Pre-Feasibility Report of
Magnesite Mine

LOCATION OF THE MINE

S.F.Nos. 77
Kondappanaickenpatty Village,
Salem Taluk,
Salem District,
Extent: 2.57.0Ha

LESSEE
G. Pasupathi
(Proprietor of M/s. Sudharshaan Mining Corporation),
S.F.No.77, Kuduvampatti Road,
Kondappanaickenpatty,
Kannankurichi (PO),
Salem Taluk & District – 636008

Consultant

GEO EXPLORATION AND MINING SOLUTIONS
Old No. 260-B, New No. 17,
Advaitha Ashram Road,
Alagapuram, Salem – 636 004
Tamilnadu, India.

An Accredited Organization under
Quality Council of India – National Accreditation Board for Education & Training, New Delhi
1. **EXECUTIVE SUMMARY**

The Scheme of Mining Plan for Kondappanaickenpatty Magnesite Mine is situated Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamilnadu State. The mine lease has been granted in favor of G. Pasupathi (Proprietor of M/s. Sudharshaan Mining Corporation), for a period of twenty years under proceedings No. **G.O. (3D). 65 Industries (MMB-2) Department dated 02.08.1996** issued by Commissioner and Director of Geology and Mining (Enclosed Annexure No. II). This Scheme of Mining along with Form-1 & Prefeasibility report is prepared to submission for Environmental clearance from MoEF, to obtained consent for Establishment and Consent for operation from TNPCB.

**SALIENT FEATURES OF THE PROJECT**

<table>
<thead>
<tr>
<th>S.NO</th>
<th>PARTICULAR</th>
<th>DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name of the Company</td>
<td>G. Pasupathi (Proprietor of M/s. Sudharshaan Mining Corporation),</td>
</tr>
<tr>
<td>2</td>
<td>Type of Project</td>
<td>Magnesite Mine</td>
</tr>
<tr>
<td>3</td>
<td>Location of the Mining</td>
<td>Survey Nos. 77, Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamilnadu State.</td>
</tr>
<tr>
<td>4</td>
<td>Mining lease area</td>
<td>2.57.0Ha</td>
</tr>
<tr>
<td>5</td>
<td>Latitude</td>
<td>11°43.365’N</td>
</tr>
<tr>
<td>6</td>
<td>Longitude</td>
<td>78°10.131’ E</td>
</tr>
<tr>
<td>7</td>
<td>Topo sheet No.</td>
<td>58 -I/02</td>
</tr>
<tr>
<td>8</td>
<td>Type of land Patta/forest/PWD</td>
<td>It is a Patta land - Non forest</td>
</tr>
<tr>
<td>9.</td>
<td>Production Capacity</td>
<td>Description</td>
</tr>
<tr>
<td>----</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geological resources</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mineable Reserves</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Year wise Reserves</td>
</tr>
</tbody>
</table>

10. Life of Mine
Mines lease period is twenty years.
The first scheme of mining is prepared to submission for a period of five years (2016 – 17 to 2020 -21).

11. Method of Mining
Mining operation is proposed to be carried out by fully Mechanized Opencast Method of hydraulic excavation with Rock breaker and Neither drilling nor blasting with proposed benches are 4m height and 6m width with 60º slope.

12. Ultimate depth of Mining
The mining operation is proposed up to depth for 27m.

13. Top soil & overburden (quantity in m³)
There is no topsoil.

14. Ground water level
The depth of water table is around 43m (43m during summer season and 40m during rainy season).

15. Nearest habitation
Kondappanaickenpatty – 0.5km – S

16. Nearest Town
Salem - 7km- SW

17. Nearest Railway station
Salem Railway station – 8km – SW

18. Nearest Airport
Salem Airport - 13km - NW

19. Nearest National Highways & State Highways
NH-7 - Kanniyakumai – Bangalore – 7km - Southwestern side.
SH188- Salem – Yercaud – 1km- Southeastern side.

20. Nearest Hospital
Salem - 7km- SW
21. Aerial distance to the nearest Eco sensitive areas, CRZ, forest, wildlife sanctuary, Interstate boundary, critically polluted area if the mining site is within 500m of these areas. More than 500m from Eco sensitive areas, CRZ, forest, wildlife sanctuary, Interstate boundary, critically polluted area.

22. Details of other mines for a radius of 500m around the mining site. There are few mines within the radius of 500m.

23. Man power. About 23 employees.

24. Water requirement & source. Total water requirement for 1.0KLD from water vendors & existing bore well.

25. Cost of the project. The Project cost:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Asset cost</td>
<td>Rs. 7,14,000/-</td>
</tr>
<tr>
<td>Operational cost</td>
<td>Rs. 17,00,000/-</td>
</tr>
<tr>
<td>EMP cost</td>
<td>Rs. 67,500/-</td>
</tr>
</tbody>
</table>

**Total Project cost = Rs. 24,81,500/-**


Kapputhi RF & Nagarmalai RF is situated 2kms away from the NE & SW side of the area.
Kannankurichi puthu Eri is situated 3km away from the South eastern side of the area.
Kannankurichi Lake is situated 4km away from the South eastern side of the area.
Thirumanimutharu River is flow about 5km away from the Southeastern side.
There is no HACA region within the radius of 15km.
There is no Western Ghats region within the radius of 15km.
There is no interstate boundary within the radius of 15km.
There is no CRZ within the radius of 15km.
There are no Bird sanctuaries, wildlife sanctuaries and National park as Act 1972, within the radius of 15kms.
The following information provided by the applicant

I have applied for Environmental Clearance for Magnesite mining lease for Mining of Kondappanaickenpatty in S.F. Nos: 77 for over an extent of **2.57.0Ha** in Kondappanaickenpatty Village, Salem Taluk and Salem District.

I swear to state and confirm that within 10km area of the mining site, I have applied for environmental clearance; none of the following is situated.

Protected areas notified under the wild life (Protection) Act, 1972

Critically polluted areas as notified by the central pollution control board constituted


Eco-Sensitive areas as notified

Interstate boundaries and international boundaries within 5km radius from the boundary of the proposed site.

There are few quarries within the radius of 500m radius from periphery of the proposed mining site details as shown in affidavit.

There will not be any hindrance or disturbance to the people living no enroute / nearby our mining site while transporting the mineral our material and due to mining activities.

Few habitation / Villages are located within 500m radius from the periphery of mining area.

I swear that Afforestation will be carried out during the course of mining operation and maintained.

The required insurance will be taken in the name of the labourers working in mining site.

Approach road belongs to local panchayat only and no other private patta roads encountered.

I will not engage any child labour in our mine site and I aware that engaging child labour is punishable under the law.

