PRE-FEASIBILITY REPORT

OF

MARBLE MINING PROJECT

M.L. No. 38/98, Area: 1.0 ha
(Production Capacity: 1,10,900 TPA)

Near Village: Tilwar,
Tehsil: Rajgarh & District: Alwar (Rajasthan)

PROJECT PROPOONENT

Shri Bhagwan Das Mangal S/o Shri Tej Mal Mangal
R/o : F-266, Priyadarshini Marg, Shayam Marg, Jaipur (Rajasthan)
Contact Person: Shri Bhagwan Das Mangal
Email. Id.: marvelpaper@gmail.com
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1.0 EXECUTIVE SUMMARY

This is an existing mine, proposal for obtaining Environmental Clearance for marble with Production Capacity 1,10,900 TPA Near Village: Tilwar, Tehsil: Rajgarh & District: Alwar (Rajasthan). The total lease area is 1.0 ha which falls in Govt. Waste Land. The lease was originally sanctioned in favor of Smt. Sunita Agarwal W/o Shri Anand Agarwal for an area of 1.0 ha dated 23.03.1999. The lease was transferred in favor of Shri Bhagwan Das Mangal dated 04.01.2001.

Table-1
Salient features of the Project

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>Mining Lease Details</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Name of the Project</td>
<td>Marble Mining project</td>
</tr>
<tr>
<td>2.</td>
<td>Mineral</td>
<td>Marble</td>
</tr>
<tr>
<td>3.</td>
<td>Mining Lease Number</td>
<td>M.L. No.38/98</td>
</tr>
<tr>
<td>4.</td>
<td>Mining Lease Area</td>
<td>1.0 ha</td>
</tr>
<tr>
<td>5.</td>
<td>Lease Holder (Proposed)</td>
<td>Shri Bhagwan Das Mangal</td>
</tr>
<tr>
<td>B.</td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Village</td>
<td>Tilwar</td>
</tr>
<tr>
<td>8.</td>
<td>Tehsil</td>
<td>Rajgarh</td>
</tr>
<tr>
<td>9.</td>
<td>District</td>
<td>Alwar</td>
</tr>
<tr>
<td>10.</td>
<td>State</td>
<td>Rajasthan</td>
</tr>
<tr>
<td>11.</td>
<td>Latitude &amp; Longitude</td>
<td>Geographical Extends:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Latitude 27°12’41.28” N to 27°12’44.53” N,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Longitude -76°23’33.12” E to 76°23’36.29” E</td>
</tr>
<tr>
<td>C.</td>
<td>Other details</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Cost of the project</td>
<td>Rs. 50.0 Lacs</td>
</tr>
<tr>
<td>13.</td>
<td>Cost for Environmental</td>
<td>Rs. 0.50 Lac</td>
</tr>
<tr>
<td></td>
<td>Protection Measures</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>ESR Cost/CSR Cost</td>
<td>Rs. 1.00 Lac</td>
</tr>
<tr>
<td>15.</td>
<td>Cost for Labours</td>
<td>Rs. 0.65 Lac</td>
</tr>
<tr>
<td>16.</td>
<td>Seismic Zone</td>
<td>II</td>
</tr>
</tbody>
</table>

2.0 INTRODUCTION OF THE PROJECT/ BACKGROUND INFORMATION
(i) Identification of Project Proponent and Project

Shri Bhagwan Das Mangal
Shri Bhagwan Das Mangal S/o Shri Shri Tej Mal Mangal

The mining lease for marble mineral Near Village: Tilwar, Tehsil: Rajgarh & District: Alwar (Rajasthan) was sanctioned in favor of Smt. Sunita Agarwal W/o Shri Anand Agarwal for an area of 1.0 ha dated 23.03.1999. The lease was transferred in favor of Shri Bhagwan Das Mangal dated 04.01.2001.

(i) Identification of Project and Project Proponent


(ii) Brief Description of the Nature of Project

This is an existing Marble mining project and mining is being done by Semi-mechanized opencast method by formation of proper benches. The mining activities involve drilling, blasting for making free faces and removal of fractured/cracks rocks. The marble block mining is being done with wire saw machine which is eco-friendly. As per EIA Notification dated 2006, as amended time to time, this project is comes under A Category. General Condition applicable {as the Sariska National Park falls within 5.0 Km from the lease area.} on our project as the sum total of the mining lease area of our Project / activity and other existing operating mines and mining Projects are located within 500 meters from the periphery of the our Project or activity is more than 5 ha.). hence it is treated as Category A.

