

# EXECUTIVE SUMMARY FOR PROPOSED ROUGH STONE QUARRY CATEGORY – B1

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

APPROVED TOR VIDE TOR IDENTIFICATION No. TO25B0108TN5556000N (FILE NO. 12811) DATED: 27.11.2025

| PROPOSED QUARRY LEASE DETAILS                                                      |                         |
|------------------------------------------------------------------------------------|-------------------------|
| SURVEY NOS                                                                         | 328/2 (Block-35)        |
| VILLAGE                                                                            | KALAPADI (NORTH)        |
| TALUK                                                                              | PERAMBALUR              |
| DISTRICT                                                                           | PERAMBALUR              |
| EXTENT                                                                             | 1.50.0 Ha               |
| CLUSTER EXTENT                                                                     | 13.6.0 Ha               |
| MINEABLE RESERVES<br>(upto 66m (56m AGL AND 10m BGL)                               | 2,98,179 m <sup>3</sup> |
| PROPOSED PRODUCTION QUANTITY FOR<br>FIRST FIVE YEARS (66m (56m AGL AND<br>10m BGL) | 1,76,669 m <sup>3</sup> |
| LAND                                                                               | GOVERNMENT LAND         |

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

Category of the Project: B1 Cluster Mining, Total Cluster Area – 13.6.00 Ha

Baseline Monitoring Period – March 2025 – May 2025

## APPLICANT

**M/s. PERAMBALUR QUALITY MINERALS.**

NO.238/1A3, ARUMADAL ROAD,

SENGUNAM,

PERAMBALUR DISTRICT,

PINCODE-621 220.

| ENVIRONMENTAL CONSULTANT                                                                                                                                                                                                                                                                                                                                                                                                                                            | LABORATORY                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>M/s. GLOBAL MINING SOLUTIONS</b><br><i>(NABET Accredited &amp; ISO 9001 Certified Consultant)</i><br>Plot No. 6, S.F.No. 13/2, A2, VS City,<br>RC Chettypatty, Kottamettupatty, Omalur,<br>Salem, Tamil Nadu – 636 455.<br><b>NABET Accreditation No: NABET/EIA/23-26/SA 0241</b><br><b>Valid up to: 02.03.2026</b><br><b>Contact: 97502 23535 &amp; 94446 54520</b><br><b>Email: infoglobalmining@gmail.com,</b><br><b>globalminingsolutionssalem@gmail.com</b> | <b>M/s. SHRIENT ANALYTICAL &amp; RESEARCH LABS PRIVATE LIMITED</b><br><i>(NABL Accredited Testing Laboratory)</i><br><b>Valid up to: 29.09.2029</b><br><b>#416/15, Dhargas Road, Perungalathur,</b><br><b>West Tambaram, Chennai,</b><br><b>Tamil Nadu, India.</b> |

## **EXECUTIVE SUMMARY**

### **1.1 OVER ALL JUSTIFICATION FOR IMPLEMENTATION OF THE PROJECT INTRODUCTION**

M/s. Perambalur Quality Minerals Rough Stone Quarry, has obtained Precise Area communication letter from the Assistant Director, Department of Geology and Mining, Perambalur to quarry out 1,76,665 m<sup>3</sup> of Rough Stone up to 56m AGL located at the S. No.328/2 (Block – 35), Kalpadi (North) Village, Perambalur Taluk, Perambalur District, Tamil Nadu State.

As per EIA notification, 2006 and its subsequent amendments the proposed "Rough Stone Quarry of M/s. Perambalur Quality Minerals 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. TO25B0108TN5556000N, dated 27/11/2025. This report has been prepared in line with the approved TOR for production of maximum excavation of 1,76,665 m<sup>3</sup> of Rough stone a up to the depth of 56m AGL 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 quarry                                                                              |
| 4.      | Type of Lease                                                                       | he applied area was previously operated by some other lessee before 2016. CCR is not applicable |
| 5.      | Extent of the lease                                                                 | 1.50.0 Ha                                                                                       |
| 6.      | Proposed depth of mining                                                            | 56m AGL                                                                                         |
| 7.      | Method of mining                                                                    | Opencast Semi-mechanized.                                                                       |
| 8.      | Proposed lease period                                                               | 5 Years                                                                                         |
| 9.      | Proposed Environmental Clearance                                                    | 5 Years                                                                                         |
| 10.     | Mineable reserves                                                                   | 2,98,179 m <sup>3</sup> of rough stone                                                          |
| 11.     | Proposed production quantity for first five years (upto 56m AGL) (Quantity in Cu.m) | 1,76,665 m <sup>3</sup> of rough stone                                                          |

The proposed M/s. Perambalur Quality Minerals with sound experience in the identification of quarry, operation and marketing in the field of Rough Stone quarry. The proposed land is Government Land, please refer **Annexure no -6**.

#### **1.1.1 LOCATION**

The proposed project site is located in Kalapadi (North) Village, Perambalur Taluk, Perambalur District, Tamil Nadu State and its Latitude: 11°13'17.68"N to 11°13'22.69"N and Longitude: 78°55'09.34"E to 78°55'15.21"E with Survey of India Topo Sheet No. 58- I/16. 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°E –S45°W with dipping towards SE60°.

#### **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 7,31,320 m<sup>3</sup> of Rough stone. The mineable reserve calculated by deducting 7.5m safety distance and bench loss. The mineable reserves are 2,98,179 Cu.m of Rough Stone which will be recovered at the rate of 100% recovery upto a depth of 56m AGL level for the period of five 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 quarrying operation.

