EXECUTIVE SUMMARY FOR PROPOSED ROUGH STONE AND GRAVEL QUARRY
CATEGORY – B1

(Public Hearing Upgraded after Terms of Reference (ToR) as per the provisions of EIA Notification 2006 & amendments thereof)

ToR Identification No. TO25B0108TN5219111N (F. No. 12205), dated 16.07.2025

PROPOSED QUARRY LEASE DETAILS	
SURVEY NOS	511/1, 511/2 & 512/2
VILLAGE	KUPPAM
TALUK	PUGALUR
DISTRICT	KARUR
EXTENT	3.45.53 ha
CLUSTER EXTENT	7.91.53 ha
MINEABLE RESERVES (upto 62m BGL)	ROUGH STONE: 720246 Cu.m GRAVEL: 18264 Cu.m
PROPOSED PRODUCTION QUANTITY FOR FIRST FIVE YEARS (upto 62m BGL)	ROUGH STONE: 720246 Cu.m GRAVEL: 18264 Cu.m
LAND	PATTA LAND

(Sector No. 1(a) Sector No.1 as per NABET)
Category of the Project: B1 Cluster Mining, Total Cluster Area – 7.91.53 Ha
Baseline Monitoring Period – March 2025 to May 2025

APPLICANT

Tvl. Mahaganapathi Blue Metal,
Survey No.510/1, Arasampalayam,
Kuppam Post, Pugalur Taluk,
Karur District

ENVIRONMENTAL CONSULTANT	LABORATORY
M/s. GLOBAL MINING SOLUTIONS *(NABET Accredited & ISO 9001 Certified Consultant)* 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 up to: 04.01.2026* Contact: 97502 23535 & 94446 54520 Email: infoglobalmining@gmail.com, globalminingsolutionssalem@gmail.com	**M/s. SHRIENT ANALYTICAL & RESEARCH LABS PRIVATE LIMITED** *(NABL Accredited Testing Laboratory)* *Valid up to: 29.09.2025* #416/15, Dhargas Road, Perungalathur, West Tambaram, Chennai, Tamil Nadu, India.

SEPTEMBER - 2025

EXECUTIVE SUMMARY

1.1 OVER ALL JUSTIFICATION FOR IMPLEMENTATION OF THE PROJECT INTRODUCTION

Tvl. Mahaganapathi Blue Metal, has obtained Precise Area communication letter from the Assistant Director, Department of Geology and Mining, Karur to quarry out 1980676.5 Ts of Rough Stone and 36528 Ts of Gravel up to 62 BGL located at the S.F. No. 511/1, 511/2 and 512/2 in Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu State.

As per EIA notification, 2006 and its subsequent amendments the proposed "Rough Stone and Gravel Quarry of Tvl. Mahaganapathi Blue Metal mines cluster falls under Schedule 1(a) of EIA Notification and its subsequent amendments the project comes under Category B1. The ToR for preparation of EIA/EMP report of the project was approved vide ToR Identification No. TO25B0108TN5219111N, dated 16/07/2025. This report has been prepared in line with the approved TOR for production of maximum excavation of 319,80,676.5 Ts of Rough stone and 36,528 Ts of Gravel up to the depth of 62m BGL for a period of five years.

Sl. No.	Description	Status/Remarks
1.	Sector	Non-coal mining
2.	Category of the project	B1
3.	Proposed mineral	Rough Stone and Gravel quarry
4.	Type of Lease	The applied area was previously operated by Thiru. M. Ramasamy without EC.
5.	Extent of the lease	3.45.53 Ha
6.	Proposed depth of mining	62m BGL
7.	Method of mining	Opencast Semi-mechanized.
8.	Proposed lease period	5 Years
9.	Proposed Environmental Clearance	5 Years
10.	Mineable reserves (upto 62m BGL) (Quantity in cu.m)	7,20,246 m^3 of rough stone, 24,516 m^3 of Gravel
11.	Proposed production quantity for first five years (upto 62m BGL) (Quantity in Cu.m)	7,20,246 m^3 of rough stone, 24,516 m^3 of Gravel

The proposed Tvl. Mahaganapathi Blue Metal with sound experience in the identification of quarry, operation and marketing in the field of Rough Stone and gravel quarry. The proposed land is owned patta land, please refer **Annexure no –6.**

1.1.1 LOCATION

The proposed project site is located in Kuppam Village, Pugalur Taluk,Karur District, Tamil Nadu State and its Latitude: 11°00'21.62"N to 11°00'27.71"N and Longitude: 77°56'37.99"E to 77°56'45.37"E with Survey of India Topo Sheet No. 58- F/13. 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)

1.1.2 GEOLOGY

The rock type noticed in the area for lease 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 $N45^0E$ –$S45^0W$ with dipping towards $SE60^0$.

1.1.3 PROJECT DESCRIPTION

This is a proposed Rough Stone quarry by Opencast Mechanized mining method with drilling and blasting. The quarrying is restricted up to a depth of 62m below ground level. The geological reserves are estimated to be 20,07,180 Cu.m of Rough stone and 24,516 Cu.m of gravel. The mineable reserve calculated by deducting 7.5m safety distance and bench loss. The mineable reserves are 7,20,246 Cu.m of Rough Stone and 18,264 Cu.m of gravel which will be recovered at the rate of 100% recovery upto a depth of 62 m Below ground level for the period of ten years.

- It is proposed to quarry out rough stone with 5m bench height, 5m width with 45° slope using conventional Open cast Mechanized method. The quarry operation involves shallow jack hammer drilling, slurry blasting, excavation, Loading and transportation of Rough Stone.

