration) limits, the acceptable noise level is 90 dB(A) for an exposure period of 8 hours.
- ✚ Exposure to loud noise can also cause high blood pressure, heart disease, sleep disturbances, and stress. Noise pollution also impacts the health and well-being of wildlife.
- ✚ Noise exceeding prescribed limits may cause impairment like abnormal loudness perception, tinnitus, which causes a persistent high-pitched ringing in the ears, paracusis or distorted hearing.

Mitigation measures

- ✚ As the distance between the source and receptor increases, the noise level also decreases. Hence, there will be a natural attenuation
- ✚ The proposed has planned to develop green belt in the periphery of the lease area, which diminishes sound volume by dampening them.
- ✚ All the equipment/machinery/trucks involved will be properly maintained to control noise generation
- ✚ Conducting regular health checkups for employees involved
- ✚ Employees will be made to work on shifts to reduce their exposure time
- ✚ Providing earplugs to all employees

By adopting these measures, the noise levels will be maintained well within MoEFCC limits since the baseline value is low.

VIBRATION: IMPACT AND MITIGATION MEASURES

Impacts

- ✚ Though vibration will be only felt by the people working inside the lease area, it is usually undesired.
- ✚ Vibration may also cause flyrocks
- ✚ It may frighten the birds and small insects in the lease area. However, it will be felt only for a short period

Mitigation measures

- ✚ Carrying out blasting on limited scale, only from 12:00 PM to 2:00 PM
- ✚ Control of fly rock and vibration by maintaining peak particle velocity with in standard as prescribed by the DGMS and MOEF & CC.
- ✚ Shallow depths jackhammer drilling and blasting is proposed to be carried out with minimum use of explosive
- ✚ Supervising blasting by competent and statutory foreman/ mines manager

1.21 SOCIO ECONOMIC ENVIRONMENT

Impact and Mitigation measures

No land is acquired from anyone. No rehabilitation is needed. Hence, there is no negative impact. The proponent has planned to spend INR 3,00,000 for CER activities. This amount will be subjected to change after public hearing.

1.22 OCCUPATIONAL HEALTH

Impacts

Dust generation due to drilling and blasting, Noise generation due to drilling and blasting, unexpected accidents. Continuous exposure to dust causes Pneumonia, Tuberculosis, Rhematic arthritis and Segmental Vibration, Short term impact will be lack of sleep, high blood pressure and heart ailments. Long term exposure may lead to partial or permanent deafness, Risks include fly rocks, cracks or fissures due to improper mining methods.

Mitigation measures

- Using dust suppression measures like water spraying on roads to reduce rise of air pollutants
- Providing green belt for air pollutant and noise attenuation
- Ensuring slope stability
- Employing only trained professionals for blasting
- Conducting Pre-Medical Examination for employees before inducting
- Conducting periodical Medical Examination once in 6 months.
- Making all first aid kits available in mines office
- Keeping fire extinguisher in place
- Educating the employees about how to handle unexpected happenings
- Posting information containing emergency contact numbers in mines office

- By adopting all these measures, the safety of the employees working in the quarry will be ensured.

1.23 ENVIRONMENTAL MONITORING PROGRAMME

Monitoring is done to measure the efficiency of control measures implemented. Regular monitoring of various environmental parameters like air, water, noise and soil environments is needed to assess the status of environment during the project operation. A schedule is framed with timeline to monitor various parameters during the operation of the project. To evaluate the effectiveness of environmental management programme, regular monitoring of the important environmental parameters will be taken up. Air monitoring will be carried out once in 3 months, water sample will be collected once in a season, noise will be monitored once in 3 months, soil samples will be analyzed once per season. For EMP, a budget of INR 25.26 (5 years) Lakhs is allocated.

1.24 PROJECT BENEFITS

Financial benefits

- This project will contribute financially through payment of taxes like royalty, GST, etc.,
- The project will also contribute via CSR.
- The demands of people during public hearing will also be considered by the project proponent

Social benefits

- This project provides employment to 20 people directly. Local people will be hired for unskilled labour.
- Through CSR, nearby schools, hospitals will be benefitted.
- For CSR, INR 3,00,000 is allocated.
- Based on the demand of the people during public hearing, further funds will

be allocated, if necessary.