All types of safety / protective equipment will be provided to all the labourers working in mining area.

No permanent structures, temples etc., are located within 500m radius from the periphery of mining area.
2.0 INTRODUCTION OF THE PROJECT OR BACKGROUND INFORMATION

(i) Identification of project and project proponent. In case of mining project, a copy of mining lease/letter of intent should be given

<table>
<thead>
<tr>
<th>Identification of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of the Project</td>
</tr>
<tr>
<td>Lease area</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Location</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Project Proponent Name with Address

G. Pasupathi,

(Proprietor of M/s. Sudharshaan Mining Corporation),

S.F.No.77, Kuduvampatti Road,

Kondappanaickenpatty,

Kannankurichi (PO),

Salem Taluk & District – 636008

Mobile No: 97901 83838

Email id: infogeoexploration@gmail.com

In case of mining project, a copy of mining lease/letter of intent should be given

I. The Mining lease was granted under proceedings No. G.O. (3D). 65 Industries (MMB-2) Department dated 02.08.1996.

II. The Scheme of Mining Plan was approved by the Regional controller of mines, Indian Bureau of Mines, Chennai vide Letter. No: TN/SLM/MG/MS/1349.MDS, dated 29.03.2016.
(ii) **Brief description of nature of the project**

The Mining is fully Mechanized Opencast Method of hydraulic excavation with Rock breaker proposed by the formation of benches. Seven benches are proposed on the mineral to form at 4m height and 6m width with 60° slope.

Magnesite deposit is structurally controlled by the presence of cracks and fissures, occurs as veins traversing dunite and peridotites. The cryptocrystalline variety of magnesite associated with secondary silica occurring as irregular veins ranging in thickness from a fraction of a cm to as much as 1.5m. The magnesite deposit has emplaced as veins in the ultra-basic rocks, which are intruded parallel to the regional foliation trend of the gneisses as discussed above. While the thicker magnesite veins are trend in northeast – southwest direction, the smaller vein lets runs continuously spreading in all possible directions. The mine lease area is 2.57.0Ha; the life of mine is twenty years.

The total quantity of Mineable reserves of Magnesite (6%) of ROM is about **12716Ts** and the total waste is about **19925Ts** Mineral Rejects @94% of ROM is up to depth of **40m** for the entire life of mine.

The proposed quantity of Magnesite (6%) of ROM mining for during this mining period (as in the scheme of mining plan) would be about **12716Ts** and the total waste is about **19925Ts** Mineral Rejects @94% up to depth of **27m** for a period of next five years.

The mineral rejects is calculated as 94% of ROM. This include fragments, chips, etc., the quarried waste would be generated and proposed to be backfilling on the eastern side of the lease area (before that Eastern side of the pit will be exploited to the ultimate pit level). Water requirement for the proposed project for drinking purpose, dust suppression and afforestation would be around 1.0KLD which will be taken from nearby villages.

(iii) **Need for the project and its importance to the country and or region**

The minerals of Magnesite are used in various forms in various industries to manufacture various products. High Grade Magnesite is used in refractory industry and low grade magnesite used in fertilizer industry.

This project will give employment opportunities to 23 members directly and 10 members indirectly, besides this Magnesite is well known in the international supermarket which will fetch a good foreign exchange to the nation.
Mineral Industries of the state of Tamilnadu provides employment opportunities for the people of the state as well as in the specific project area. The Mining is one among the major core sector industries which plays a vital process of country’s economic development and foreign exchange.

**Demand and supply gap**

Magnesite is one among the most used in various industries to manufacture different kind of product. The demand of Magnesite is ever growing with the growth of refractory furnaces and fertilizer industries.

The mineral is widely used in fertilizer product and suitable industries. The requirement for the mineral is very high in the nearby cities and towns.

**Imports vs indigenous production**

There is no import of Magnesite at present in India. India especially the peninsular India (southern India) has good resource of Magnesite and has a great demand in the international supermarket. Indigenous Magnesite almost shares more than 50% requirement in the world.

**Export Possibility**

There are many possibilities for export the Magnesite to foreign countries especially to Japan, Malaysia etc., as the Indian Magnesite is one of the mostly important industries in the world. All the international Magnesite players are in the requirement for industries either domestic or exports. Hence there is a bright possibility for export of Magnesite most of the industries.

**Domestic/Export Markets**

The lessee after will fetch a good domestic market as mentioned earlier. The lessee does not have any other mines in Tamilnadu. It is propose to sell Magnesite to industries and domestic markets. Magnesite is mainly used in fertilizer industries and suitable refractory furnace industry.
(viii) Employment Generation (Direct and Indirect) due to the project

It is proposed to deploy about 23 employees directly and indirectly about 6 people will be benefited from the nearby local villages.

The above man power is adequate to meet out the production schedule and the machinery strength envisaged in the plan and also to comply with the stationary provisions of mining safety regulation.

*It is been ensured that the labors will not be deployed less than 18 years, No Child labors will engaged or entertained for any kind of mining operations. All the labors engaged for mining operations will be insured till the end of life of mine.*

### 3.0 PROJECT DESCRIPTION

(i) Type of project including interlinked and interdependent projects, if any

This is a mining project for production of mine deposit at proposed production is about @ 22% of ROM **12716T**s Magnesite no other allied actions like processing and polishing is proposed in this project.

(ii) Location (map showing general location, specific location, and project boundary & project site layout) with coordinates

- The area is located in S.F.Nos. 77, Kondappanaickenpatty Village, Salem Taluk and Salem District.
- The entire mining lease area falls in the Patta land with lease area is exhibits slightly undulated terrain.
- The Altitude of the area is above **331m** MSL.
- The area is mentioned in GSI Topo sheet No. **58 -1/02**
- The Latitude between of **11°43.365’N**
- The Longitude between of **78°10.131’ E** on WGS 1984 datum.
**Location Map of the Project Area with Co-Ordinates**

- **Location:**
  - Village: Kondappanaickenpatty
  - Taluk: Salem
  - District: Salem
  - Latitude: 11° 43.365’N
  - Longitude: 78° 10.131’E
DRAWING SHOW THE SURFACE PLAN WITH CO-ORDINATES
DRAWING SHOW THE ENVIRONMENTAL PLAN
(iii) Details of alternate sites considered and the basis of selecting the proposed site, particularly the environmental considerations gone into should be highlighted

The opencast fully mechanized mining is proposed in the area for excavation of Magnesite with 27m depth. The Mine is proposed in the lessee’s own patta land hence alternate site for this project is not considered. The project is site specific.

(iv) Size or magnitude of operation

The total area of the project is about 2.57.0 Ha. It is proposed for production (6%) of ROM is about 12716Ts Magnesite by open cast fully mechanized mining by deploys neither drilling nor blasting, hydraulic Excavator loading of Magnesite from pithead to Customer and various industries.