- 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
3	Category	B1
4	Nature of mineral	Minor Mineral
5	Life of the mine	05 years
6	Geological reserves (upto 62m BGL)	20,07,180 Cu.m of Rough stone, 24,516 Cu.m Ts of gravel
	Mineable reserves (upto 62m BGL)	7,20,246 Cu.m of Rough Stone, 18,264 Cu.m of gravel
	Proposed production quantity for first five years (upto 62m BGL)	7,20,246 Cu.m of Rough Stone, 18,264 Cu.m of gravel
7	Waste generation and management	Nil
8	Bench height and width	Proposed bench height & width is 5.0m respectively and number of proposed benches is 13 Nos.
9	Ultimate pit depth	62 m BGL
10	End use	The excavated Rough Stone and Gravel is used for construction industries for Government & Public sector projects besides catering domestic housing and infrastructure projects in and around the district.

1.1.4 PROJECT REQUIREMENTS

The requirements of the project is given below.7

S.No.	Nature of requirement	Description
1	Water requirement	Total water requirement of 7.5 KLD which will be procured from the outside agencies. Out of 2.0 KLD drinking water requirement, Green belt development is 2.0 KLD and dust suppression is 3.5 KLD.
2	Power requirement	No electricity is needed for mining operations, for office demands, it will be met from the state

		grid. Total Fuel requirement is 579.241 KL of HSD for entire life of the project.
3	Manpower requirement	This project will give employment opportunities to 33 people
4	Financial requirement	The total project cost as per PFR will be INR . Rs. 133.7418 Lakhs including Operational cost, Fixed Asset cost and EMP cost
5	Funds for Socio economic development	INR 5 Lakhs is allocated. In addition, any demand raised by people during public hearing will also be met.

1.1.5 DESCRIPTION OF LEASE AREA

The features in the study area is given below.

Table 11.1 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,	<table><tr><td>Water bodies</td><td>Distance</td><td>Direction</td></tr><tr><td>Noyyal Canal</td><td>60m</td><td>NW</td></tr><tr><td>Kaveri River</td><td>6.81 km</td><td>N</td></tr><tr><td>Noyil River</td><td>5.1 km</td><td>NW</td></tr></table>
B	Coastal zone, biospheres,	Nil within 10km radius
C	Mountains, forests	Nil within 10km radius
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	Nil within 15km radius
4	Inland, coastal, marine or underground waters	Nil within 15km radius

5	State, National boundaries	Nil within 15km radius
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Nil within 15km radius
7	Defense installations	Nil within 15km radius
8	Densely populated or built-up area	Densely Populated Karur, 17 km (NE)
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Densely Populated Karur, 17km (NE)
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.

1.6 EXPLANATION OF HOW ADVERSE EFFECTS HAVE BEEN MITIGATED

1.6.1 AIR ENVIRONMENT

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

Table 11.2: Details Of Ambient Air Quality Monitoring Locations

S. No.	Station Code	Locations	Distance & Direction	Latitude	Longitude
1	AAQ 1	Project site	Core Zone	11° 0'24.47"N	77°56'41.34"E
2	AAQ 2	Thalaiyeethupatti	1.46km, SE	10°59'42.91"N	77°57'12.38"E
3	AAQ 3	Kurumpapatti	6.19km, SE	10°57'28.63"N	77°58'27.08"E
4	AAQ 4	Kuppam	2.29km, NW	11° 0'48.62"N	77°55'25.75"E

Table 11.2: Details Of Ambient Air Quality Monitoring Locations					
S. No.	**Station Code**	**Locations**	**Distance & Direction**	**Latitude**	**Longitude**
5	AAQ 5	Elunuthimangalam	6.89km, NW	11° 2'12.10"N	77°53'18.87"E
6	AAQ 6	Munnur	4.40km, SW	10°59'9.22"N	77°54'30.59"E
7	AAQ 7	Kunthanipalayam	2.76km, NE	11° 1'54.43"N	77°56'52.17"E

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

Station ID	Min	Max	Avg.
Particulate matter PM-$_{2.5}$ ($\mu g/m^3$)			
AAQ-1	25.1	33.3	29.4
AAQ-2	16.9	23.4	20.1
AAQ-3	20.2	25.5	22.8
AAQ-4	19.8	25.2	22.5
AAQ-5	17.9	22.9	20.0
AAQ-6	22.2	26.4	24.3
AAQ-7	22.0	26.3	24.0
CPCB NAAQS 2009 for PM $_{2.5}$ - 60 $\mu g/m^3$			
Particulate matter PM-$_{10}$ ($\mu g/m^3$)			
AAQ-1	54.3	72.1	63.5
AAQ-2	36.9	50.7	43.8
AAQ-3	42.8	54.4	48.3
AAQ-4	42.1	53.5	47.4
AAQ-5	39.2	48.2	43.7
AAQ-6	47.8	57.5	52.4
AAQ-7	47.5	56.7	51.8
CPCB NAAQS 2009 for PM $_{10}$ - 100 $\mu g/m^3$			
Sulphur Di-oxide as SO_2 ($\mu g/m^3$)			
AAQ-1	4.5	6.3	5.5
AAQ-2	3.6	5.8	4.6
AAQ-3	3.9	5.5	4.6
AAQ-4	4.1	5.1	4.6
AAQ-5	4.4	9.0	6.7
AAQ-6	4.1	6.3	5.2
AAQ-7	4.0	5.5	4.7
CPCB NAAQS 2009 for SO_2 – 80 $\mu g/m^3$			
Oxide of Nitrogen as NO_2 ($\mu g/m^3$)			
AAQ-1	7.3	12.6	10.1
AAQ-2	6.6	8.9	7.7
AAQ-3	7.6	10.8	9.4
AAQ-4	7.4	10.2	8.9
AAQ-5	5.8	10.5	8.2
AAQ-6	8.1	13.2	10.4
AAQ-7	8.3	12.3	10.2
CPCB NAAQS 2009 for NO_2 – 80 $\mu g/m^3$			