(iii) Need for the Project & Its Importance to the Country/ Region

The mineral marble stone is used in flooring, column, Build exterior, Staircases, & various industrial & construction activities and it also used as industrial raw material.

(iv) Demand – Supply Gap

Considering the demand of mineral sufficient availability of the mineral in the area, it is essential to have marble mine to sustain the supply of mineral for various purposes.

(v) Imports vs. Indigenous Production

The marble is used in various construction and Architectural uses as well as making decorative artists, which also have export market.

(vi) Export Possibility

The mineral have moderate in quality, so there will be no export possibility.

(vii) Domestic/Export Markets

The marble is used in architectural work, extensively in memorials as columns, flooring, tiles and steps in building, marble slabs are 1 decorative and dimensional uses.
(viii) Employment Generation (Direct and Indirect) due to the Project

The total 40 skilled, semiskilled and unskilled manpower needed to run the mine

3.0 PROJECT DESCRIPTION

(i) Type of Project Including Interlinked and Independent Projects, If Any

There is no interlinked or interdependent project based on mineral produced. The blocks will be sold to different cutting units located in the area.

(ii) Location (map showing general location, specific location, and project boundary & project site layout) with coordinates
MARBLE MINING PROJECT
(M.L.No.- 38/98, Area - 1.00 ha.)

Shri Bhagwan Das Mangal

Near Village - Tilwar
Tehsil - Rajgarh, District - Alwar (Rajasthan).

Figure1: Location Map
(iii) Details of Alternate Sites Considered

No alternative site has been taken into consideration as it is running mine and mineral resources are available in the area.

(iv) Size and magnitude of operation

The Production of marble (1,01,900 TPA), from this mine.

(v) Project Description with Process Detail

(1) Salient features along with project vicinity details of the Mining project is given below:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Particulars</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Name of the Project</td>
<td>Marble Mining Project M.L. No. 38/98</td>
</tr>
<tr>
<td>2.</td>
<td>Mineral</td>
<td>Marble</td>
</tr>
<tr>
<td>3.</td>
<td>Mining Lease Number</td>
<td>M.L. No. 38/98</td>
</tr>
<tr>
<td>4.</td>
<td>Mining Lease Area</td>
<td>1.0 ha.</td>
</tr>
<tr>
<td>5.</td>
<td>Lease Holder (Proposed)</td>
<td>Shri Bhagwan Das Mangal</td>
</tr>
<tr>
<td>6.</td>
<td>Lease Period</td>
<td>20 years w.e.f. 04.01.2001</td>
</tr>
<tr>
<td>7.</td>
<td>Elevation Range in the area</td>
<td>330 mRL to 327 mRL</td>
</tr>
<tr>
<td>8.</td>
<td>General ground level</td>
<td>450 mRL</td>
</tr>
<tr>
<td>9.</td>
<td>Ground Water table</td>
<td>50m bgl -60 m bgl</td>
</tr>
<tr>
<td>10.</td>
<td>Ultimate Working Depth</td>
<td>45 m. (305 mRL)</td>
</tr>
</tbody>
</table>

GEOLOGY OF THE AREA

<table>
<thead>
<tr>
<th>Delhi Super Group</th>
<th>Ajabgarh Group</th>
<th>Thanagaji Formation</th>
<th>Calc-silicater rock with actinolite tremeolite Bearing marble</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Sariska Formation</td>
<td>Brecciated ferruginous quartzite</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kushalgarh Formation</td>
<td>Impure marble</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pratapgarh Formation</td>
<td>Calcogneiss and amphibole quartzite</td>
</tr>
</tbody>
</table>

Alwar Group | Pratapgarh Formation |
Local geology:
The rocks exposed in the area belong to Delhi Super group and exposed of quartzite

(2) ESTIMATION OF RESERVES

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Proved reserves</td>
<td>387400 tonnes</td>
</tr>
<tr>
<td>Probable reserves</td>
<td>411630 tonnes</td>
</tr>
<tr>
<td>Mineable Reserves</td>
<td>677960 tonnes</td>
</tr>
</tbody>
</table>

(3) MINEABLE RESERVES AND ANTICIPATED LIFE OF THE MINE

Mineable reserves have been calculated by taking into account the reserves in proved and probable category only. The mineable reserves are 677960 tonnes & there for expected life of mine is about 9.0 years.

(4) Method of Mining

It is an existing mining lease for marble. The method of marble mining adopted is opencast semi- mechanized with drilling & blasting(for removal of OB). The mining will be done with help of drill m/c, ladder dumper and Diamond wire saw or Chain saw cutting machine etc. The mining shall be started from the existing pit. Bench Parameters shall be – 1. Height – Max. 6m, 2. Width- more than 6m.