(v) Project description with process details (a schematic diagram/flow chart showing the project layout, components of the project etc. should be given)

Details regarding topography, Geology of the area, Method of mining, Machineries required and production details area given below:

Physiography

The area is slightly undulated terrain. The general drainage pattern of the area is of dendritic pattern. The lease area is a dry land. Only seasonal cultivation is done. In some areas agriculture is done with drift irrigation. Water table is found at a depth of 43m during summer and 40m during rainy season. The area exhibits a subtropical climate and the temperature that goes up to 33°C in summer and falls down to 22°C in December – January. The wind direction is NE-SW and vice-versa. Average annual rainfall is about 850mm in northeast monsoon. The altitude of the area is about 331m (Max) above MSL.

Geology of the area

The Chalk Hills area which is covered in Topo Sheet No. 581/1 & 581/2 and located at the foot hills of Shevaroys at a distance of about 10km northeast of Salem. Due to weathering of the ultramafic outcrops, the magnesite veins are exposed at the surface, gives the appearance of Chalk hills at the first look, hence misnamed as the Chalk Hills. The Magnesite belt comprises of two large ultra mafic – intrusive of dunite, peridotite and pyroxenite and magnesite ore emplaced as veins on E?NE – WSW direction parallel to the regional foliation trend of the gneissed in which they are intruded. The northern belt is with an area of 14.4 sq.km and southern belt with an area of 2.8sq.km occupying the Chalk hills region. A part from the occurrence of magnesite noticed occasional Chromite.
Magnesite deposit is structurally controlled by the presence of cracks and fissures, occurs as veins traversing dunite and peridotites. The cryptocrystalline variety of magnesite associated with secondary silica occurring as irregular veins ranging in thickness from a fraction of a cm to as much as 1.5m. The magnesite deposit has emplaced as veins in the ultra-basic rocks, which are intruded parallel to the regional foliation trend of the gneisses as discussed above. While the thicker magnesite veins are trend in northeast – southwest direction, the smaller vein lets runs continuously spreading in all possible directions.

The ultra-basics like dunites and peridotites reacted with CO$_2$ bearing solution which gives rise to alteration and precipitation of magnesite deposited in the cracks and fissures of the surrounding ultra basics with the excessive liberation of free silica. The ultra basics do not show any definite trend of foliation or banding indicating that there were no deformations succeeding the emplacement of the ore. Even though most of the veins are massively occurring although angle or vertical with thickness of more than 15cms. Lens like veins and stringers of veins network with thickness of a fraction of a cum ramifying through the rock are found quite commonly. Silica in the form of SiO$_2$ is the main impurity that determines the grade and quality of the ore.

**The physical attitude of the Magnesite is demarked as follows:**

- **Strike length (m)**: 155m
- **Width (m)**: 195 (Average)
- **Depth (m)**: 40 (for proved UNFC 111)
- **Strike direction**: NE-SW
- **Dip amount and direction**: $80^0$ due southeast

The area was surveyed in detail to prepare a Geological map in the scale of 1:1000 showing the various formations and attitude of the deposit. It is inferred that the Magnesite mineral is of Refractory grade and in form vein running NE-SW with dip $80^0$SE. Recovery of minerals is estimated as 6% (Magnesite @6%) and mined waste as 94% of the total excavation of the ore body. The recovery percentage is based on the knowledge gained from the working mines in this belt, by the field tests carried out in the lease area and analysis done in NABL Laboratories.
**Method of Mining.**

Mining would be carried out by the opencast method of working. Since the daily rate of production is very limited, no heavy earth moving machinery is required. The Mining operation would be done in a systematic way by forming benches with all safety aspects as stipulated in the Mines Act, Mines Rules and Metalliferous Mines Regulations. Machineries like Rock Breaker, is proposed for development activities. Neither drilling nor blasting is carried out. By developing the benches at 4m height and 6m width. The mine would be operated with hydraulic excavation with one shift only.

**Open Cast Working**

It is proposed to carry out mining operation by fully mechanized open cast method.

It is proposed to start mining of Magnesite carried out in the west and centre portion of the mining lease area, starting from southwest and progress towards the northeastern side of the lease area, to a maximum depth of about 27m from RL 331.0m to RL 304.0m during this scheme period. There is one existing pit and its dimension is [170m (max) x 120m (avg) x 25m (d) (max)]. There is no topsoil occurs.

In this Magnesite mine deposit, the bench is 4m width and 6m height with 60° slope.

Proper footpaths will be provided between benches for easy accessibility of men to the lower level of the mine. A safety distance of 7.5m will be maintained from the boundary barrier and 50mts safety distance will be maintained for nearby patta lands.
Machinery Required:

I. Loading

<table>
<thead>
<tr>
<th>S.No</th>
<th>Type</th>
<th>Nos</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Hydraulic Excavator Attached with breaker</td>
<td>1</td>
</tr>
</tbody>
</table>

II. Transport Equipment

<table>
<thead>
<tr>
<th>S.No</th>
<th>Type</th>
<th>Nos</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Comet Tipper</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Leyland trucks</td>
<td>1</td>
</tr>
</tbody>
</table>

Manpower requirement:

The tentative man power required for the proposed Magnesite Mine shall be as follows.

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>NO’S</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXISTING MANPOWER</td>
<td></td>
</tr>
<tr>
<td>Mining Engineer (Part time)</td>
<td>1</td>
</tr>
<tr>
<td>Mines Office clerk (full time)</td>
<td>1</td>
</tr>
<tr>
<td>SKILLED LABOUR</td>
<td></td>
</tr>
<tr>
<td>Mate /Supervisor</td>
<td>1</td>
</tr>
<tr>
<td>SEMI SKILLED</td>
<td></td>
</tr>
<tr>
<td>Driver</td>
<td>5</td>
</tr>
<tr>
<td>UN-SKILLED</td>
<td></td>
</tr>
<tr>
<td>labours</td>
<td>15</td>
</tr>
<tr>
<td>TOTAL</td>
<td>23</td>
</tr>
</tbody>
</table>

Year wise development and production details for the present period.