1.6.2 WATER ENVIRONMENT

All the values were found to be within permissible limits

PARAMETERS	GW1	GW2	GW3	GW4	GW5	GW6	GW7	**Limits**
								Permissible Limits
Odour	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	AGREEABLE	**Agreeable**
Turbidity	<1	<1	<1.0	<1.0	<1.0	<1	<1	**5**
pH at 25 °C	7.39	7.89	7.32	7.45	7.41	7.21	7.94	**6.5- 8.5**
Electrical Conductivity	1232	1025	1159	1972	1196	831.6	732.5	**-**
Total Dissolved Solids	740	616	696	1182	720	502	440	**2000**
Total hardness as $CaCO_3$	494	145	322	348	330	280	218	**600**
Calcium as Ca	106.8	27.88	64.8	80.8	66	70.4	48.8	**200**
Magnesium as Mg	54.5	18.1	38.4	35.0	39.6	25.0	23.0	**100**
Calcium as $CaCO_3$	267	69.7	162	202	165	176	122	**-**
Magnesium as $CaCO_3$	227	75	160	146	165	104	96	**-**
Total alkalinity as $CaCO_3$	282	189	290	460	292	230	205	**600**
Chloride as Cl^-	210	236	102	498	110	148	130	**1000**
Free Residual chlorine as Cl^-	BDL (D.L - 0.2)	BDL (D.L - 0.2)	BDL(DL-0.2)	BDL(DL-0.2)	BDL(DL-0.2)	BDL (D.L - 0.2)	BDL (D.L - 0.2)	**1**
Sulphates as SO_4^{2-}	120	184	280	316	290	54.4	50.2	**400**
Iron as Fe	0.09	0.05	BDL(DL-0.01)	BDL(DL-0.01)	BDL(DL-0.01)	0.06	0.06	**0.3**
Nitrate as NO_3	2.45	2.74	3.56	4.65	3.89	2.11	1.49	**45**
Fluoride as F	0.55	0.48	0.36	0.49	0.44	0.57	0.45	**1.5**
Manganese as Mn	BDL (D.L - 0.05)	BDL (D.L - 0.05)	BDL(DL-0.05)	BDL(DL-0.05)	BDL(DL-0.05)	BDL (D.L - 0.05)	BDL (D.L - 0.05)	**0.3**

1.6.3 NOISE ENVIRONMENT

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

Table 11.4 Noise monitoring results

S. No	Location	Day equivalent	Night equivalent	Day equivalent limits by CPCB	Night equivalent limits by CPCB
1	Project site	49.7	42.7	75	70

2	Thalaiyeethupatti village	47.2	39.6		
3	Kurumpapatti	48.4	38.7		
4	Kuppam village	45.9	38.3		
5	Elunuthimangalam village	46.1	38.1		
6	Munnur village	45.6	37.6		
7	Kunthanipalayam Village	49.7	39.3		

1.6.4 SOIL ENVIRONMENT

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

Table 11.5 - Result of Soil Analysis

PARAMETER	S1	S2	S3	S4	S5	S6	S7
PH	8.12	6.37	6.72	6.28	6.78	6.86	6.44
EC	94.78	76.53	186.5	48.95	162.4	90.24	65.98
DRY CONTENT	89.78	95.77	96.41	95.21	93.24	94.31	95.66
WATER CONTENT	10.22	4.23	3.59	4.79	6.76	5.69	4.34
ORGANIC MATTER	0.45	0.78	1.05	1.21	1.05	1.32	0.94
TOTAL SOLUBLE SULPHATE	BDL(D.L. 0.02)	BDL(D.L. 0.02)	BDL(D.L. 0.02)	BDL(D.L. 0.02)	BDL(D.L. 0.02)	BDL(D.L. 0.02)	BDL(D.L. 0.02)
PHOSPHOROUS	0.87	1.34	2.76	1.78	2.12	2.41	2.97
TEXTUER	SILT LOAM	silt loam	silty clay loam	silty clay	silty clay loam	loam	silt loam
SAND	26.58	24.37	13.36	8.94	13.35	33.74	29.05
SILT	58.52	68.24	48.25	47.55	47.58	49.56	53.33
CLAY	14.90	7.39	38.39	43.51	39.07	16.70	17.62
NITROGEN & NITREGENOUS COMPOUNDS	342	625	302	261	284	441	220
SODIUM	765	575	1060	412	1032	394	346
POTASSIUM	513	744	884	650	856	625	717
Water Holding Capacity	**41**	**40**	**42**	**38**	**42**	**42**	**41**
Porosity	**19.6**	**17.5**	**19.6**	**18.2**	**19.3**	**20.2**	**19.8**

1.6.5 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.

1.6.6 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:

Table No. 11.5: 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	13.51	4.2
2	Crop land	236.8	73.69
3	Fallow land	4.26	1.36
4	Land with scrub	17.16	5.34
5	Land without scrub	7.93	2.46
6	Existing Quarry	8.11	2.52
7	Plantations	21.97	6.83
10	Water bodies	11.57	3.6
	Total Area	**321.31**	**100**

1.6.7 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 5 villages in the study area namely Kuppam village, Kurumpapatti, Pudukkanali village, Thalaiyeetupatti village and Munnur 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 Nalmukkal. The following observations were made

The following observations were made.