**EXECUTIVE SUMMARY FOR THE PROPOSED ROUGH STONE QUARRY OF M/s. PERAMBALUR QUALITY MINERALS AT S.F.NO. 328/2 (BLOCK-35) OVER AN EXTENT OF 1.50.00 Ha IN KALPADI (NORTH) VILLAGE, PERAMBALUR TALUK, PERAMBALUR DISTRICT, TAMIL NADU**

| 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 56m AGL)                          | 7,31,320 m <sup>3</sup>                                                                                                                                                                         |
|       | Mineable reserves (upto 56m AGL)                            | 2,98,179 m <sup>3</sup>                                                                                                                                                                         |
|       | Proposed production quantity for first five years (56m AGL) | 1,76,669 m <sup>3</sup>                                                                                                                                                                         |
| 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 11 Nos.                                                                                                    |
| 9     | Ultimate pit depth                                          | 56m AGL                                                                                                                                                                                         |
| 10    | End use                                                     | The excavated Rough Stone 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.

| S.No. | Nature of requirement | Description                                                                                                                                                                                      |
|-------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Water requirement     | Total water requirement of 3 KLD which will be procured from the outside agencies. Out of 1.0 KLD drinking water requirement, Green belt development is 0.5 KLD and dust suppression is 1.5 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 141.335 KL of HSD for entire life of the project.              |
| 3     | Manpower requirement  | This project will give employment opportunities to 30 people                                                                                                                                     |

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|   |                                      |                                                                                                                                     |
|---|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Financial requirement                | The total project cost as per PFR will be INR. Rs. 512.61 Lakhs including Operational cost, Fixed Asset cost and EMP cost, CER Cost |
| 5 | Funds for Socio economic development | INR 3 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.

| 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,                                                                                                  | Tank – 1.12 km (SE), Thoramangalam Tank – 2.20 km (NW), Marudhaiyaaru River –1.20 km (SW) |
| 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                                                                                                              | Perambalur – 3.2 km - NW                                                                  |
| 9                             | Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)                                    | Perambalur – 3.2 km - NW                                                                  |

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|    |                                                                                                                                                                                                                         |                                                        |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 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.

| <b>S. No.</b> | <b>Location Code</b> | <b>Monitoring Locations</b> | <b>Distance &amp; Direction from Site</b> | <b>Latitude and longitude</b> |
|---------------|----------------------|-----------------------------|-------------------------------------------|-------------------------------|
| 1             | AAQ1                 | Near ML area                | -                                         | 11°13'19.84"N, 78°54'54.62"E  |
| 2             | AAQ2                 | Thoramangalam               | 1.23km, NE                                | 11°13'2.82"N, 78°53'17.32"E   |
| 3             | AAQ3                 | Near Perali                 | 4.55km, NE                                | 11°14'3.56"N, 78°57'8.70"E    |
| 4             | AAQ4                 | Kavulpalayam                | 2.98km, SW                                | 11°14'0.21"N, 78°55'5.40"E    |
| 5             | AAQ5                 | Kalpadi                     | 5.47km, SW                                | 11°11'34.74"N, 78°55'12.96"E  |
| 6             | AAQ6                 | Neduvasal                   | 1.64km, NW                                | 11°12'46.98"N, 78°54'36.18"E  |

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

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## 1.6.2 WATER ENVIRONMENT

All the values were found to be within permissible limits

| Code           | PM 10 ( $\mu\text{g}/\text{m}^3$ ) |      |      |                | PM 2.5 ( $\mu\text{g}/\text{m}^3$ ) |      |      |                | SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ ) |     |     |                | NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ ) |     |      |                |
|----------------|------------------------------------|------|------|----------------|-------------------------------------|------|------|----------------|----------------------------------------------|-----|-----|----------------|----------------------------------------------|-----|------|----------------|
|                | Max                                | Min  | Avg  | 98 percentiles | Max                                 | Min  | Avg  | 98 percentiles | Max                                          | Min | Avg | 98 percentiles | Max                                          | Min | Avg  | 98 percentiles |
| AAQ 1          | 79.4                               | 56.8 | 68.4 | 78.8           | 37.6                                | 26.8 | 32.4 | 37.3           | 8.2                                          | 5.7 | 6.9 | 8.2            | 11.4                                         | 9.2 | 10.4 | 11.4           |
| AAQ 2          | 62.4                               | 49.6 | 56.3 | 62.2           | 29.5                                | 23.3 | 26.5 | 29.4           | 8.3                                          | 5.9 | 7.1 | 8.3            | 10.1                                         | 7.9 | 9.0  | 10.0           |
| AAQ 3          | 59.4                               | 48.6 | 52.7 | 58.8           | 27.6                                | 21.9 | 24.3 | 27.3           | 8.9                                          | 6.7 | 7.8 | 8.9            | 11.3                                         | 8.7 | 10.0 | 11.3           |
| AAQ 4          | 62.1                               | 50.7 | 56.3 | 61.7           | 30.3                                | 22.7 | 26.2 | 30.0           | 7.4                                          | 5.1 | 6.2 | 7.3            | 10.6                                         | 8.1 | 9.3  | 10.5           |
| AAQ 5          | 54.2                               | 43.9 | 48.6 | 53.5           | 25.6                                | 20.2 | 22.9 | 25.5           | 7.0                                          | 4.4 | 5.7 | 7.0            | 9.6                                          | 7.3 | 8.5  | 9.6            |
| AAQ 6          | 60.1                               | 47.2 | 52.9 | 59.7           | 28.0                                | 21.9 | 24.6 | 27.9           | 6.3                                          | 4.6 | 5.6 | 6.3            | 9.3                                          | 6.7 | 7.9  | 9.1            |
| NAAQ Standards | 100 ( $\mu\text{g}/\text{m}^3$ )   |      |      |                | 60( $\mu\text{g}/\text{m}^3$ )      |      |      |                | 80 ( $\mu\text{g}/\text{m}^3$ )              |     |     |                | 80 ( $\mu\text{g}/\text{m}^3$ )              |     |      |                |