The year wise (2016 – 17 to 2020 -21) quantum of work proposed and the details of estimation of production quantity and generation of waste are furnished below:

<table>
<thead>
<tr>
<th>Year</th>
<th>ROM (Ts)</th>
<th>Magnesite @ 6%(Ts)</th>
<th>Mineral rejects (94%) Ts of ROM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-17</td>
<td>47070</td>
<td>2824</td>
<td>44246</td>
</tr>
<tr>
<td>2017-18</td>
<td>45136</td>
<td>2708</td>
<td>42428</td>
</tr>
<tr>
<td>2018-19</td>
<td>39593</td>
<td>2376</td>
<td>37217</td>
</tr>
<tr>
<td>2019-20</td>
<td>41278</td>
<td>2477</td>
<td>38801</td>
</tr>
<tr>
<td>2020-21</td>
<td>38865</td>
<td>2332</td>
<td>36533</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>211942</strong></td>
<td><strong>12716</strong></td>
<td><strong>199225</strong></td>
</tr>
</tbody>
</table>

(vi) Raw material required along with estimated quantity, likely source, marketing area of final products, Mode of transport of raw Material and Finished Products

This is a mine project for exploiting Magnesite; hence, there is no requirement for raw material. These Magnesite will be transported directly by industries to various destinations as per the customer requirement.
**Uses:**

Magnesite is widely used in many large-scale applications related to refractory furnace industries, Fertilizer industries.

(vii) **Resource optimization/recycling and reuse envisaged in the project, if any, should be briefly outlined**

No optimization/Recycling and Reuse envisaged in the proposed Magnesite mine.

(viii) **Availability of water its source, Energy/power requirement and source should be given**

This Mining project does not require huge water for the project. The total water requirement in the mine will be around 1.0 KLD for drinking, sprinkling and afforestation. Potable drinking water will be brought from private suppliers; the rain water will be collected and used for the Green belt development.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Quantity</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking &amp;</td>
<td>0.2 KLD</td>
<td>Packaged drinking water will be brought from nearby approved water vendors.</td>
</tr>
<tr>
<td>Domestic purpose</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dust suppression</td>
<td>0.4 KLD</td>
<td>From existing borehole</td>
</tr>
<tr>
<td>Green belt</td>
<td>0.4 KLD</td>
<td>From existing borehole</td>
</tr>
<tr>
<td>Total</td>
<td>1.0 KLD</td>
<td></td>
</tr>
</tbody>
</table>

**Energy**

Electricity for Mines office and Lights only at nights (working is restricted on day time only between 9Am to 5Pm). Diesel (HSD) will be used for mining machineries around 169552 Liters of HSD will be used for the entire project life. Diesel will be brought from nearby diesel pumps. No power is required for the project. Lightings on the Night will be taken from nearby electric poles after obtaining permission from concerned authorities.

1. **For Magnesite:**

Per hour Excavator will consume = 16 liters / hour
Per hour Excavator will excavate = 20m$^3$ of Magnesite
For 211942m$^3$ = 211942/20 = 10597 hours
Diesel consume 10597 working hours = 10597 hours x 16 liters
Total diesel consumption = 169552 Liters of HSD will be utilized for Magnesite
Total diesel consumption is around = 169552 Liters of HSD for this entire period of life.
The mineral rejects is proposed to be backfilling on the eastern side of the lease area (before that Eastern side of the pit will be exploited to the ultimate pit level) with dump dimension is 88m X 50m X 17.5m (h). It is proposed to backfill when the mine reaches the ultimate pit limit or at the end of the life of mine.

**Waste water.**

There will not be any process effluent generation from the mine lease area. Domestic effluent from the mines office is discharged in septic tank and soak pit. There is no toxic effluent expected to generate in the form of solid liquid and gases and the no requirement of treatment of waste.

**Schematic representations of the feasibility drawing which give information of EIA purpose**

Form – 1
Along with Pre-feasibility Report &
Scheme of Mining plan with Annexure

To Submit

Final Presentation
4.0 SITE ANALYSIS

(i) Connectivity

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road connectivity</td>
<td>1. The existing road available in the mining area. This road leads to connect Poonga Road at a distance about 10m on Eastern side of the area.</td>
</tr>
<tr>
<td></td>
<td>2. The Nearest National Highway (NH-7) Kanniyakumai – Bangalore - 7km - Southwestern side.</td>
</tr>
<tr>
<td></td>
<td>3. The Nearest State Highway (SH-188) Salem – Yercaud – 1km - Southeastern side.</td>
</tr>
<tr>
<td>Railway station &amp; Railway line</td>
<td>1. Nearest Railway station Salem - 8km – Southwestern side.</td>
</tr>
<tr>
<td></td>
<td>2. Nearest Railway line is Salem - Neyveli – 7km – Southern side.</td>
</tr>
<tr>
<td>Air port</td>
<td>1. Nearest Airport is Salem -13km –Northwestern side.</td>
</tr>
</tbody>
</table>

(ii) Land Form, Land use and Land ownership

Land form.

The lease applied area is characterized by slightly undulated terrain. The area is sloping towards North east. Lease area is dry land and gets rainfall during the Northeast monsoon period from Oct to December.
Land use.

The lease applied area is dry land with scattered outcrops of Magnesite. The area does not fall in forest land. There are no water courses flowing through the applied lease area. There is no vegetation/plantation in this area. Some thorny bushes and shrubs are observed.

The conceptual land use pattern is as follows.

<table>
<thead>
<tr>
<th>Description</th>
<th>Present Area (Ha)</th>
<th>Additional area required during the present MS Period (Ha) [2016-17 to 2020-21]</th>
<th>Area at the end of scheme period and life of Mine (Ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mining</td>
<td>2.04.0</td>
<td>Nil</td>
<td>2.04.0</td>
</tr>
<tr>
<td>Waste dump</td>
<td>Nil</td>
<td>To be Backfill</td>
<td>To be Backfill</td>
</tr>
<tr>
<td>Office &amp; infrastructure</td>
<td>0.01.0</td>
<td>-</td>
<td>0.01.0</td>
</tr>
<tr>
<td>Processing plant</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mineral stack processing yard</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sub grade mineral stacks</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mine roads</td>
<td>0.03.0</td>
<td>-</td>
<td>0.03.0</td>
</tr>
<tr>
<td>Areas under plantation</td>
<td>0.04.0</td>
<td>0.10.0</td>
<td>0.14.0</td>
</tr>
<tr>
<td>Un utilized area</td>
<td>0.45.0</td>
<td>0.35.0</td>
<td>0.35.0</td>
</tr>
<tr>
<td>Total</td>
<td>2.57.0</td>
<td>2.57.0</td>
<td>2.57.0</td>
</tr>
</tbody>
</table>

Land Ownership.

The proposed mining lease area is 2.57.0Ha. It is patta land, registered in the name of the lessee, vide patta No. 66. (Refer Annexure No. III).