Primary schools are available in many villages. For hospital facilities, people in the locality have to go to hospital in Viswanathapuri which is about 9 Km from the lease area. Major schools with higher secondary and senior secondary schools are located in Kurupapatti. Facilities like petrol pump stations, ATM facility are available in Kuppam.

1.6.8 HYDROGEOLOGY OF THE LEASE AREA

There is Noyyal River is located at a distance of 5.1 km in NW direction of lease area, the hydrological and hydrogeological pattern of the study area is studied in detail using satellite imagery.

There are many 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.

1.6.9 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.

During field visit, it is observed that water is available in wells only after monsoon. The yield is obtained at deep levels only.

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 62 m BGL. Hence, there will not be any major impact due to mining on water levels or ground water levels in the area.

1.7 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

1.7.1 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 62 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, 2.95.80 Ha of lease area will be left as rain water harvesting pond. 0.47.73 Ha will be developed with green belt. For this, plants like Pongamia pinnata, Syzigium cumini, Albizia lebbeck, Thespesia populnea, Bauhinia racemose, Cassia siamea, Azadirachta indiaca are selected. A total of 480 trees are planned to be planted. Spacing will be 3m x 3m.

1.7.2 WATER ENVIRONMENT: IMPACT AND MITIGATION MEASURES

There is no water body present inside the lease area. The entire water requirement for the project is 7.5 KLD which will be sourced from outside agencies. Negligible sewage will be generated, for which a septic tank with soak pit will be set up.

During monsoon season, the excess rain water, if any, will be led through garland drain of 0.6m width and 0.3 m depth to the collection pond with silt traps.

Since the mining operation will be limited upto depth of 62m (BGL), there will not be any seepage. However, the rain water percolation and collection of water from seepage shall be less than 300lpm and it shall be pumped out periodically by a stand by diesel powered Centrifugal pump motivated with 7.5HP 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.

Water bodies	Distance	Direction
Noyyal Canal	60m	NW
Kaveri River	6.81 km	N
Noyil River	5.1 km	NW

Since these water bodies are located outside the lease 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. For the canal, adequate safety distance is left. The proponent will restrict the mining operation only within the lease and no other work will be carried out near the canal 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

1.7.3 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.

1.7.3 AIR ENVIRONMENT: IMPACT AND MITIGATION MEASURES

The major air pollutants due to mining operations are fugitive emissions like PM_{10}, $PM_{2.5}$. Other than these pollutants, gaseous emissions of sulfur dioxide (SO_2) 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 7.5m barriers in the lease area.

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

1.7.4 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 85 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 MoEF & CC limits since the baseline value is low.

1.7.5 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

1.7.6 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 5,00,000 for CER activities. This amount will be subjected to change after public hearing.

1.8 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.

1.9 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 23.01 Lakhs is allocated.

1.10 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 23 people directly. Local people will be hired for unskilled labour.
- Through CSR, nearby schools, hospitals will be benefitted.
- For CSR, INR 5,00,000 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 an 23.01 lakhs for the 05 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

ANNEXURE

ந.க.எண். 208/கனிமம்/2024

மாவட்ட ஆட்சியர் அலுவலகம்
புவியியல் மற்றும் சுரங்கத்துறை,
கரூர்

நாள்: 11.04.2025.

குறிப்பாணை

பொருள்: கனிமங்களும் குவாரிகளும் - கரூர் மாவட்டம் - புகளூர் வட்டம் - குப்பம் கிராமம் - பட்டா புல எண்கள்.511/1 (0.96.76 ஹெக்டேர்), 511/2 (1.21.24 ஹெக்டேர்) மற்றும் 512/2 (1.27.53 ஹெக்டேர்) ஆகியவற்றின் மொத்தம் 3.45.53 ஹெக்டேர் நிலப் பரப்பில் - சாதாரணக்கற்கள் மற்றும் கிராவல் வெட்டி எடுக்க குவாரி குத்தகை உரிமம் வேண்டி மகாகணபதி புளூமெட்டல் என்ற நிறுவனத்தின் விண்ணப்பம் செய்தது - உரிமம் வழங்க பரிந்துரை செய்யப்பட்டது - தகுதியான நிலப்பரப்பாக கருதி ஏற்பளிக்கப்பட்ட சுரங்க திட்டம் மற்றும் மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணைய இசைவினை பெற்று சமர்பிக்கக் கோருதல் - தொடர்பாக.

பார்வை:

1. தி/ள்.மகாகணபதி புளூ மெட்டல், சர்வே எண்.510/1, அரசம்பாளையம், குப்பம் அஞ்சல், புகளூர் வட்டம், கரூர் மாவட்டம் என்ற நிறுவனத்தின் குவாரி குத்தகை உரிமம் வழங்கக் கோரும் விண்ணப்பம் நாள்: 11.07.2024
2. வருவாய் கோட்டாட்சியர், கரூர் அவர்களின் கடிதம் ந.க.எண். அ1/3892/2024, நாள்:08.10.2024
3. உதவி புவியியலாளர், புவியியல் மற்றும் சுரங்கத்துறை கரூர் என்பவரது புலத்தணிக்கை அறிக்கை நாள்: .04.2025.
4. அரசாணை (பல்வகை) எண். 169, தொழில் (எம்எம்.சி-1) துறை நாள்: 04.08.2020 இணைத்து வரப்பெற்றுள்ளது. (தமிழ்நாடு அரசிதழ் சிறப்பு வெளியீடு எண். 315 நாள்: 04.08.2020).