- Various aspects of mining activities were considered and related impacts were evaluated. Considering all the possible ways to mitigate the environmental concerns Environmental Management Plan was prepared and 25.26 lakhs for the five years has been allocated as EMP cost. The EMP is dynamic, flexible and subjected to periodic review. For project where the major environmental impacts are associated, EMP will be under regular review. Thus, the proper steps will be taken to accomplish all the goals mentioned in the EMP and the project will bring the positive impact in the study area.



ANNEXURE-1

அனுப்புநர்
மாவட்ட ஆட்சித்தலைவர்,
தேனி.

பெறுநர்:
திருமதி.த.தவமணி, தலைவி,
தி/ள்.வண்ணாத்திபாறை நாகம்மாள்
கல்லுடைக்கும் மகளிர் சங்கம்,
(பதிவு எண்.62/2021),
தெற்கு தெரு, இராஜகோபாலன்பட்டி,
ஆண்டிபட்டி வட்டம்,
தேனி மாவட்டம்.625536..



ந.க.எண்.103/கனிமம்/2024, நாள்:09.12.2024.

பொருள்: கனிமங்களும், குவாரிகளும் - சிறுவகைக் கனிமம் - உடைகல் -
தேனி மாவட்டம் - ஆண்டிபட்டி வட்டம் - திம்மரசநாயக்கனூர்
பிட்-2 கிராமம் - அரசு புறம்போக்கு புல எண்.1619 (பகுதி) -
விஸ்தீரணம் 2.50.0 ஹெக்டேர் பரப்பில்
தி/ள்.வண்ணாத்திபாறை நாகம்மாள் கல்லுடைக்கும் மகளிர்
சங்கம் விண்ணப்பித்தது - முன்னுரிமை அடிப்படையில் நேரடி
கற்குவாரி குத்தகை உரிமம் வழங்க சிறப்பு குழுவால் தேர்வு
செய்யப்பட்டது - குத்தகை தொகையினை உறுதி செய்து -
முதல் தவணை குத்தகை தொகையை செலுத்தப்பட்டது -
ஏற்பளிக்கப்பட்ட சுரங்க திட்டம் மற்றும் சுற்றுச்சூழல் தாக்க
மதிப்பீட்டு ஆணையத்தின் ஒப்புதல் பெற்று சமர்ப்பிக்க கோருதல்
- தொடர்பாக.

- பார்வை:
1. வருவாய் கோட்டாட்சியர், பெரியகுளம் கடிதம்
ந.க.எண்.6973/2023/அ6, நாள்:17.11.2023..
 2. மாவட்ட வன அலுவலர், தேனி, தேனி வனக்கோட்டம்,
தேனி. கடிதம் எண்.12122/2023/டி, நாள்:05.01.2024.
 3. தேனி மாவட்ட அரசிதழ் சிறப்பு வெளியீடு எண்.3,
நாள்:19.01.2024.
 4. திருமதி.த.தவமணி,தலைவி, தி/ள்.வண்ணாத்திபாறை
நாகம்மாள் கல்லுடைக்கும் மகளிர் சங்கம், (பதிவு
எண்.62/2021), தெற்கு தெரு, இராஜகோபாலன்பட்டி,
ஆண்டிபட்டி வட்டம், தேனி மாவட்டம். விண்ணப்பம்
நாள்:07.02.2024.
 5. சிறப்புக்குழு (Special Committee) கூட்ட அறிக்கை
நாள்.12.07.2024.
 6. குறிப்பாணை ந.க.எண்.103/கனிமம்/2024,
நாள்:05.09.2024.

பார்வை 1 மற்றும் 2-ல் காணும் பரிந்துரை அறிக்கையின்படி, பார்வை 3-ல்
காணும் தேனி மாவட்ட அரசிதழ் சிறப்பு வெளியீடு எண்.3,
நாள்:19.01.2024-ல் தேனி மாவட்டம், ஆண்டிபட்டி வட்டம், திம்மரசநாயக்கனூர் பிட்-2

T. திவமணி



கிராமம், அரசு புறம்போக்கு புல எண்.1619 (பகுதி) விஸ்தீரணம் 2.50.0 ஹெக்டேர் பரப்பில் மகளிர் சங்கங்களுக்கு நேரடி குவாரி குத்தகை உரிமம் வழங்க விண்ணப்பங்கள் வரவேற்கப்பட்டது. அதனை தொடர்ந்து, பார்வை 4-ல் காணும் தி/ள்.வண்ணாத்திபாறை நாகம்மாள் கல்லுடைக்கும் மகளிர் சங்கமானது தேனி மாவட்டம், ஆண்டிபட்டி வட்டம், திம்மரசநாயக்கனூர் பிட்-2 கிராமம், அரசு புறம்போக்கு புல எண்.1619 (பகுதி) விஸ்தீரணம் 2.50.0 ஹெக்டேர் பரப்பு கல்குவாரிக்கு விண்ணப்பம் செய்தது.