| S. No. | Parameters                                 | W1            | W2            | W3            | W4            | W5            | W6            |
|--------|--------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1      | Odour                                      | Agreeable     | Agreeable     | Agreeable     | Agreeable     | Agreeable     | Agreeable     |
| 2      | Turbidity                                  | <1            | <1.0          | <1.0          | <1            | <1            | <1            |
| 3      | pH at 25 °C                                | 7.84          | 7.76          | 7.35          | 7.94          | 7.68          | 7.95          |
| 4      | Electrical Conductivity                    | 529.5         | 1672          | 1954          | 2078          | 1286          | 2025          |
| 5      | Total Dissolved Solids                     | 318           | 1005          | 1180          | 1250          | 772           | 1220          |
| 6      | Total hardness as CaCO <sub>3</sub>        | 176           | 360           | 392           | 425           | 236           | 390           |
| 7      | Calcium as Ca                              | 42.4          | 64.8          | 84.0          | 102           | 62.4          | 86            |
| 8      | Magnesium as Mg                            | 16.8          | 47.5          | 43.7          | 41.0          | 19.2          | 42.0          |
| 9      | Calcium as CaCO <sub>3</sub>               | 106           | 162           | 210           | 254           | 156           | 215           |
| 10     | Magnesium as CaCO <sub>3</sub>             | 70.0          | 198           | 182           | 171           | 80.0          | 175           |
| 11     | Total alkalinity as CaCO <sub>3</sub>      | 154           | 326           | 382           | 384           | 259           | 354           |
| 12     | Chloride as Cl <sup>-</sup>                | 70.5          | 365           | 397           | 408           | 272           | 370           |
| 13     | Free Residual chlorine as Cl <sup>-</sup>  | 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)  |
| 14     | Sulphates as SO <sub>4</sub> <sup>2-</sup> | 52.5          | 278           | 348           | 360           | 212           | 345           |
| 15     | Iron as Fe                                 | 0.06          | 0.12          | 0.09          | 0.15          | 0.07          | 0.06          |
| 16     | Nitrate as NO <sub>3</sub>                 | BDL(D.L-1.0)  | 2.87          | 5.24          | 5.65          | 4.79          | 6.33          |
| 17     | Fluoride as F                              | 0.16          | 0.48          | 0.59          | 0.62          | 0.44          | 0.63          |
| 18     | 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) |

### **1.6.3 NOISE ENVIRONMENT**

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

| DESCRIPTION      | ANL1 | ANL2 | ANL3 | ANL4 | ANL5 | ANL6 |
|------------------|------|------|------|------|------|------|
| DAY EQUIVALENT   | 52.2 | 50.1 | 49.2 | 48.0 | 45.2 | 49.5 |
| NIGHT EQUIVALENT | 39.7 | 38.4 | 42.0 | 41.2 | 37.6 | 43.4 |

### **1.6.4 SOIL ENVIRONMENT**

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

| S. No. | Parameters              | S1              | S2            | S3            | S4            | S5            | S6            |
|--------|-------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| 1      | pH at 25 °C             | 7.28            | 8.05          | 7.59          | 7.28          | 7.36          | 7.59          |
| 2      | Electrical Conductivity | 172.5           | 274.6         | 190.5         | 245.6         | 172.3         | 284.5         |
| 3      | Dry matter content      | 95.28           | 95.14         | 96.32         | 89.55         | 97.39         | 92.58         |
| 4      | Water Content           | 4.72            | 4.86          | 3.68          | 10.45         | 2.61          | 7.42          |
| 5      | Organic Matter          | 0.69            | 0.94          | 0.82          | 1.32          | 0.75          | 0.82          |
| 6      | Soil texture            | Silty Clay loam | Silty Clay    | Silty Clay    | Clay          | Silty Clay    | Silty Clay    |
| 7      | Grain Size Distribution |                 |               |               |               |               |               |
|        | i. Sand                 | 15.57           | 10.65         | 8.59          | 16.47         | 12.55         | 10.98         |
| 8      | ii. Silt                | 45.34           | 44.32         | 42.76         | 38.2          | 42.56         | 46.52         |
| 9      | iii. Clay               | 39.09           | 45.0          | 48.65         | 45.31         | 44.89         | 42.5          |
| 10     | Phosphorous as P        | 1.44            | 1.62          | 1.31          | 1.76          | 1.44          | 1.67          |
| 11     | Sodium as Na            | 305             | 325           | 346           | 498           | 530           | 422           |
| 12     | Potassium as K          | 572             | 660           | 732           | 895           | 970           | 638           |
| 13     | Total Nitrogen          | 256             | 405           | 146           | 208           | 244           | 306           |
| 14     | Total Sulphur           | 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) |
| 15     | Water Holding Capacity  | 41              | 38            | 40            | 44            | 42            | 40            |
| 16     | Porosity                | 18.6            | 19.4          | 18.20         | 16.9          | 18.5          | 17.9          |

### **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:

| <b>Sl.No.</b> | <b>LAND USE / LAND COVER</b> | <b>Area in Sq.Km</b> | <b>Area in Percentage</b> |
|---------------|------------------------------|----------------------|---------------------------|
| 1             | Built-up land                | 10.72                | 3.41                      |
| 2             | Crop land                    | 209                  | 66.52                     |
| 4             | Existing quarries            | 3.13                 | 1.20                      |
| 5             | Fallow land                  | 25.77                | 8.20                      |
| 6             | Hill and forest              | 10.41                | 3.31                      |
| 7             | Land with scrub              | 23.61                | 7.51                      |
| 8             | Land without scrub           | 13.35                | 4.24                      |
| 9             | Plantations                  | 2.09                 | 0.66                      |
| 10            | Salt Affected Land           | 5.29                 | 1.68                      |
| 11            | Water bodies                 | 10.29                | 3.27                      |
|               | <b>Total Area</b>            | <b>313.66</b>        | <b>100.00</b>             |

### **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 Thoramangalam, Neduvasal, Kavulpalyam, Perali and Kalpadi 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 Thuraimangalam which is about 3 Km from the lease area. Major schools with higher secondary and senior secondary schools are located in Kavulpalyam. Facilities like petrol pump stations, ATM facility are available in Thuraimangalam and Kavulpalayam.