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கரூர் மாவட்டம், புகளூர் வட்டம் குப்பம் கிராமம் பட்டா புல எண்கள்.511/1 (0.96.76 ஹெக்டேர்), 511/2 (1.21.24 ஹெக்டேர்) மற்றும் 512/2 (1.27.53 ஹெக்டேர்) ஆகியவற்றின் மொத்தம் 3.45.53 ஹெக்டேர்ஸ் பரப்பு நிலத்திலிருந்து ஐந்து ஆண்டுகளுக்கு சாதாரண கற்கள மற்றும் கிராவல் வெட்டியெடுக்க சர்வே எண்.510/1, அரசம்பாளையம், குப்பம் அஞ்சல், புகளூர் வட்டம், கரூர் மாவட்டம் என்ற முகவரியை சேர்ந்த தி/ள்.மகாகணபதி புளூமெட்டல் என்ற நிறுவனத்தினர் பார்வை 1-இல் கண்டுள்ளவாறு விண்ணப்பம் செய்துள்ளார்.

மேற்படி விண்ணப்பம் தொடர்பாக, வருவாய் கோட்டாட்சியர், கரூர் மற்றும் உதவி புவியியலாளர், புவியியல் மற்றும் சுரங்கத்துறை, கரூர் ஆகியோர் புலத்தணிக்கை மேற்கொண்டு கரூர் மாவட்டம், புகளூர் வட்டம் குப்பம் கிராமம் பட்டா புல எண்கள்.511/1 (0.96.76 ஹெக்டேர்), 511/2 (1.21.24 ஹெக்டேர்) மற்றும் 512/2 (1.27.53 ஹெக்டேர்) ஆகியவற்றின் மொத்தம் 3.45.53 ஹெக்டேர்ஸ் பரப்பில் மட்டும் தமிழ்நாடு சிறு கனிமச்சலுகை விதிகளில் விதி எண்கள்.19-(1), 20 மற்றும் 33-இன் கீழ் தி/ள்.மகாகணபதி புளூமெட்டல் என்ற நிறுவனத்தினர் 5 ஆண்டுகளுக்கு சாதாரண கற்கள் மற்றும் கிராவல் குவாரி உரிமம் வழங்க கீழ்கண்ட நிபந்தனைகளுக்குட்பட்டு அனுமதி வழங்கலாம் என பரிந்துரை செய்துள்ளனர்.

1. விண்ணப்ப புலத்திற்கு கிழக்கில் தென்வடலாக செல்லும் கிராம சாலைக்கு 10 மீட்டர் பாதுகாப்பு இடைவெளி விட்டு யாதொரு சேதமுமின்றி முறையாக குவாரிப்பணி செய்ய வேண்டும்.

2. விண்ணப்ப புலத்திற்கு அருகில் உள்ள பட்டா நிலங்களுக்கு 7.5 மீட்டர் மற்றும் புறம்போக்கு நிலத்திற்கு 10 மீட்டர் பாதுகாப்பு இடைவெளி விட்டு யாதொரு சேதமுமின்றி முறையாக குவாரிப்பணி செய்ய வேண்டும்.

3. குத்தகைக்காலத்தில் கைத்துளைப்பான் கருவி கொண்டு பாறைகளை துளையிட்டும், மிதமான வெடிபொருள் பயன்படுத்தியும், பொதுமக்களுக்கோ, பொது சொத்துக்களுக்கோ யாதொரு சேதமுமின்றி விதிமுறைகளின்படி குவாரிப்பணி செய்ய வேண்டும்.

4. குவாரித் தொழிலாளர்களின் பாதுகாப்பினை உறுதி செய்ய Mettaliferrous Mines, விதிகளின்படி அகலமானதும், பாதுகாப்பானதுமான Benches அமைத்து பாதுகாப்பான முறையில் குவாரிக்குள் வாகனங்கள் சென்றுவரவும் மற்றும் குவாரி தொழிலாளர்களின் பாதுகாப்பினை உறுதி செய்தும் குவாரிப்பணி செய்ய வேண்டும்.

5. குவாரி குத்தகை வழங்க ஏதுவாக உதவி இயக்குநர் (சுரங்கம்) அவர்களால் ஏற்பளிக்கப்பட்ட சுரங்கத்திட்டத்தினையும், மாநில அளவிலான சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் (SEIAA) அனுமதி பெற்று மாவட்ட நிர்வாகத்திற்கு விண்ணப்பதாரரால் சமர்ப்பிக்கப்பட வேண்டும்.

எனவே, வருவாய் கோட்டாட்சியர், கரூர் மற்றும் உதவி புவியியலாளர், புவியியல் மற்றும் சுரங்கத்துறை, கரூர் ஆகியோரின் பரிந்துரைகள் மற்றும் நிபந்தனைகளின் அடிப்படையில் கரூர் மாவட்டம், புகளூர் வட்டம் குப்பம் கிராமம் பட்டா புல எண்கள்.511/1 (0.96.76 ஹெக்டேர்), 511/2 (1.21.24 ஹெக்டேர்) மற்றும் 512/2 (1.27.53 ஹெக்டேர்) ஆகியவற்றின் மொத்தம் 3.45.53 ஹெக்டேர்ஸ் பரப்பில் 1959-ம் வருட தமிழ்நாடு சிறுகனிம விதிகள், விதி எண். 19(1), 20 மற்றும் 33-இன்படியும் மேலும் மேற்கண்ட நிபந்தனைகளுக்கு உட்பட்டு ஐந்து வருட காலத்திற்கு தி/ள். மகா கணபதி புளூ மெட்டல்

என்ற நிறுவனத்திற்கு சாதாரண கற்கள் மற்றும் கிராவல் குவாரி உரிமம் வழங்குவதற்குரிய தகுதியான நிலப்பரப்பாக கருதப்படுகிறது.