பார்வை 5-ல் காணும், மாவட்ட ஆட்சித்தலைவர் அவர்களின் தலைமையில் அமைக்கப்பட்ட சிறப்புக்குழுவானது, தேனி மாவட்டம், ஆண்டிபட்டி வட்டம், திம்மரசநாயக்கனூர் பிட்-2 கிராமம், அரசு புறம்போக்கு புல எண்.1619 (பகுதி) விஸ்தீரணம் 2.50.0 ஹெக்டேர் பரப்பில் உடைகல் குவாரிப்பணி செய்ய தி/ள்.வண்ணாத்திபாறை நாகம்மாள் கல்லுடைக்கும் மகளிர் சங்கத்தினருக்கு 5 (ஐந்து) ஆண்டுகளுக்கு கற்குவாரி குத்தகை உரிமம் வழங்க பரிந்துரை செய்யப்பட்டது.

அதனை, தொடர்ந்து, பார்வை 6-ல் காணும் குறிப்பாணையில், தமிழ்நாடு சிறுகனிம சலுகை விதிகள், 1959, விதி எண்.8 (10-A) (C)-ன்படி 50% குத்தகை தொகை ரூ.33,00,000/-ஐ நான்கு சம தவணைகளில் முதல் தவணை குத்தகைத் தொகை ரூ.8,25,000/-ஐ செலுத்தி அசல் சலாணை சமர்ப்பிக்குமாறு கேட்டுக்கொள்ளப்பட்டது. அதன் பின்னர், மேற்படி சங்கத்தினர் முதல் தவணைத் தொகை ரூ.8,25,000/-யினை சலான் எண்.20240916011382, நாள்:20.09.2024-ன்படி செலுத்தி சமர்ப்பித்துள்ளனர்.

எனவே, வருவாய் கோட்டாட்சியர், பெரியகுளம், மாவட்ட வன அலுவலர், தேனி மற்றும் சிறப்பு குழுவின் பரிந்துரை அறிக்கையின் அடிப்படையில், விண்ணப்பதாரர் தி/ள்.வண்ணாத்திபாறை நாகம்மாள் கல்லுடைக்கும் மகளிர் சங்கத்தினருக்கு தேனி மாவட்டம், ஆண்டிபட்டி வட்டம், திம்மரசநாயக்கனூர் பிட்-2 கிராமம், அரசு புறம்போக்கு புல எண்.1619 (பகுதி) விஸ்தீரணம் 2.50.0 ஹெக்டேர் சாதாரண உடைகற்கள் வெட்டியெடுத்து குவாரிப்பணி செய்ய தமிழ்நாடு சிறுகனிம சலுகை விதிகள் 1959-ம் விதி 8 (10-A) (b) (iii)-ன்படி 5 (ஐந்து) ஆண்டுகளுக்கு கற்குவாரி உரிமம் வழங்குவதற்குரிய தகுதியான நிலப்பரப்பாக கருதி குவாரி உரிமம் வழங்க ஏதுவாக 1959-ம் வருடத்திய தமிழ்நாடு சிறுகனிம விதிகள், விதி எண்.41-ன்படி ஏற்பளிக்கப்பட்ட சுரங்கத் திட்டத்தினை 90 தினங்களுக்குள்ளும் அதனை தொடர்ந்து, 1959-ம் வருடத்திய தமிழ்நாடு சிறுகனிம விதிகள், விதி எண்.42-ன்படி மாநில கற்றுச்சுழல் தாக்க மதிப்பீட்டு ஆணையத்தின் இசைவினையும் பெற்று சமர்ப்பிக்க வேண்டும்.