#### **1.6.8 HYDROGEOLOGY OF THE LEASE AREA**

Marudhaiyaaru River is located at a distance of 1.20 km (SW) from 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 56m AGL. 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 56m AGL:. 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, 1.10.5 Ha of lease area will be left as rain water harvesting pond. 0.37.5 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 375 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 3 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 56m AGL, 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,

Tank – 1.12 km (SE), Thoramangalam Tank – 2.20 km (NW), Marudhaiyaaru River –1.20 km (SW)

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<sub>10</sub>, PM<sub>2.5</sub>. Other than these pollutants, gaseous emissions of sulfur dioxide (SO<sub>2</sub>) and oxides of nitrogen (NO<sub>x</sub>) 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 within 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 3,00,000 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 20.11 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 30 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 an 20.11 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

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# **ANNEXURE-1**

Rc.No.103/G&amp;M/2025, Dated:02.05.2025

Department of Geology & Mining,  
Collectorate,  
Perambalur - 621211**PRECISE AREA COMMUNICATION LETTER**

Sub: Mines and Minerals - Perambalur District - Rough Stone e-Tender cum auction conducted on 27.03.2025 under Tender ID: 2025\_CGAM\_525779\_1 - M/s. Perambalur Quality Minerals (BID ID:1274408) quoted highest Bid amount (H1) For the quarry listed in Serial Number 03 - Declared as H1 bidder - H1 Bid Amount remitted - Solvency Certificate submitted - Precise Area Communicated - Reg.

- Ref:
1. G.O.(Ms).No.21, Natural Resources (MMC.1) Department, Dated 31.07.2024
  2. Perambalur District Gazette(Extraordinary) Notification No.1, dated:18.02.2025.
  3. E-Tender published under Tender ID:2025\_CGAM\_525779\_1 in Tamil Nadu Governmente-tender portal.
  4. Notice issued by the Assistant Director of Geology and Mining, Perambalur in Rc.No.103/G&M/2025, dated:28.03.2025 (to remit 10% of highest bid amount)
  5. Remittance challan No. 20250329003319 dated:29.03.2025 submitted by M/s. Perambalur Quality Minerals (BID ID:1274408)
  6. Notice issued by the Assistant Director of Geology and Mining, Perambalur in Rc.No.103/G&M/2025, dated 01.04.2025 (to remit remaining 90% of the bid amount)
  7. Remittance challan No. 20250429002368 dated:29.04.2025 submitted by M/s. Perambalur Quality Minerals (BID ID:1274408)

\*\*\*\*\*

I invite your attention to the references cited above

Notice Inviting Tender (NIT) was published vide Perambalur District Gazette Extraordinary Notification No.1, dated.18.02.2025, inviting applications for grant of rough stone quarry leases in Government poramboke lands in Perambalur District through e-Tender cum Auction. Online tender was published in Tamil Nadu Government e-tender portal (<https://tntenders.gov.in/>) under Tender ID: 2025\_CGAM\_525779\_1 and e-Auction was conducted on 27.03.2025 for the bidders whos' bids were qualified technically and financially.

After Financial Evaluation, M/s. Perambalur Quality Minerals (BID ID:1274408) was declared as H1 bidder for the quarry listed in Serial Number 03 of the Gazette as the firm quoted highest bid amount of Rs. 4,05,00,000/- for the said quarry. The H1 bidder was directed to remit 10% of the Highest bid amount vide notice in the reference 4<sup>th</sup> cited and accordingly, the H1 bidder remitted 10% of the bid amount to a sum of Rs.



40,50,000/- and submitted remittance challan No.20250329003319 dated: 29.03.2025 to this office.

Subsequently, M/s. Perambalur Quality Minerals (BID ID:1274408) was directed to remit the remaining 90% of Highest bid amount after adjusting the Bid Security already paid by them within one month to Government head of account and to submit original remittance challan to this office. Accordingly, M/s. Perambalur Quality Minerals (BID ID:1274408) has remitted Rs.3,22,14,091/- after deducting Rs.42,35,909/- (the Bid Security amount already paid by the bidder) in Government account within one month and submitted remittance challans to this office.

The details of H1 Bidder for the quarry listed in Serial No.03 of the District Gazette, H1 Bid Amount offered and remittance of Bid amount by bidder are as follows.

|                                                                  |                                                                                                                     |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>1. Quarry Detail</b>                                          |                                                                                                                     |
| Serial No. in District Gazette No.01, dated 18.02.2025.          | 03                                                                                                                  |
| Taluk                                                            | Perambalur                                                                                                          |
| Village                                                          | Kalpadi(N)                                                                                                          |
| S.F.No.                                                          | 328/2 Block-35                                                                                                      |
| Extent                                                           | 1.50.0 Hectares                                                                                                     |
| Lease Period                                                     | 5 Years                                                                                                             |
| <b>2. H1 Bidder, Bid Amount Remittance</b>                       |                                                                                                                     |
| H1 Bidder                                                        | M/s. Perambalur Quality Minerals<br>(BID ID:1274408)<br>238/1A3, Arumadal Road,<br>Sengunam,<br>Perambalur - 621220 |
| H1 Bid Amount                                                    | Rs. 4,05,00,000/-                                                                                                   |
| 10% of H1 bid amount remitted                                    | Rs. 40,50,000/-<br>(Challan No. 20250329003319 dated:29.03.2025)                                                    |
| Bid Security (EMD) already remitted                              | Rs. 42,35,909/-                                                                                                     |
| 90% of bid amount paid after adjusting Bid Security already paid | Rs. 3,22,14,091/-<br>(Challan No. 20250429002368 dated:29.04.2025)                                                  |
| <b>3. Solvency Certificate Details</b>                           |                                                                                                                     |

The H1 Bidder, M/s. Perambalur Quality Minerals (BID ID: 1274408) has remitted entire H1 Bid Amount of Rs.4,05,00,000/- in Government account within one month as per sub- rule 16 of Rule 8 of the Tamil Nadu Minor Mineral Concession Rules, 1959.

Therefore, in exercise of the powers conferred under sub rule 17(a) of Rule 8 of the Tamil Nadu Minor Mineral Concession Rules, 1959, an extent of 1.50.0 hectares of Government land in S.F.No. 328/2 Block-35 of Kalpadi(N) Village, Perambalur Taluk and District as notified in Serial Number.03 of the Perambalur District Gazette (Extraordinary) Notification No.1, dated: 18.02.2025 is hereby fixed as Precise Area for



grant of permission to quarry Roughstone for a period of 5 years to M/s. Perambalur Quality Minerals (BID ID:1274408) , subject to the following conditions.

1. 10 meters safety distance should be left out for the adjacent Government lands.
2. The applicant shall not make any hindrance to the adjacent lands and public.
3. The applicant should submit approved Mining Plan, Environment Clearance, **and Consent to Establish (CTE) & Consent to Operate (CTO)** issued by competent authorities for grant of quarrying lease in the subject area.