அதற்கிணங்க, தமிழ்நாடு சிறு கனிம சலுகை விதிகள்-1959 விதி எண்.41-இன்படி குவாரிப்பணி மேற்கொள்வது தொடர்பாக வரைவு சுரங்க திட்டத்தினை 90 தினங்களுக்குள் சமர்ப்பிக்குமாறு தி/ள். மகா கணபதி புளூ மெட்டல் என்ற நிறுவனத்தினர் கேட்டுக்கொள்ளப்படுகிறார். மேலும் ஏற்பளிக்கப்பட்ட சுரங்கத்திட்டத்தின் தொடர்ச்சியாக 1959-ஆம் வருடத்திய தமிழ்நாடு சிறுகனிம சலுகை விதிகள், விதி எண்.42-இன்படி சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் இசைவினைப் பெற்று சமர்பிக்கும் பட்சத்தில் மட்டுமே குவாரி உரிமம் வழங்கப்படும் என இதன் மூலம் தெரிவிக்கப்படுகிறது.

உதவி இயக்குநர்,
புவியியல் மற்றும் சுரங்கத்துறை,
கரூர்.

பெறுநர்

தி/ள்.மகாகணபதி புளூ மெட்டல்,
சர்வே எண்.510/1,
அரசம்பாளையம்,
குப்பம் அஞ்சல்,
புகளூர் வட்டம், கரூர் மாவட்டம்

நகல்:-

1. மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையம், சென்னை.
2. ஆணையர், புவியியல் மற்றும் சுரங்கத்துறை, கிண்டி, சென்னை.

ANNEXURE-2

From
Thiru.S.Poornavel, M.Sc.,
Assistant Director,
Geology and Mining,
Karur.

To
Tvl.Mahaganapathi Blue Metal,
S.F.No.510/1,
Arasampalayam,
Kuppam Post,
Pugalur Taluk, Karur District

Rc.No.208/Mines/2024, Dated: 24.04.2025

Sir,

Sub: Mines and Minerals – Minor Mineral – Karur District – Pugalur Taluk - Kuppam Village - Patta lands in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares, and 512/2 (1.27.53 hectares), Over an extant of 3.45.53 hectares - Rough Stone and Gravel Quarry lease application Preferred by Tvl.Mahaganapathi Blue Metal - Precise area communicated - mining plan submitted for approval – Mining Plan Approved – Regarding.

Ref:
1. Rough stone and Gravel Quarry lease application preferred by Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District, dated: 11.07.2024.
2. Order of the Hon'ble Supreme Court of India in I.A.Nos.12-13/2011 in SLP (C) No.19628-19629/2009, dt: 27.02.2012.
3. Government of India, Ministry of Environment and Forest Office Memorandum, Dated:18.05.2012.
4. The Chairman, State Level Environment Impact Assessment Authority, Tamil Nadu D.O.Lr.No.SEIAA-TN/Minor Minerals/2012, Dated: 17.09.2012.
5. The Commissioner of Geology and Mining, Chennai letter Rc.No.3868/LC/2012, dt: 19.11.2012.
6. Assistant Director, Geology and Mining, Karur Notice Rc.No.208/Mines/2024, Dated: 11.04.2024.
7. Mining Plan submitted by Tvl.Mahaganapathi Blue Metal, letter Dated: 12.04.2025 received on 21.04.2025.

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In the reference 1st cited Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District has applied for the grant of Rough Stone and Gravel quarry lease for Five years period over an extent of 3.45.53 hectares of patta land in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares), and 512/2 (1.27.53 hectares), of Kuppam Village, Pugalur Taluk, Karur District under Rule 19(1) of Tamil Nadu Minor Mineral Concession Rule 1959.

The Precise area has been communicated by Assistant Director, Geology and Mining, Karur to the applicant for the period of five years based on the recommendation of the Revenue Divisional Officer, Karur and Assistant Geologist, Geology and Mining, Karur in the reference 6th cited. In perusal to that the draft mining plan submitted by the applicant as per the Rule 41 in the reference 7th cited and also instructed to the applicant to submit the Environmental Clearance as per Rule 42 of Tamil Nadu Minor Mineral Concession Rules.

The above submitted mining plan for the grant of Rough stone and Gravel quarry lease patta land in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares, and 512/2 (1.27.53 hectares), Over an extent of 3.45.53 hectares of Kuppam Village, Pugalur Taluk, Karur District has been examined in detail.