T. சுவாமி



நிபந்தனைகள்:

- அருகிலுள்ள பட்டா நிலங்களுக்கு 7.5 மீட்டரும், அரசு புறம்போக்கு நிலங்களுக்கு 10 மீட்டரும் பாதுகாப்பு இடைவெளி விட்டு குவாரிப் பணி மேற்கொள்ள வேண்டும்.
- அருகிலுள்ள பட்டாதாரர்களுக்கு எவ்வித இடையூறுமின்றி / அருகிலுள்ள பட்டா மற்றும் அரசு புலங்களில் எவ்வித ஆக்கிரமிப்பும் இன்றி குவாரிப் பணி மேற்கொள்ள வேண்டும்.
- கற்குவாரி குத்தகை உரிமம் பெறுவதற்கு முன்பாக ஆணையர், புவியியல் மற்றும் சுரங்கத்துறை, சென்னை அவர்களின் கடிதம் ந.க.எண்.2921/எம்.எம்.4/2016, நாள்:09.03.2021-ல் தெரிவிக்கப்பட்டுள்ளவாறு குத்தகைதாரர் குவாரிப்பணி தொடங்குவதற்கு முன்னர் உரிமம் வழங்கப்பட்ட எல்லைகளை DGPS முறையில் அளவீடு செய்து குறுந்தட்டில் பதிவு செய்து அறிக்கையாக சமர்ப்பிக்க வேண்டும்.

ஒம். (XXXXXXXXXXXXXX)

மாவட்ட ஆட்சித்தலைவர்,
தேனி.

/உ.ந.உ.ப./

மாவட்ட ஆட்சித்தலைவருக்காக,
தேனி.


09/12/2024

T. சிவசுப்பிரமணியன்



ANNEXURE-2

From
Thiru.S.Krishna Mohan,
Assistant Director,
Dept.of Geology and Mining,
Theni.

To,
Tvl.Vannathiparai Nagammal
Kalludaikum Magalir Sangam
(Reg.No.62/2021),
President:Tmt.T.Thavamani,
South Street, Rajagopalanpatti,
Andipatty, Theni District.

Roc. No.103/Mines/2024, dated. 02.04.2025

Sir,

Sub: Mines and Minerals - Minor Mineral - Rough Stone -
Theni District - Andipatty Taluk -
Thimmarasanayakkanur Bit-2 Village - Govt.
Poramboke Land - in S.F. Nos. 1619 (Part) - Over an
extent of 2.50.00 Hects - Quarry lease application
preferred by Tvl.Vannathiparai Nagammal
Kalludaikum Magalir Sangam (Reg.No.62/2021),
President:Tmt.T.Thavamani - Precise area
communicated -Draft Mining Plan submitted -
Approval accorded -Regarding.

- Ref:
1. Theni District Gazette Extraordinary Notification,
No.3, dated:09.01.2024.
 2. Quarry lease application preferred by
Tvl.Vannathiparai Nagammal Kalludaikum
Magalir Sangam (Reg.No.62/2021),
President:Tmt.T.Thavamani, South Street,
Rajagopalanpatti, Andipatty, Theni District,
application dated.07.02.2024.
 3. Special Committee Report, daetd:12.07.2024.
 4. District Collector, Theni Precise area
communication letter Roc No.
Rc.No.103/Mines/2023, Dated:09.12.2024.
 5. Mining Plan dated Nil received on 11.02.2025
from Tvl.Vannathiparai Nagammal Kalludaikum
Magalir Sangam (Reg.No.62/2021).

In the reference 1st cited, the District Gazette
Extraordinary Notification No.3, dated.09.01.2024 was issued by the
District Collector for inviting application from the SGSY Groups
registered under the Tamil Nadu Co-operative Act, 1983 or under
Societies Act, 1975 and Societies formed by the released bonded
laborers under rule 8(10)(A) of Tamil Nadu Minor Mineral Concession
Rules, 1959 for direct grant of quarry lease for quarrying rough stone
in Government poramboke land.

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2) Based on the Gazette notification, the applicant Tvl.Vannathiparai Nagammal Kalludaikum Magalir Sangam (Reg.No.62/2021) submitted an application on 07.02.2024 with a request to grant of rough stone quarry lease in Government poramboke land in S.F.No.1619 (Part), over an extent of 2.50.00 Hects of Thimmarasanayakkanur Bit-2 Village, Andipatty Taluk for a period of five years under rule 8(10-A) of Tamil Nadu Minor Mineral Concession Rules, 1959.