The applicant M/s. Perambalur Quality Minerals (BID ID:1274408) is directed to submit draft Mining Plan for the above area within 90 days for the approval of the Assistant Director, Geology and Mining, Perambalur and to submit Environment Clearance obtained from SEIAA, Tamil Nadu and CTE & CTO issued by the Tamil Nadu Pollution Control Board subsequently for further Process.

**Encl:** Map showing the proposal lease area.

*[Signature]*  
Assistant Director,  
Geology and Mining,  
Perambalur.

To,  
M/s. Perambalur Quality Minerals  
(BID ID:1274408)  
238/1A3, Arumadal Road,  
Sengunam.  
Perambalur - 621220

Copy to:

1. The Chairman,  
SEIAA Level Environment Impact Assessment Authority,  
Panagal Maligai, Saidapet,  
Chennai.
2. The Commissioner of Geology and Mining, Chennai-32.

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GOVERNMENT OF TAMIL NADU  
2025



## PERAMBALUR DISTRICT GAZETTE

EXTRAORDINARY PUBLISHED BY AUTHORITY

PERAMBALUR, FEBRUARY 18, 2025

No. 1 ]

[ Maasi 06, Kurothi, Thiruvalluvar Aandu - 2056 ]

### NOTIFICATION BY THE COLLECTOR

(Rc. No.35 / G&M / 2022, Dated : 17-02-2025)

E-mail: (minespmb@gmail.com)

Notice Inviting Tender(NIT)

#### "Inviting Application for Grant of Roughstone Quarry Leases In Government Lands"

In exercise of the power conferred by Section 15 of Mines and Mineral (Development & Regulation) Act, 1957 and in accordance with the Rule 8 of the Tamil Nadu Minor Mineral Concession Rules, 1959 read with G.O. Ms. No.21, Natural Resources (MMC.1), 31st July 2024 as amended from time to time notified thereunder, the District Administration of Perambalur District, Tamil Nadu has identified 44 (Forty four) areas for Roughstone Quarries in Perambalur District as Indicated in the Annexure-I.

The E-tender with forward bidding will be conducted through online electronic platform with url address <https://tntenders.gov.in> and hereby invites applications for the said purpose.

Aspiring applicants can register themselves as bidders using their Digital Signature certificate on the portal <https://tntenders.gov.in> On Successful registration, bidders will obtain login ID and password necessary for submitting the application and for participation in the e-auction process. **Bidders Manual Kit** in the portal <https://tntenders.gov.in> provides with all requisite illustrations guiding through various stages of the e-auction process.

The terms and conditions of the e-auction process, details of application fee and bid security amount, detailed information regarding the notified areas, model affidavits to be uploaded in the technical bid are available in the detailed tender document, that can be downloaded free of cost in the portal <https://tntenders.gov.in>

Intending bidders are advised to visit the mentioned site regularly till closing date of E-auction for any corrigendum / addendum / amendment.

**Application Fee – Rs.5,000 (Non – Refundable) for each quarry**

Bid submission start date : 19-02-2025 from 10.00 hrs  
 Bid Submission end date : 22-03-2025 upto 16.00 hrs  
 Financial bid opening and live e-auction date : Will be intimated later on through Tamil Nadu e-Tender portal

**ANNEXURE – I****Tender File No.Rc.No.35/G&M/2022, Dated : 17-02-2025****List of Areas Identified in Government lands in Perambalur District of Tamil Nadu for Grant of Rough Stone Quarry Leases through e-Auction.**

| Sl. No. | Taluk      | Name of the Village | SF.No             | Extent in Ha | Land Classification                | Period of Lease |
|---------|------------|---------------------|-------------------|--------------|------------------------------------|-----------------|
| (1)     | (2)        | (3)                 | (4)               | (5)          | (6)                                | (7)             |
| 1       | Perambalur | Kalpadi(N)          | 328/2 Block 31    | 1.10.0       | Unassessed waste land - Malai      | 5               |
| 2       | Perambalur | Kalpadi(N)          | 328/2 Block 34    | 1.00.0       | Unassessed waste land - Malai      | 10              |
| 3       | Perambalur | Kalpadi(N)          | 328/2 Block 35    | 1.50.0       | Unassessed waste land - Malai      | 5               |
| 4       | Perambalur | Kalpadi(N)          | 328/2 Block 36    | 1.00.0       | Unassessed waste land - Malai      | 5               |
| 5       | Perambalur | Kalpadi(N)          | 328/2 Block 37    | 1.00.0       | Unassessed waste land - Malai      | 5               |
| 6       | Perambalur | Kalpadi(N)          | 328/2 Block 38    | 1.00.0       | Unassessed waste land - Malai      | 10              |
| 7       | Perambalur | Chatramanai         | 23 Part-1         | 1.10.0       | Unassessed waste land – Eli Kundru | 5               |
| 8       | Perambalur | Thurai mangalam     | 280/13A1 Block-8  | 1.00.0       | Unassessed waste land - Kundru     | 10              |
| 9       | Perambalur | Elambalur           | 27/1A (Block-1)   | 1.20.0       | Unassessed waste land - Malai      | 5               |
| 10      | Perambalur | Elambalur           | 27/1A, (Block-2)  | 1.80.0       | Unassessed waste land - Malai      | 10              |
| 11      | Perambalur | Elambalur           | 27/1A, (Block-3)  | 2.50.0       | Unassessed waste land - Malai      | 10              |
| 12      | Perambalur | Aranarai(N)         | 120/2A1A (Part-1) | 1.50.0       | Unassessed waste land - Kundru     | 10              |
| 13      | Perambalur | Aranarai(N)         | 120/2A1A (Part-2) | 1.50.0       | Unassessed waste land - Kundru     | 10              |
| 14      | Perambalur | Aranarai(N)         | 120/2A1A (Part-3) | 1.80.0       | Unassessed waste land - Kundru     | 5               |
| 15      | Perambalur | Sengunam            | 52/1(Part-1)      | 1.80.0       | Unassessed waste land - Malai      | 10              |
| 16      | Perambalur | Sengunam            | 52/1(Part-2)      | 1.40.0       | Unassessed waste land - Malai      | 10              |