(iii) Topography (along with map)

The area is slightly undulated terrain. The general drainage pattern of the area is of dentritic pattern. The lease area is a dry land. Only seasonal cultivation is done. In some areas agriculture is done with drift irrigation. Water table is found at a depth of 43m during summer and 40m during rainy season. The area exhibits a subtropical climate and the temperature that goes up to 33°C in summer and falls down to 22°C in December – January. The wind direction is NE-SW and vice-versa. Average annual rainfall is about 850mm in northeast monsoon. The altitude of the area is about 331m (Max) above MSL.
GOOGLE IMAGE SHOWING THE LEASE BOUNDARY AREA

For Kondappanaickenpatty Magnesite Mine

Location:
Village: Kondappanaickenpatty
Taluk: Salem
District: Salem
Topo sheet No: 58 -I/02
Latitude: 11°43.365’N
Longitude: 78°10.131’ E
The lease area slightly undulated terrain. The region experiences semi – humid climate and there is scanty growth of vegetation in and around the lease area (seasonal vegetation is mostly practiced).

- Kapputhi RF & Nagarmalai RF is situated 2kms away from the NE & SW side of the area.
- Kannankurichi puthu Eri is situated 3km away from the South eastern side of the area.
- Kannankurichi Lake is situated 4km away from the South eastern side of the area.
- Thirumanimutharu River is flow about 5km away from the Southeastern side.
- There is no HACA region within the radius of 15km.
- There is no Western Ghats region within the radius of 15km.
- There is no interstate boundary within the radius of 15km.
- There is no CRZ within the radius of 15km.
- There are no Bird sanctuaries, wild life sanctuaries and National park as Act 1972, within the radius of 15kms.
- There are few quarries within the radius of 500m.

(v) Existing Infrastructure

The Magnesite project requires infrastructure like (Mine office, Labours shed, Toilet and Rest shelter) for mining shall made developed by the applicant after the grant of lease.

Water for drinking purpose be supplied form the approved water vendors. A small water tank is also proposed which will be used for water sprinkling, plantation etc.

(vi) Soil Classification

There is no topsoil occurs.

(vii) Climatic data form secondary sources

The area exhibits a subtropical climate and the temperature goes up to 33°C in summer and falls down to 22°C in December – January. The wind direction is NE – SW and vice – versa.
(viii) Social infrastructure available

There is no social infrastructure within the radius of 1Km like schools, universities, hospitals, prisons and community housing etc.

5. PLANNING BRIEF

(i) Planning Concept (type of industries, facilities, transportation etc) Town and Country Planning/Development authority Classification

The total area of the project is about 2.57.0 Ha. Open cast full mechanized mining by deploys neither drilling nor blasting Rock breaker used for mining and hydraulic excavation from pithead to processing plants and various industries.

The project land is devoid of vegetation and lies in the backward town of Salem District. There are no specific industries or factories in and around the project area. The proposed production is around 12716T@ 6% of ROM during this period of next five years. Plenty of labors are available in the nearby villages. Facilities such as power, Transportation and commodities infrastructure facilities are locally available near the project site with Salem 7km in SW side.

Transportation

The Mining of Magnesite is transported from mine head to processing plant by tippers. The entire mined out mineral is being sold in domestic market and allied industries nearby the lease area.

Magnesite is used as a Refractory material for the manufacture of Magnesite bricks and also Magnesite chromite bricks or Magnesite bricks required in the basic open hearth furnace in steel melting. Light calcined Magnesite is considered as an essential basic slag in the metallurgical furnace at high temperature. Low grade Magnesite is used as a Fertilizer and chemical industries.
(ii) Population projection

There are few villages located in the 5km radius of mining site and approximate distance and population are given below.

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of the Village</th>
<th>Approximate Distance Direction from lease area</th>
<th>Approximate population</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Kondappanaickenpatty</td>
<td>0.5km –S</td>
<td>750</td>
</tr>
<tr>
<td>2.</td>
<td>Vinayakampatti</td>
<td>0.5km-NE</td>
<td>450</td>
</tr>
<tr>
<td>3.</td>
<td>Chettichavadi</td>
<td>0.5km-W</td>
<td>300</td>
</tr>
</tbody>
</table>

Basic human welfare Amenities such as Health Center, Schools, Communication Facilities, and Commercial Centers etc are available at Salem located at a distance of 7kms from the Southwestern side of the mining area.

(iii) Land use planning (breakup along with green belt etc0.)

During this period, it proposed to plant 15 Neem saplings in the Eastern boundary of the lease area.

<table>
<thead>
<tr>
<th>Year</th>
<th>Area to be covered (sq.m)</th>
<th>No of saplings</th>
<th>Type of saplings</th>
<th>Location</th>
<th>status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-17</td>
<td>200</td>
<td>15</td>
<td>Neem</td>
<td>7.5m safety distance on the Eastern boundary</td>
<td>Proposed</td>
</tr>
<tr>
<td>2017-18</td>
<td>200</td>
<td>15</td>
<td>Neem</td>
<td>Proposed</td>
<td></td>
</tr>
<tr>
<td>2018-19</td>
<td>200</td>
<td>15</td>
<td>Neem</td>
<td>Proposed</td>
<td></td>
</tr>
<tr>
<td>2019-20</td>
<td>200</td>
<td>15</td>
<td>Neem</td>
<td>Proposed</td>
<td></td>
</tr>
<tr>
<td>2020-21</td>
<td>200</td>
<td>15</td>
<td>Neem</td>
<td>Proposed</td>
<td></td>
</tr>
</tbody>
</table>

(iv) Assessment of Infrastructure Demand (Physical & Social)

Physical infrastructure.

- The existing road facilities are already available which shall be used and maintained.
- The labors requirement is drawn from the nearest villages. The labors will be brought by jeeps and vans to the mining site.
- Medical facilities are available near the project site, Government and private hospitals and other basic amenities and infrastructure facilities like communication center, school supermarket, bus stand are also available in Salem at a distance of 7kms (SW).
- This mining project will provide employment for about 23 persons directly.
Social infrastructure.

- Periodical Medical checkup program for all the workers and first-aid box with necessary equipment will be provided.
- Training for workers regarding occupational hazards.
- Safety equipment like dust mask, shoes, gloves, helmet etc.,

(v) Amenities/Facilities

The simple methods adopted and the limited scale of activities involved in Magnesite mining does not require High Tension Electric Power supply or huge worship facilities. The mining work is restricted to one general shift during day time only. Machinery repair works are attended at Salem town (7km- SW) and minor repairs are carried out by the company’s staff at the mining site itself.

Potable drinking water is available from the nearby community wells and can be transported to the work site in tippers. Mine office, storeroom, toilet and first-aid room will be provided on permanent structures within the lease applied area.

6. PROPOSED INFRASTRUCTURE

(i) Industrial Area (Processing area)

There is no industrial or processing area proposed within the lease area.