3) After examining the application, the special committee has furnish its recommendation to the District Collector to grant of quarry lease to applicant Tvl.Vannathiparai Nagammal Kalludaikum Magalir Sangam (Reg.No.62/2021) to quarry rough stone in S.F.No.1619 (Part), over an extent of 2.50.00 Hects of Thimmarasanayakkanur Bit-2 Village, Andipatty Taluk for a period of five years.

4) Based on the recommendation of the Special Committee vide letter 3rd cited, the precise area was communicated by the District Collector vide reference 4th cited to applicant Tvl.Vannathiparai Nagammal Kalludaikum Magalir Sangam (Reg.No.62/2021) with a direction to submit the mining plan before the SEIAA Clearance with in stipulated time to obtain SEIAA Clearance for grant of rough stone quarry lease in S.F.No.1619 (Part), over an extent of 2.50.00 Hects of Thimmarasanayakkanur Bit-2 Village, Andipatty Taluk and Theni District.

5) In response to the precise area communicated, the applicant has submitted three copies of draft Mining Plan duly prepared by a Qualified Person and requested for approval of the same vide reference 5th cited.

6) The draft Mining Plan submitted by the applicant has been examined in detail. The applicant has proposed to production of 2,38,149 cbm of Rough stone up to a depth of 35 meters from the surface level for a period of 5 years. All the conditions stipulated in the precise area communicated have been incorporated in the Mining Plan.

7) In exercise of the powers vested under sub rule (2) and (5) of Rule 41 of Tamil Nadu Minor Mineral Concession Rules, 1959, I hereby approve the mining plan subject to the following conditions:-

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- i. The mining plan is approved without prejudice to any other order or direction from any court of contempt jurisdiction.
- ii. The mining plan is approved without prejudice to any other Law applicable to the quarry lease from time to time whether such laws are made by the Central Government, State Government or any other authority.
- iii. The approval of the mining plan does not in any way imply the approval of the Government in terms of any other provisions of the Mines and Minerals (Development and Regulation) Act 1957, or any other connected laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 1981, Environment Protection Act, 1980, Indian Explosives Act, 1884 (Central Act IV of 1884) and the Rules made there under and the Tamil Nadu Minor Mineral Concession Rules, 1959.
- iv. The applicant is entitled for production of 2,38,149 cbm of Rough stone for a period of 5 years as per Mining plan.
- v. Quarrying operations should be carried out in accordance with the Approved Mining Plan.
- vi. A safety distance of 7.5 meters should be provided to the adjoining patta lands.
- vii. A safety distance of 10 meters should be provided to the adjoining Government poramboke lands.
- viii. No hindrance shall be caused to the adjacent pattadars lands, Government poramboke odai and public while carrying out quarrying operations.
- ix. Environmental Clearance should be obtained from the State Level Environment Impact Assessment Authority, Chennai.

8) As directed by the District Collector, Theni in the reference 4th cited, you are hereby requested to produce Environmental Clearance obtained from the State Level Environment Impact Assessment Authority (SEIAA), Chennai as applicable under Rule 42 of Tamil Nadu Minor Mineral Concession Rules, 1959 for grant of quarry lease, in respect of the precise area communicated.

Encl: Approved Mining plan.

Chandrasekhar
Assistant Director,
Dept. of Geology and Mining,
Theni.

T. S. S. S.



ANNEXURE-3

From

Assistant Director,
Geology and Mining,
Theni.

To

The Chairman,
State level Environment
Impact Assessment Authority,
3rd floor, Panagal Maligai,
No.1, Jeenis Road,
Saidapet, Chennai.

Roc. No.103/Mines/2023, dated.22.05.2025

sir,

Sub: Mines and Minerals - Minor Mineral - Rough Stone -
Theni District - Andipatty Taluk -
Thimmarasanayakkanur Bit-2 Village - Govt. Poramboke
Land - in S.F. Nos.1619 (Part) - Over an extent of 2.50.00
Hects - Quarry lease application preferred by
Tvl.Vannathiparai Nagammal Kalludaikum Magalir
Sangam (Reg.No.62/2021), President:Tmt.T.Thavamani -
Precise area communicated - Draft Mining Plan
submitted - Precise area communicated - Draft Mining
Plan submitted - Approval accorded - 500 meter radius
quarry details -Requested - Regarding..