PERAMBALUR DISTRICT GAZETTE EXTRAORDINARY



| Sl. No. | Taluk      | Name of the Village | SF.No          | Extent in Ha | Land Classification                 | Period of Lease |
|---------|------------|---------------------|----------------|--------------|-------------------------------------|-----------------|
| (1)     | (2)        | (3)                 | (4)            | (5)          | (6)                                 | (7)             |
| 17      | Perambalur | Sengunam            | 52/1(Part-3)   | 1.50.0       | Unassessed waste land - Malai       | 10              |
| 18      | Alathur    | Narana mangalam     | 300/1 Part     | 2.02.0       | Unassessed waste land - Malai       | 5               |
| 19      | Alathur    | Narana mangalam     | 324/1 Block-1  | 2.00.0       | Unassessed waste land - Kallankuthu | 5               |
| 20      | Alathur    | Nattar mangalam     | 195 Part       | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 21      | Alathur    | Nattar mangalam     | 258 Block-1    | 1.00.0       | Unassessed waste land - Malai       | 5               |
| 22      | Alathur    | Nattar mangalam     | 258 Block-2    | 2.00.0       | Unassessed waste land - Malai       | 5               |
| 23      | Alathur    | Padalur(E)          | 10/1 Block 1   | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 24      | Alathur    | Padalur(E)          | 10/1 Block 2   | 1.40.60      | Unassessed waste land - Kallankuthu | 10              |
| 25      | Alathur    | Padalur(E)          | 10/1 Block 3   | 1.40.0       | Unassessed waste land - Kallankuthu | 5               |
| 26      | Alathur    | Padalur(E)          | 10/1 Block 4   | 1.40.0       | Unassessed waste land - Kallankuthu | 5               |
| 27      | Alathur    | Padalur(E)          | 10/1 Block 5   | 2.10.0       | Unassessed waste land - Kallankuthu | 5               |
| 28      | Alathur    | Padalur(E)          | 10/1 Block 6   | 2.20.0       | Unassessed waste land - Kallankuthu | 10              |
| 29      | Alathur    | Padalur(E)          | 10/1 Block 7   | 1.30.0       | Unassessed waste land - Kallankuthu | 5               |
| 30      | Alathur    | Padalur(E)          | 10/1 Block 8   | 1.20.0       | Unassessed waste land - Kallankuthu | 5               |
| 31      | Alathur    | Padalur(E)          | 10/1 Block 9   | 1.20.0       | Unassessed waste land - Kallankuthu | 5               |
| 32      | Alathur    | Padalur(E)          | 10/1, Block-13 | 1.00.0       | Unassessed waste land - Kallankuthu | 5               |
| 33      | Alathur    | Padalur(E)          | 123 Block 1    | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 34      | Alathur    | Padalur(E)          | 123 Block 2    | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 35      | Alathur    | Padalur(E)          | 123 Block 3    | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 36      | Alathur    | Padalur(E)          | 123 Block 4    | 2.00.0       | Unassessed waste land - Kallankuthu | 5               |
| 37      | Alathur    | Padalur(E)          | 172 Block 1    | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |



## PERAMBALUR DISTRICT GAZETTE EXTRAORDINARY

| Sl. No. | Taluk         | Name of the Village | SF.No                  | Extent in Ha | Land Classification                 | Period of Lease |
|---------|---------------|---------------------|------------------------|--------------|-------------------------------------|-----------------|
| (1)     | (2)           | (3)                 | (4)                    | (5)          | (6)                                 | (7)             |
| 38      | Alathur       | Padalur(E)          | 172 Block 2            | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 39      | Alathur       | Padalur(E)          | 172 Block 3            | 1.50.0       | Unassessed waste land - Kallankuthu | 5               |
| 40      | Veppanthattai | Vengalam(E)         | 200/1B Part, Block-13  | 1.50.0       | Unassessed waste land - Malai       | 10              |
| 41      | Veppanthattai | Vengalam(E)         | 200/1C, Part, Block-1  | 1.40.0       | Unassessed waste land - Malai       | 10              |
| 42      | Veppanthattai | Vengalam(E)         | 200/1C, Part, Block-14 | 1.40.0       | Unassessed waste land - Malai       | 10              |
| 43      | Veppanthattai | Vengalam(E)         | 200/1C Part, Block-15  | 1.50.0       | Unassessed waste land - Malai       | 10              |
| 44      | Veppanthattai | Vengalam(E)         | 200/1C Part, Block-16  | 1.50.0       | Unassessed waste land - Malai       | 10              |

Perambalur,  
17<sup>th</sup> February 2025.

GRACE PACHUAU,  
District Collector.



# **ANNEXURE-2**

From

Thiru D.Bernard, M.Sc.,  
Assistant Director,  
Geology and Mining,  
Perambalur.

To

M/s. Perambalur Quality Minerals  
238/1A3, Arumadal Road,  
Sengunam,  
Perambalur - 621220

**Rc.No.103/G&M/2025,**

**Dated:17.06.2025**

Sir,

Sub: Mines and Minerals - Perambalur District - Rough Stone - e-Tender cum auction conducted for Roughstone quarries in Government lands - M/s. Perambalur Quality Minerals quoted highest Bid amount (H1) for the quarry in S.F.No. 328/2 (Block 35), OAE of 1.50.0 hectare in Kalpadi(North) Village, Perambalur Taluk - Declared as H1 bidder - H1 Bid Amount remitted - Precise Area Communicated - Draft Mining Plan submitted for approval - Approved - Reg.

Ref: 1. G.O.(Ms). No.21, Natural Resources (MMC.1) Department, Dated 31.07.2024.  
2. Perambalur District Gazette (Extraordinary) Notification No.1, dated:18.02.2025.  
3. Notice issued by the Assistant Director of Geology and Mining, Perambalur in Rc.No.103/G&M/2025, dated: 28.03.2025 & 01.04.2025.  
4. The Assistant Director, Geology and Mining, Perambalur Precise Area Communication letter Rc.No.103/G&M/2025, dated.02.05.2025.  
5. M/s. Perambalur Quality Minerals, letter dated. 12.05.2025.