(ii) Residential area (Non processing area)

Local person will be given priority for employment. Few houses are situated within the radius of 500m.

(iii) Green Belt

7.5m safety distance on the Western side is selected for Green belt development by planting and maintaining native species of Acacia ferrugena saplings. It is proposed to plant 15 plants per year. The total area for the proposed for Green belt is around 0.10.0Ha out of 2.57.0Ha.

(iv) Social infrastructure

This proposed Magnesite mine will fetch employment for about 23 people directly and 6 peoples will be indirectly beneficed, shopkeepers, Hotels, Machineries Transport Contractors etc., the lease ensure to share all responsible for special benefits like water, health care, Education benefits, and promotion of socio cultural activities of the nearby villages.
(v) Connectivity (traffic and transportation road/ Rail/ Metro/ Water ways etc.,)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road connectivity</td>
<td>1. The existing road available in the mining area. This road leads to connect Poonga Road at a distance about 10m on Eastern side of the area.</td>
</tr>
<tr>
<td></td>
<td>2. The Nearest National Highway (NH-7) Kanniyakumai – Bangalore - 7km - Southwestern side.</td>
</tr>
<tr>
<td></td>
<td>3. The Nearest State Highway (SH-188) Salem – Yercaud – 1km- Southeastern side.</td>
</tr>
<tr>
<td>Railway station &amp; Railway line</td>
<td>1. Nearest Railway station Salem - 8km – Southwestern side.</td>
</tr>
<tr>
<td></td>
<td>2. Nearest Railway line is Salem - Neyveli – 7km – Southern side.</td>
</tr>
<tr>
<td>Air port</td>
<td>1. Nearest Airport is Salem -13km –Northwestern side.</td>
</tr>
</tbody>
</table>

(vi) Drinking Water management (Source & Supply of water)

This proposed mining project does not require huge water either for beneficiation or processing. Water requirement for mining activity is 1.0KLD. Water required for drinking and domestic consumption for labors is around 0.2KLD. The Packaged drinking water will be brought from approved water vendors nearby village. The domestic waste water generated will be sent to septic tanks followed by soak pits.

(vii) Sewerage System

Toilets will be constructed as permanent structure within the area and sewage will be discharged once in three months. The sewage waste will be collected in soak pit and the sludge will be discharged.

(viii) Industrial Waste Management

No industrial waste will be generated from the project.

(ix) Solid Waste Management

Mineral rejects.

The proposed Magnesite Mine anticipated waste during the present period (next five years) is about 199225Ts (794% rejects).

Disposal.

The mineral rejects is proposed to be backfilling on the Eastern side of the lease area (before that Eastern side of the pit will be exploited to the ultimate pit level).
Dump Dimension

<table>
<thead>
<tr>
<th>Life of project</th>
<th>Direction</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Back filling</td>
<td>East</td>
<td>88m X 50m X 17.5m(h)</td>
</tr>
</tbody>
</table>

(x) Power Requirement & Supply / source

The proposed Magnesite Mine does not require any power supply for the mining operation. It is proposed to operate in day time only from 9 Am to 5Pm with 1 Hour lunch interval between 1Pm to 2Pm. The domestic consumption for the lights at the night is only for the century room, mines office etc,

7. REHABILITATION AND RESETTLEMENT (R & R PLAN)

(i) Policy to be adopted (Central/State) in respect of the project affected persons including home oustees, land oustees and landless laborers (a brief outline to be given)

There is no Rehabilitation and resettlement is involved. The deployed labours will be insured as per the Government norms till the end of the life of the mine. Periodical medical test will be conducted for the labors to monitor the occupational disease. The salaries and benefits will be paid as specified by the instruction given by the labor enforcement officers.

8. PROJECT SCHEDULE & COST ESTIMATES

(i) Likely date of start of construction and likely date of completion (Time schedule for the project to be given)

The Magnesite mining project is likely to get commenced after the execution of mine lease. The lease will get expired 20years after the execution of lease deed. The proposed production is about (6%) 12716T for during this scheme of mining plan period next five years.
(ii) Estimated project cost along with analysis in terms of economic viability of the project:

A. Fixed Asset cost
   - Land cost = Rs. 5,14,000/-
   - Labour shed = Rs. 50,000/-
   - Sanitary facilities = Rs. 50,000/-
   - Fencing cost = Rs. 1,00,000/-
   **Total cost** = **Rs. 7,14,000/-**

B. Operational cost
   - Machineries Cost = Rs. 15,00,000/-
   - Drinking water facility for the labors = Rs. 1,00,000/-
   - Safety kits = Rs. 1,00,000/-
   **Total operational cost** = **Rs. 17,00,000/-**

C. EMP cost:
   - Afforestation cost = Rs. 7,500/-
   - Water Sprinkling = Rs. 20,000/-
   - Air quality sampling = Rs. 15,000/-
   - Water quality Sampling = Rs. 8,500/-
   - Noise Monitoring = Rs. 9,000/-
   - Ground vibration test = Rs. 7,500/-
   - Cost towards charity = Rs. 50,000/-
   **Total EMP cost** = **Rs. 67,500/-**

The Project cost:

D. Fixed Asset cost = Rs. 7,14,000/-
E. Operational cost = Rs. 17,00,000/-
F. EMP cost = Rs. 67,500/-

**Total Project cost** = **Rs. 24,81,500/-**

- The total project cost including EMP cost (A+B+C) is about **Rs. 24,81,500/-** (Rupees Twenty four lakhs eighty one thousand and five hundred only)
- The total EMP cost is about **Rs. 67,500/-** (Rupees Sixty seven thousand and five hundred only)
**Population Benefit**

The applicant ensures to take social responsibilities like providing School Note books, Uniforms to the Students below poverty level beside if the villages require any borehole for public use the applicant ensure to do so.

The applicant will also take part and contribute the native cultural activities in the nearby villages. During summer seasons packaged drinking water will be kept will be kept in the village for public and for tress passers. The applicant will involve and contribute all the socio cultural allocation in and around the area. The budget provisions and allocation for all the above activities will be around Rs. 50,000/- for during this period.

**Mine Closure Plan.**

**Steps proposed for phased restoration, reclamation of already Quarried out areas:**

- The proposal for the project is existing Magnesite Mine.
- After the exploitation of Magnesite Mine reaches its ultimate pit limit, the pit will be partially backfilled and partially act as a good storage of water.
- Before closure the mine, a parapet wall will be constructed to prevent inadvertent entry of cattle and human beings.
- After closure of mine, the pit will be allowed to collect seepage and rain water. This will help to charge the nearby agricultural wells.

**Measures to be under taken on mine closure as per Act & Rules:**

Measure will be taken as per Act & Rules.