Scrutiny remarks on the draft Mining Plan are furnished below.

a. The Rough Stone and Gravel has been planned to be operated for a period of five years.
b. The Geological reserve in the subject area is assessed as 5519745 Metric Tonne of Rough Stone and Gravel 49032 Metric Tonne upto a depth of 62m below ground level only.
c. The Mineable reserve is estimated as 1980676.50 Metric Tonne of Rough Stone and 36528 Metric Tonne of Gravel for the period of Five years upto a depth of 62 m below ground level only.

d. It has been proposed to quarry 1980676.50 Metric Tonne of Rough Stone and 36528 Metric Tonne of Gravel for the period of five years upto a depth of 62 m below ground level.

e. Machineries like tractor mounted compressor attached with jack hammers, excavators with rock breaker attachment are proposed for quarrying operation.

f. Water table level in the area applied is 77m below the ground level during a year.

g. As per the Rule 111 of Metalliferrous Mining Regulations 1961, the boundary barrier zone of 7.5 meters is ear-marked as neutral zone.

h. The draft Mining plan is submitted within the prescribed time limit of 90 days from the date of receipt of the precise area communication and stipulations made in the rule 36 of the TNMMCR, 1959 are adhered.

i. The plates including Toposketch of quarry lease applied area for 10Km Radius (1:1,00,000), Quarry lease & Surface plan (1:1,000), Conceptual plan and sections (1:1,000), Topography, Geological & Year wise development & Production plan & Sections (1: 1,000) and Environmental plan (1:10,000) were verified with reference to the field evidences.

As per the guidelines/ instructions issued by the Commissioner of Geology and Mining, Chennai vide letter Rc.No.3868/LC/2012, date: 19.11.2012., the mining plan submitted by the applicant is hereby approved, subject to the following conditions:

(I) 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.

(II) This approval of the mining plan does not in any way imply the approval of the Government in terms or 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, Explosives Act, 1884 (Central Act IV of 1884) Minor Mineral Concession and Development Rules, 2010 and the Rules made there under and the Tamil Nadu Minor Mineral Concession Rules, 1959.

(III) The mining plan is approved without prejudice to any other order or direction from any court of competent jurisdiction.

(IV) As per the Assistant Director, Geology and Mining, Karur notice in Rc.No.208/Mines/2024, Dated.11.04.2025 the following conditions are incorporated in the Mining Plan plates.

1. விண்ணப்ப புலத்திற்கு கிழக்கில் தென்வடலாக செல்லும் கிராம சாலைக்கு 10 மீட்டர் பாதுகாப்பு இடைவெளி விட்டு யாதொரு சேதமுமின்றி முறையாக குவாரிப்பணி செய்ய வேண்டும்.

2. விண்ணப்ப புலத்திற்கு அருகில் உள்ள பட்டா நிலங்களுக்கு 7.5 மீட்டர் மற்றும் புறம்போக்கு நிலத்திற்கு 10 மீட்டர் பாதுகாப்பு இடைவெளி விட்டு யாதொரு சேதமுமின்றி முறையாக குவாரிப்பணி செய்ய வேண்டும்.

3. குத்தகைக்காலத்தில் கைத்துளைப்பான் கருவி கொண்டு பாறைகளை துளையிட்டும், மிதமான வெடிபொருள் பயன்படுத்தியும், பொதுமக்களுக்கோ, பொது சொத்துக்களுக்கோ யாதொரு சேதமுமின்றி விதிமுறைகளின்படி குவாரிப்பணி செய்ய வேண்டும்.

4. குவாரித் தொழிலாளர்களின் பாதுகாப்பினை உறுதி செய்ய Mettaliferrous Mines, விதிகளின்படி அகலமானதும், பாதுகாப்பானதுமான Benches அமைத்து பாதுகாப்பான முறையில் குவாரிக்குள் வாகனங்கள் சென்றுவரவும் மற்றும் குவாரி தொழிலாளர்களின் பாதுகாப்பினை உறுதி செய்தும் குவாரிப்பணி செய்ய வேண்டும்.

5. குவாரி குத்தகை வழங்க ஏதுவாக உதவி இயக்குநர் (சுரங்கம்) அவர்களால் ஏற்பளிக்கப்பட்ட சுரங்கத்திட்டத்தினையும், மாநில அளவிலான சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் (SEIAA) அனுமதி பெற்று மாவட்ட நிர்வாகத்திற்கு விண்ணப்பதாரரால் சமர்ப்பிக்கப்பட வேண்டும்.

(V) Quarrying shall be done as per the approved Mining Plan and that 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.

(VI) If anything is found to be concealed as required by the Mines Act in the contents of the Mining Plan and the proposal for rectification has not been made, the approval shall be deemed to have been withdrawn with immediate effect.

Encl: Two copies of Approved Mining Plan.

24/4/25

Assistant Director,
Geology and Mining,
Karur.

24/4/25

From
Thiru.S.Poornavel, M.Sc.,
Assistant Director,
Geology and Mining,
Karur.

To
Tvl.Mahaganapathi Blue Metal,
S.F.No.510/1,
Arasampalayam,
Kuppam Post,
Pugalur Taluk, Karur District

R.C. No.208/Mines/2024, Dated:24.04.2025

Sub: Mines and Minerals – Minor Mineral – Karur District – Pugalur Taluk - Kuppam Village - Patta lands in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares, and 512/2 (1.27.53 hectares), Over an extant of 3.45.53 hectares - Rough Stone and Gravel Quarry lease application preferred by Tvl.Mahaganapathi Blue Metal – Mining Plan approved – Requested for the details of existing pits in lease applied field to get Environmental Clearance - furnished – Regarding.

Ref:
1. Rough stone and Gravel Quarry lease application preferred by Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District, dated: 11.07.2024.
2. Precise Area Communication Memorandum Rc.No.208/Mines/2024, Dated: 11.04.2024.
3. Mining Plan submitted by Tvl.Mahaganapathi Blue Metal letter Dated: 12.04.2025, received on 21.04.2025
4. The Assistant Director, Geology and Mining, Karur Mining Plan approved letter Rc.No.208/Mines/2024, Dated: 24.04.2024.
5. Tvl.Mahaganapathi Blue Metal, letter Dated: 23.04.2025

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In the reference 1st cited Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District has applied for the grant of Rough Stone and Gravel quarry lease for Five years period over an extent of 3.45.53 hectares of patta land in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares), and 512/2 (1.27.53 hectares), of Kuppam Village, Pugalur Taluk, Karur District under Rule 19(1) of Tamil Nadu Minor Mineral Concession Rule 1959.