\*\*\*\*\*

Tender cum Auction for grant of Roughstone quarries in Government lands notified in Perambalur District Gazette Extraordinary Notification No.1, dated.18.02.2025 was conducted through online as per Rule 8 of the Tamil Nadu Minor Mineral Concession Rules, 1959.

2) M/s. Perambalur Quality Minerals was declared as Highest Bidder for the quarry in S.F.No. 328/2 (Block 35), to an extent of 1.50.0 hectare in Kalpadi(North) Village, Perambalur Taluk & District and the lease period proposed for the subject quarry is 5(five) years. The Highest Bidder M/s. Perambalur Quality Minerals, remitted entire highest bid amount and other statutory documents in time in accordance with rules and in the reference, 4<sup>th</sup> cited, precise area was communicated to the firm with a request to submit Mining Plan for the approval of the Assistant Director, Geology and Mining, Perambalur District and Environmental Clearance obtained from SEIAA for further process.

3) Accordingly, in the reference 5<sup>th</sup> cited, the successful bidder has submitted Draft Mining Plan prepared by Qualified Person for the above area. The draft Mining Plan submitted by M/s. Perambalur Quality Minerals, has been scrutinized as per extant rules and guide lines / instructions issued by the Commissioner of Geology and Mining, Chennai in the letter Rc.No.3868/LC/2012 dated. 19.11.2012. The following observations were made in scrutiny.

- a. 10-meter safety distance is earmarked for the adjoining Government lands.
- b. The Geological reserve of Roughstone in the subject area has been assessed as 20,11,130 metric tonnes.
- c. The mineable reserve has been computed as 8,19,992.25 metric tonnes of Roughstone up to a depth of 66m (56m AGL+10m BGL).
- d. The lease period of the subject Roughstone quarry is 5(five) years and it has been proposed for the production of 8,19,992.25 metric tonnes of Roughstone up to a depth of 66m (56m AGL+10m BGL) in the mining plan in five years.
- e. The depth of water table in the subject area is reported as 70m BGL and workable depth has been proposed up to 10m BGL only in the mining plan. Hence, the quarrying operation will not affect the water table in the area.
- f. Drilling and blasting using jack hammers and shot hole blasting are proposed. Small dia, 25mm slurry explosives are proposed to be used for shattering and heaving effect for removal and winning of Roughstone. No deep hole drilling or primary blasting is proposed.
- g. It has been proposed to adopt controlled blasting measures for minimizing ground vibration and fly rocks.
- h. Machineries like Tractor mounted compressor attached with Jack hammers, excavators with rock breaker attachment are proposed for quarrying operation. Trucks of 25/30 MT capacity are proposed for transportation.

4) The Mining Plan is prepared in accordance with the guidelines / instructions issued and tallies with the field conditions. The special conditions imposed in the precise area communication letter have been incorporated in the Mining Plan. Therefore, the draft mining plan is hereby approved subject to the following conditions.

- i. That the Mining Plan is approved without prejudice to any other laws applicable to the quarry area from time to time whether made by the Central Government, State Government or any other authority.
- ii. That 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 (Regulations and Development) Amendment Act 2015 or Mineral (other than Atomic and Hydrocarbon Energy Minerals) concession Rules 2016, or Tamil Nadu Minor Mineral Concession Rules, 1959 or any other laws including

Forest (Conservation) Act 1980, Forest Conservation Rule, 1981, Environment Protection Act, 1980 and the rules made there under.

- iii. That the Mining plan is approved without prejudice to any other order or directions from any court of competent jurisdiction.
- iv. That the approval of Mining Plan does not confer any rights for the renewal of quarry lease.
- v. The approval is valid up to the subsistence of the lease period only.

**Encl:** 2 copies of approved Mining Plan.

  
Assistant Director,  
Geology and Mining,  
Perambalur.

Copy to:

1. The Chairman,  
SEIAA Level Environment Impact Assessment Authority,  
PanagalMaligai,  
Saidapet, Chennai.
2. The Commissioner of Geology and Mining, Chennai-32.



# **ANNEXURE-3**

From

To

Thiru D.Bernard, M.Sc.,  
Assistant Director,  
Dept of Geology and Mining,  
Perambalur.

M/s. Perambalur Quality Minerals  
238/1A3, Arumadal Road,  
Sengunam,  
Perambalur – 621220.

**Rc.No.103/G&M/2025**

**Dated: 24.06.2025**

Sub: Mines and Minerals - Perambalur District - Rough Stone - e-Tender cum auction conducted for Roughstone quarries in Government lands – M/s. Perambalur Quality Minerals quoted highest Bid amount (H1) for the quarry in SF.No. 328/2 (Block 35), OAE of 1.50.0 hectare in Kalpadi (North) Village, Perambalur Taluk –Declared as H1 bidder – H1 Bid Amount remitted – Precise Area Communicated – Draft Mining Plan submitted for approval - Details of quarries situated within 500 mts radial distance requested – furnished - Reg.

- Ref:
1. G.O.(Ms). No.21, Natural Resources (MMC.1) Department, Dated 31.07.2024.
  2. Perambalur District Gazette (Extraordinary) Notification No.1, dated:18.02.2025.
  3. Notice issued by the Assistant Director of Geology and Mining, Perambalur in Rc.No.103/G&M/2025, dated: 28.03.2025 & 01.04.2025.
  4. The Assistant Director, Geology and Mining, Perambalur Precise Area Communication letter Rc.No.103/G&M/2025, dated 02.05.2025.
  5. M/s. Perambalur Quality Minerals, letter dated. 12.05.2025.

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The applicant M/s. Perambalur Quality Minerals, Perambalur in the reference 5<sup>th</sup> cited has requested to provide the details of quarries situated within 500 mts radius distance from the proposed lease area.