**Mitigation measure to be undertaken for safety and restoration / reclamation of the already quarried out area:**

- Drilling will be carrying out by wet drilling to control the dust into the air.
- Minimum blasting will be carrying out on limited scale.
- Mist spray on haul road will be proposed to prevent the dust propagation into the air.
- The plantation will be carried out on the safety barriers to prevent Noise, besides wet drilling will be practiced to prevent dust.
- All the machineries will be maintained in good conditions as per RTO and TNPCB Norms to prevent Noise, Smoke and vibration.
- Machineries will be periodically maintained by experienced mechanic to minimize noise, Smoke and ground vibration.
9. ANALYSIS OF PROPOSAL (FINAL RECOMMENDATIONS)

(i) Financial and social benefits with special emphasis on the benefit to the local people including tribal population, if any, in the area.

There are few tribal populations in and around the area about 23 personals directly will be benefited by these projects, besides the government. Will get good revenue by taxes, seigniorage fees etc., and if the applicants find the suitable export market the Government will have a good foreign exchange to the nation.

The socio- Economic conditions of the village and distance will enhance due to the project, hence, the project should be allowed after considering all the parameters. The detail furnished in this mining is based on information provided by the State Government and the lessee. By considering the merit of the project the permission may be granted.

1. Signature of the proponent

[Signature]

G. Pasupathi

(Proprietor of M/s. Sudharsaan Mining Corporation,)

2. Signature of the Consultant

For GEO EXPLORATION AND MINING SOLUTIONS

Dr. M. Ifthikhar Ahmed, M.Sc., M.B.A., F.G.S., M.M.E.A., Ph.D.
EIA Coordinator (Mining)
NABET – QCI, New Delhi.
GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
O/O THE REGIONAL CONTROLLER OF MINES

Fax No.044-24911295
Tel: (044)24911295/24914461/1570
Email ID:ro.chennai@ibm.gov.in

C-4-A, Rajajibhawan
CGO complex, Besant Nagar
Chennai – 600 090.

No.TN/SLM/MG/MS-1349.MDS

Date : 29.03.2016

To:
Thiru G. Pasupathi
(Proprietor of M/s. Sudharsana Mining Corporation)
S.F No.77, Kuduvampatti Road
Kondappanaickenpatty, Kannankurichi(PO)
Salem Taluk & District.
Tamilnadu.

Sub : Approval of Scheme of Mining including PMCP in respect of your Kondappanaickenpatty Magnesite Mine over an area of 2.57.0 Hect. In Kondappanaickenpatty Village, Salem Taluk and District, Tamilnadu submitted under rule 12 of MCDR, 1988 in favour of Thiru G. Pasupathi.


Sir,

In exercise of the power conferred by sub-rule (4) of rule 12 of Mineral Conservation and Development Rules, 1988, I hereby approve the aforesaid Scheme of Mining (Including Progressive Mine Closure Plan). This approval is subjected to the following conditions.

1. The scheme of mining (including Progressive Mine Closure Plan) is approved without prejudice to any other laws applicable to the mine / area from time to time whether made by the Central Government, State Government or any other authority.

2. The scheme of mining (including Progressive Mine Closure Plan) is approved without prejudice to any other order or direction from any court of competent jurisdiction.

3. It is also clarified that the approval of your aforesaid scheme of mining (including Mine Closure Plan) does not in any way imply the approval of the Government in terms of any other provisions of the Mines & Minerals (Development Regulation) Act, 1957 or the rules framed there under and any other laws.

4. It is further clarified that the approval of the Scheme of Mining (including Progressive Mine Closure Plan) is subject to the provisions of Forest (Conservation) Act, 1980, Forest Conservation Rules, 2003 and other relevant statutes, orders and guidelines as may be applicable to the lease area from time to time.

5. A copy of EIA/EMP report, approved by MCOF, New Delhi, should be submitted to this office within one month of its approval along with a copy of their approval letter.

6. Provisions of the Mines Act, 1952 and Rules and Regulations made there under including submission of notice of opening, appointment of manager and other statutory officials as required under the Mines Act, 1952 shall be complied with.

7. The execution of mining plan / scheme of mining shall be subjected to vacation of prohibitory orders / notices, if any.
8. The Environmental Monitoring Cell of the Company shall continue monitoring ambient air quality, dust fall rate, water quality, soil sample analysis and noise level measurements on various stations established for the purpose both in the core zone and buffer zone, as per Department of Environment guidelines and keeping in view IBM's Circular No.3/92, season-wise every year or by engaging preferably the services of an Environmental laboratory approved by MCEF/CPCB. The data so generated shall be maintained in a bound paged register kept for the purpose and the same shall be made available to the inspecting officer on demand.

9. If anything is found to be concealed as required under the Mines Act in the contents of the Scheme of Mining and the proposal for rectification has not been made, the approval shall be deemed to have been withdrawn with immediate effect, further at any stage, if it is observed that the information furnished in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.

10. The validity period of the financial assurance should be renewed before the expiry of the same.

11. Yearly report as required under Rule 23E(2) of MCDR, 1988 setting for the extent of protection and rehabilitation works carried out as envisaged in the approved progressive mine closure plan and if there is any deviations, reasons thereof shall be submitted before 1st July of every year to the regional office, IBM, Chennai.

12. In case mining lease falls within radius of 10 kms of National Park/Sanctuary, recommendations of NBWL have to be obtained as per the Order of Hon'ble Supreme Court in I.A. No.460/2004.

13. This approval of mining operations and associated activities is restricted to the mining lease area only. The mining lease area is as shown on the statutory plans under rule 28 of Mineral Conservation and Development Rules, 1988, by the lessee/RQP/applicant. Indian Bureau of Mines does not take any responsibility regarding correctness of the boundaries of the lease shown on the ground with reference to lease map and other plans furnished by the applicant/lessee.


15. The Scheme of Mining is approved for proposal contained therein and as applicable from the date of approval of the document for the mining activities to be carried out within the mining leasehold.

16. The next Scheme of Mining will be due for submission on 01.12.2020.

Yours faithfully,

(T.K. Rath)
Regional Controller of Mines.

Copy to:
1. Shri P. Thangaraju, RQP, Old No.260-B, New No.17, Advaita Ashram Road, Alagapuram Post. Salem - 636 004.
2. The Commissioner of Geology & Mining, Government of Tamilnadu, Guindy, Chennai – 600 032, along with a copy of the approved scheme of mining.

As above.
TOPOGRAPHICAL VIEW OF KONDAPPANAICKENPATTY
MAGNESITE MINE LEASE AREA

LOCATION DETAILS

Name and Address of the Lessee : G. Pasupathi,
(Proprietor of M/s. Sudhanthaan Mining Corporation)
S.F. No 77, Kuduvampatti Road,
Kondappanaickenpatty,
Kannankurichi (PO),
Salem Taluk & District.