In the reference 2nd cited the precise area has been communicated to the applicant based on the recommendation of the Revenue Divisional Officer, Karur and Assistant Geologist of Geology and Mining, Karur.

The subject land was previously held under quarry lease, in favour of Thiru.M.Ramasamy, S/o.Marappa Gounder, for the first five years in S.F.No. 511 over an extent of 2.18.0 hectares of patta land in Kuppam Village, Pugalur Taluk, Karur District vide the District Collector's Proceeding in Rc.No.D/48/2004 Dt:20.5.2004, the lease period from 13.9.2005 to 12.9.2010.

The old working pits noticed in the lease applied area as per the approved mining plan and the existing pit dimensions as follows:-

Pit Level	Length(m)	Width(m)	Depth(m)
I	129	95	2
II	55	19	4

24/4/25

Assistant Director,
Geology and Mining,
Karur.

24/4/25

ANNEXURE-3

From
Thiru.S.Poornavel, M.Sc.,
Assistant Director,
Geology and Mining,
Karur.

To
Tvl.Mahaganapathi Blue Metal,
S.F.No.510/1,
Arasampalayam,
Kuppam Post,
Pugalur Taluk, Karur District

Rc.No.208/Mines/2024, Dated:25.04.2025

Sir,

Sub: Mines and Minerals – Minor Mineral – Karur District – Pugalur Taluk - Kuppam Village - Patta lands in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares, and 512/2 (1.27.53 hectares), Over an extant of 3.45.53 hectares - Rough Stone and Gravel Quarry lease application Preferred by Tvl.Mahaganapathi Blue Metal – Mining Plan approved - requested for the details of Existing/ Proposed/Expired and Abandoned quarries situated within 500 mts radial distance - furnished – Regarding.

Ref:
1. Rough stone and Gravel Quarry lease application preferred by Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District, dated: 11.07.2024.
2. Precise Area Communication Memorandum Rc.No.208/Mines/2024, Dated: 11.04.2024.
3. Mining Plan submitted by Tvl.Mahaganapathi Blue Metal letter Dated: 12.04.2025, received on 21.04.2025
4. The Assistant Director, Geology and Mining, Karur Mining Plan approved letter Rc.No. 208/Mines/2024, Dated: 24.04.2025.
5. Tvl.Mahaganapathi Blue Metal letter Dated: 23.04.2025.

In the reference 1st cited Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District has applied for the grant of Rough Stone and Gravel quarry lease for Five years period over an extent of 3.45.53 hectares of patta land in S.F.Nos.511/1 (0.96.76 hectares), 511/2 (1.21.24 hectares), and 512/2 (1.27.53 hectares), of Kuppam Village, Pugalur Taluk, Karur District under Rule 19(1) of Tamil Nadu Minor Mineral Concession Rule 1959.

Accordingly, the applicant has submitted the 3 copies of draft Mining Plan and the same was approved by the Assistant Director, Geology and Mining, Karur vide reference 4th cited.

In the reference 5th cited, the applicant has requested to the Assistant Director of Geology and Mining, Karur to provide the details of existing, proposed and abandoned quarries situated within 500 meter radial distance from the subject area and the same has been furnished as follows:-

I. Existing Quarries: -

Sl No.	Name of the lessee/firm it holder	Name of the Mineral	Taluk & Village	S.F.No.	Extent (hect)	Lease Period
1.	Tmt.P.Amaravathi W/o.Palanisamy	Rough Stone	Pugalur Taluk Kuppam	513/2C 595/2 Part	2.84.0	02.12.2024 to 01.12.2029
2.	Tvl. New Star Blue Metals	Rough Stone	Pugalur Taluk Kuppam	553/2 Part	1.62.0	06.12.2024 to 05.12.2034

II. Proposed Quarries: -

Sl No.	Name of the lessee/firm it holder	Name of the Mineral	Taluk & Village	S.F.No.	Extent (hect)	Lease Period
1.	Tvl.Mahaganapathi Blue Metal, S.F.No.510/1, Arasampalayam, Kuppam Post, Pugalur Taluk, Karur District	Rough Stone & Gravel	Pugalur Taluk Kuppam	511/1 511/2 512/2	3.45.53	Proposed Area

III. Lease Expired Quarries : -

Sl No.	Name of the lessee/firm it holder	Name of the Mineral	Taluk & Village	S.F.No.	Extent (hect)	Lease Period
1.	Thiru.S.Jeevanantham	Rough Stone	Pugalur Taluk Kuppam Village	524/3A 2 524/3B	1.81.5	05.07.2017 to 04.07.2022
2.	Tmt.P.Amaravathi W/o.Palanisamy	Rough Stone	Pugalur Taluk Kuppam Village	509/2A Part	0.89.5	18.08.2017 to 17.08.2022
3.	Tmt.P.Mallika, W/o.Periyasamy,	Rough Stone	Pugalur Taluk Kuppam Village	509/1 Part	1.88.0	07.2.2018 to 06.2.2023

IV. Abandoned Quarries : -

Sl No.	Name of the lessee/firm it holder	Name of the Mineral	Taluk & Village	S.F.No.	Extent (hect)	Lease Period
1	--- Nil---					

24/4/25

Assistant Director,
Geology and Mining,
Karur

25/4/25