Hence the details of existing quarries situated within 500 mts radial distance from the subject area are furnished as follows,

**1)Existing quarries:**

| Sl. No | Name of the Owner                                                                                                | Taluk / Village                     | S.F.Nos.                | Extent | GO. No                                             | Lease Period                                         | Remarks |
|--------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------|--------|----------------------------------------------------|------------------------------------------------------|---------|
| 1.     | Thiru.N.Premkumar,<br>S/o. Narayanasamy,<br>No. 144/2, East<br>Street,<br>Venkatramanapuram,<br>Ariyalur-621 705 | Kalpadi<br>(North),<br>Perambalur   | 328/2<br>(Block-<br>28) | 1.00.0 | Rc.No.129<br>/G&M/20<br>19 dated<br>23.06.202<br>1 | 5 years<br>From:<br>30.06.2021<br>To :<br>29.06.2026 | Working |
| 2.     | Thiru.C.MURUGESAN<br>S/o.Thiru.Chinnappa<br>n, Kaliyamman Nagar,<br>Kavulpalayam,<br>Perambalur.                 | Kalpadi<br>(N),<br>Perambalur Taluk | 328/2<br>(Block-<br>24) | 1.00.0 | Rc.No.128<br>/G&M/20<br>19 dated<br>30.12.202<br>1 | 5 years<br>From:<br>30.12.2021<br>To :<br>29.12.2026 | Working |

|    |                                                                                                                                        |                                     |                     |        |                                                |                                                        |         |
|----|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|--------|------------------------------------------------|--------------------------------------------------------|---------|
| 3. | Sri Vinayaka Minerals,<br>No.9, 5th street,<br>Nandanam Extension,<br>Chennai.600035                                                   | Kalpadi<br>(N),<br>Perambalur Taluk | 328/2<br>(Block-8)  | 2.00.0 | Rc.No.125<br>/G&M/20<br>19 dated<br>04.01.2022 | 5 years<br>From:<br>04.01.2022<br>To :<br>03.01.2027   | Working |
| 4. | M/s. SS Mines and Minerals,<br>No.1/189-A, 5th street, Vasan city,<br>Somarasampettai,<br>Srirangam Taluk,<br>Trichy District-620 102. | Kalpadi,<br>Perambalur Taluk        | 328/2<br>(Block-17) | 1.00.0 | Rc.No.126<br>/G&M/20<br>19 dated<br>05.07.2022 | 5 years ,<br>From:<br>05.07.2022<br>To :<br>04.07.2027 | Working |
| 5. | Thiru.K.Gunasekaran ,<br>S/o. krishnasamy,<br>No.97,<br>Venkadajalapathi Nagar, New Bus stand, Perambalur District                     | Kalpadi,<br>Perambalur Taluk        | 328/2<br>(Block-4)  | 1.00.0 | Rc.No.123<br>/G&M/20<br>19 dated<br>05.07.2022 | 5 years ,<br>From:<br>05.07.2022<br>To :<br>04.07.2027 | Working |
| 6. | Thiru.S.Elumalai,<br>s/o. Sengodan,<br>Naranamangalam,<br>Alathur Taluk,<br>Perambalur 621 109                                         | Kalpadi<br>(N),<br>Perambalur Taluk | 328/2<br>(Block-6)  | 1.00.0 | Rc.No.124<br>/G&M/20<br>19 dated<br>22.08.2022 | 5 years ,<br>From:<br>22.08.2022<br>To :<br>21.08.2027 | Working |

## 2)Proposed quarries:

| Sl. No | Name of the Owner                                                                                                    | Taluk / Village | S.F.Nos.          | Extent | Lease Period | Remarks            |
|--------|----------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|--------|--------------|--------------------|
| 1.     | M/s. Perambalur Quality Minerals<br>238/1A3, Arumadal Road,<br>Sengunam,<br>Perambalur - 621220                      | Kalpadi(N)      | 328/2<br>Block 35 | 1.50.0 | -            | Instant Proposal   |
| 2.     | M/s.Kavery Stone Crusher<br>110/1B, Maruvathur Main Road,<br>Perali Village,<br>Kunnam Taluk,<br>Perambalur - 621708 | Kalpadi(N)      | 328/2<br>Block 31 | 1.10.0 | -            | Presently Proposed |
| 3.     | M/s. R R M Transport<br>1/303, Ariyalur Main Road,<br>Kavulpalayam,<br>Perambalur - 621220.                          | Kalpadi(N)      | 328/2<br>Block 36 | 1.00.0 | -            | Presently Proposed |
| 4.     | M/s. GKP Transports<br>174C, 1st Main Road,<br>New Colony,<br>Thuraimangalam,<br>Perambalur - 621220.                | Kalpadi(N)      | 328/2<br>Block 37 | 1.00.0 | -            | Presently Proposed |

|    |                                                                                                                           |                              |                  |        |   |                    |
|----|---------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------|--------|---|--------------------|
| 5. | M/s. Sri Rajakaliamman Mines and Minerals<br>2/151, Kaliyamman Nagar, Kavulpalayam, Thurai mangalam, Perambalur – 621220. | Perambalur / Kalpadi (North) | 328/2 (Block 34) | 1.00.0 | - | Presently Proposed |
| 6. | M/s.C.Kamarajrajashree Mines and Minerals<br>262/1, Trichy Main Road, Thavuthaikulam, Ariyalur – 621705                   | Kalpadi(N)                   | 328/2 Block 38   | 1.00.0 | - | Presently Proposed |

### **3) Expired quarries**

| Sl. No | Name of the Owner                                                                                                                            | Taluk / Village    | S.F.Nos.        | Extent | Lease Period                                      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|--------|---------------------------------------------------|
| 1.     | Thiru.D.Madhubalan,<br>S/o.Duraisamy,<br>No.2/29, Mariyamman Koil Street, Kai.Kalathur Post, Veppanthattai Taluk, Perambalur District-621117 | Kalpadi (N) / Pblr | 328/2 (Block-3) | 1.00.0 | 5 years<br>From<br>28.11.2018<br>to<br>27.11.2023 |

### **4) Abandoned quarries:**

| Sl. No | Name of the Owner | Taluk /Village | S.F.Nos. | Extent | Lease period |
|--------|-------------------|----------------|----------|--------|--------------|
| Nil    |                   |                |          |        |              |

  
 Assistant Director,  
 Geology and Mining,  
 Perambalur