- Ref:
1. Theni District Gazette Extraordinary Notification,
No.3, dated:09.01.2024.
 2. Quarry lease application preferred by
Tvl.Vannathiparai Nagammal Kalludaikum
Magalir Sangam (Reg.No.62/2021),
President:Tmt.T.Thavamani, South Street,
Rajagopalanpatti, Andipatty, Theni District,
application dated.07.02.2024.
 3. Special Committee Report, daetd:12.07.2024.
 4. District Collector, Theni Precise area
communication letter Roc No.
Rc.No.103/Mines/2023, Dated:09.12.2024.
 5. Mining Plan dated Nil received on 11.02.2025 from
Tvl.Vannathiparai Nagammal Kalludaikum Magalir
Sangam (Reg.No.62/2021).

In the reference 1st cited, Tvl.Vannathiparai Nagammal
Kalludaikum Magalir Sangam (Reg.No.62/2021),
President:Tmt.T.Thavamani has preferred an application for the grant of
quarry lease to quarry Rough Stone in S.F.Nos.1619 (Part) over an extent
of 2.50.00 Hects of Thimmarasanayakkanur Bit-2 Village, Andipatty Taluk
under Rule 19 of Tamil Nadu Minor Mineral Concession Rules, 1959.

Based on reports and recommendations of the Revenue Divisional Officer, Periyakulam and Assistant Director, Department of Geology and Mining, Theni precise area was communicated by the Assistant Director to Tvl.Vannathiparai Nagammal Kalludaikum Magalir Sangam (Reg.No.62/2021) with a direction to submit the draft mining plan as stipulated in rule 41 of Tamil Nadu Minor Mineral Concession Rules, 1959.

Accordingly, Tvl.Vannathiparai Nagammal Kalludaikum Magalir Sangam (Reg.No.62/2021), President:Tmt.T.Thavamani has submitted the draft Mining Plan and the same has been approved on 02.04.2025. In this connection the applicant has requested to furnish the details of quarry lease situated within 500 mts radius from the subject quarry for obtaining Environmental Clearance from the State Level Environment Impact Assessment Authority.

In this connection it is informed that the following existing and abandoned quarries are located within 500 mts radius distance from the proposed area for clearance.

A. Existing Quarries

S. No.	Name of the owner	Village and Taluk	S.F. No.	Extent (in Hects)	Collector's / Assistant Director, (Mines) Proc No.& Date.	Lease Period
1.	R.Murugan, S/o.Rengasamy, North Street, T.Rajagopalanpatti, Andipatty Taluk, Theni District.	Thimmaras anayakkanur Bit-2 - Andipatty	1613/2B, 1613/2C	0.68.00	District Collector Proceedings Roc.No. 213/Mines/2018, dated :27.05.2020	27.05.2020 to 26.05.2025

B. Abandoned/Expired Quarries

S. No.	Name of the owner	Village and Taluk	S.F. No.	Extent (in Hects)	Collector's Proc No.& Date.	Lease Period
1.	-Nil-					

C. Present Proposed Quarries

S. No.	Name of the owner	Village and Taluk	S.F.No.	Extent (in Hects)
1.	Tvl.Vannathiparai Nagammal Kalludaikum Magalir Sangam (Reg.No.62/2021), President:Tmt.T.Thavamani, No.2, North Street, Rajagopalanpati, Thimmarasanayakkanur Village, Andipatty Taluk, Theni District	Thimmarasanayakkanur Bit-2 Village - Andipatty Taluk	1619 (Part)	2.50.00 Hects.
2.	Tvl.Vannathiparai Kalieswari Kalludaikum Magalir Sangam (Reg.No.61/2021), President:Tmt.M.Parimala, No.2, North Street, Rajagopalanpati, Thimmarasanayakkanur Village, Andipatty Taluk, Theni District	Thimmarasanayakkanur Bit-2 Village - Andipatty Taluk	1432 (Part)	1.60.00 Hects.
2.	R.Murugan, S/o.Rengasamy, North Street, T.Rajagopalanpatti, Andipatty Taluk, Theni District.	Thimmarasanayakkanur Bit-2 Village - Andipatty Taluk	1613/3C2, 1655/2	1.17.50 Hects.

Assistant Director,
Geology and Mining,
Theni.

[Signature]
22.05/2022