S.F. No of the Mine lease area : 77
Extent of the Mine lease area : 2.570 Ha
Name of the village : Kondappanaickenpatty
Taluk : Salem
District : Salem
State : Tamilnadu.

Signature of the lessee

Attestation of the Village Administrative Officer
1. Kondappanaickenpatty
Salem Taluk.
From
Thiru A. Arumuganainar, M.Sc.,
Deputy Director,
Dept. of Geology and Mining,
Collectorate,
Salem-636 001.

To
Thiru G. Pasupathy,
14/315, Second Cross,
Kaliyapillai Garden,
Fairlands, Salem-4


Sir,,

Sub: Mines and quarries – Major minerals – Salem District –
Salem Taluk- Kondappanaikenpatty Village –
S.F.No.77, over an extent of 2.57.0 Hects. of Patta land
– Magnesite mining lease granted to
Thiru G. Pasupathy, Salem- Existing quarries situated
within 500Mt radial distance- requested by the lessee
– Details furnished – Reg.

Ref: 1. G.O.(3D).No.65 Industries (MMB2) Department
dated 2.8.1996.
2. Lessee Thiru G. Pasupathy letter dated 04.1.2017

In the Government Order vide references 1st cited, a Magnesite
mining lease was granted to Thiru G. Pasupathy in S.F.No.77, over an
extent of 2.57.0 Hects. in patta land of Kondappanaikenpatty Village,
Salem Taluk and District for a period of twenty years (21.03.1986 to
20.03.2006) under Mineral Concession Rules, 1960. Mining operation
are continued under deemed extension as per Rule 24(A)(6) of

In the reference 2nd cited lessee Thiru G. Pasupathy has requested
to furnish the details of existing mines located within 500 Mt radius from
the lease area for obtaining environmental Clearance from SEIAA.
In this regard, it is informed that at present the following existing mines are located within 500 Mt radial distance from the periphery of this existing quarry.

**Existing quarries**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of the Owner</th>
<th>S.F. No</th>
<th>Extent (in Hect)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Thiru. G. Rajkumar</td>
<td>36 (Parli)</td>
<td>2.57.0 Hects</td>
<td>The Magnesite mining lease has been granted as per G.O. (3D), No. 84 Industries (MMB2) Department dated 28.05.1997 for a period of 20 years from 19.09.1997 to 18.09.2017.</td>
</tr>
<tr>
<td></td>
<td>(Kondappanaickenpatti, Salem Taluk)</td>
<td></td>
<td>Patta land</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Tvl. India Magnesia Product Ltd.,</td>
<td>76/1</td>
<td>19.02.0 Hects</td>
<td>The Magnesite mining lease has been granted as per G.O.: 21(D) No. 171 Ind. (MMD1) Dept. dated 5.7.1993 for a period of 20 years from 05.07.1993 to 07.08.2006 the Mining operation are continued under deemed extension as per Rule 24(A)(6) of Mineral Concession Rules, 1960.</td>
</tr>
<tr>
<td></td>
<td>(Kondappanaickenpatti, Salem Taluk)</td>
<td></td>
<td>Govt. Poramboke land</td>
<td></td>
</tr>
</tbody>
</table>

Deputy Director,  
Dept. of Geology and Mining,  
Salem.
வேல வளிய வேல வேல வேல வேல வேல வேல

2.57. ஒரு நாளை மூன்று முதல் மூன்று. 77 இல்லை... இருமுறை

இன்னொரு வரவேற்பு. செய்ய வேண்டும் வேலோ

வேலோ வேலோ வேலோ வேலோ வேலோ வேலோ வேலோ

வேலோ வேலோ வேலோ வேலோ வேலோ வேலோ 

500 ஆனது வேலோ வேலோ வேலோ வேலோ

செய்ய வேண்டும், 1000 ஆனது வேலோ வேலோ வேலோ

செய்ய வேண்டும். 200 ஆனது வேலோ வேலோ வேலோ

செய்ய வேண்டும் வேலோ வேலோ 

Village Administrative Officer
1, Kondeppanayakanapatty,
Salem Taluk.
Affidavit to SEIAA-Tamilnadu

I, G. Pasupathi, Proprietor of M/s. Sudharshaan Mining Corporation, S.F. No 77, Kuduvampatti Road, Kondappanaickenpatty, Kannankurichi (PO), Salem Taluk & District, Tamilnadu State, solemnly declare and sincerely affirm that:

I have applied for getting Environmental Clearance to SEIAA, Tamil Nadu for mine lease for mining of Magnesite over an extent of 2.57.0 Ha in S.F.No. 77 in Kondappanaickenpatty Village, Salem Taluk, Salem District.

1. I swear to state and confirm that within 10km area of the mine site, I have applied for environmental clearance, none of the following is situated.
   a. Protected areas notified under the wild life (Protection) Act, 1972
   b. Critically polluted areas as notified by the central pollution control board constituted under water (Prevention and Control of Pollution) Act 1974.
   c. Eco-sensitive areas as notified
   d. Interstate boundaries and international boundaries within 5km radius from the boundary of the proposed site.
2. There are few mines are located within 500m radius from the periphery of my mine site details as shown below

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the Lessee</th>
<th>Extent</th>
<th>S.F.Nos</th>
<th>Lease Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Thiru.G.Rajkumar</td>
<td>2.56.9 Ha</td>
<td>36 (Part)</td>
<td>Existing</td>
</tr>
<tr>
<td>2.</td>
<td>Tvl. India Magnesia Product Ltd.,</td>
<td>19.02.0 Ha</td>
<td>76/1</td>
<td>Existing</td>
</tr>
</tbody>
</table>

3. There will not be hindrance or disturbance to the people living no enroute / nearby mine site while transporting the mineral my material and due to mining activities.

4. Few habitations / villages are present within 300m radius from the periphery of my mine.

5. I swear that afforestation will be carried out during the course of mining operation and maintained.

6. The required insurance will be taken in the name of the labourers working in my mine site.

7. Approach road belongs to local panchayat only and no other private patta roads encountered.

8. I will not engage any child labour in my mine site and I aware that engaging child labour is punishable under the law.

9. All types of safety / protective equipment will be provided to all the labourers working in my mine.

10. No permanent structures, temples etc., are located within 500m radius from the periphery of my mine.

I ensure to do all the social and Environmental commitment as mentioned in the Mining plan to the best of my knowledge.

G.Pasupathi
(Proprietor of M/s. Sudharshaan Mining Corporation)