Cutting of Blocks from Thadi:

Cutting of blocks by wire saw: the marble at face ready for excavation is known as thadi. The separation of block from thadi is proposed by wire saw. Two holes are proposed to drill. One is vertical and other is horizontal. Both holes are proposed to connect with each other. The wire garland with diamond bits are proposed to penetrate through these holes and the pulley of wire saw machine. This wire saw machine by the action of diamond bits cut the block. For bottom cutting both holes may be drill horizontal. Total three wires saw machines are proposed the daily cut of blocks.

Separating the required size block from big block:

For separating the required size block from big block holes are proposed at thte line of required size. The holes area proposed at 15 cm apart. The V shaped chiesel is proposed to put on he holes and than by hammering action the required size block is separate out.
The haul/ approach roads have been provided up to the proposed working faces and will be provided in future also. The stone and waste are proposed to be transported by tractor trolley and tippers.

Excavator & loader will be used as excavation trolleys and trucks for transportation. The stone is medium hard in nature and easily exploitable by shovels.

**Blasting:**

Blasting is avoided in marble mining but for removal of overburden waste rock, controlled blasting is carried out as and when required. The control is exercised by making diamond wire saw cuts in the block of rock to be blasted, controlling the quantity of explosive charge per delay and using delay detonators/ cord relays for sequential blasting to minimize ground vibrations. The explosive will be procured from the nearby Magazine at the time of blasting.

### EXTENT OF MECHANIZATION

**Table-3**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Machinery</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Jack Hammer</td>
<td>As needed</td>
</tr>
<tr>
<td>2.</td>
<td>Wire saw</td>
<td>As needed</td>
</tr>
<tr>
<td>3.</td>
<td>Compressor</td>
<td>1</td>
</tr>
<tr>
<td>4.</td>
<td>Rock Breaker</td>
<td>As needed</td>
</tr>
<tr>
<td>5.</td>
<td>Wagon drill</td>
<td>As needed</td>
</tr>
<tr>
<td>6.</td>
<td>Tippers</td>
<td>1</td>
</tr>
<tr>
<td>7.</td>
<td>Chain Saw</td>
<td>As needed</td>
</tr>
</tbody>
</table>

*Source: Approved Modified Mining Plan*

(5) **PROPOSED YEAR WISE PRODUCTION DETAILS OF THE NEXT FIRST FIVE YEARS**

The proposed Year-wise production plan for next five years is mentioned in the table given below:

**Table – 4**

<table>
<thead>
<tr>
<th>Year</th>
<th>ROM (Tonnes)</th>
<th>Saleable marble (all grades &amp; sizes) in Tonnes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Year</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
(6) LOADING & TRANSPORT

Loading of blocks will be done with crane. The transport of mineral and waste will be done by hired trucks/ Tractor Trolleys.

(7) WASTE GENERATION & DISPOSAL

Table – 5

Year Wise Waste / Overburden Generation for Next Five Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Waste of volume in tonnes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Year</td>
<td>-</td>
</tr>
<tr>
<td>2nd Year</td>
<td>25270</td>
</tr>
<tr>
<td>3rd Year</td>
<td>21210</td>
</tr>
<tr>
<td>4th Year</td>
<td>14820</td>
</tr>
<tr>
<td>5th Year</td>
<td>20380</td>
</tr>
<tr>
<td>Total</td>
<td>28876</td>
</tr>
</tbody>
</table>

Source: Mining Scheme

(8) CONCEPTUAL PLAN

A conceptual mining plan of the area is prepared and the main features of the proposed planning as given below:

(i) Mineral Exploration

Present reserves in proved & probable categories give the life of area will for 9.0 years including ensuing five year mining respectively. No any proposals are proposed during plan period and upto end of life of mine.

(ii) Ultimate Shape & size of the Pit limit

Rate of production will be maintained at 1,01,900 TPA of marble mineral. Final pit slope angle will be maintained variable 45° to 60° or design according to geotechnical data. The pit will be developed & shape of the pit will

Shri Bhagwan Das Mangal
m. x width is varies 85 m. depth is varies 45 m. upto 305 mRL at end of lease period of the mine.

(iii) Disposal of Waste

About 81680 tonnes of waste generated during the period of mining scheme. Approx 40446 m$^3$ of waste will be generated at the end of life of mine and will be dumped outside the lease area which will be stabilized by plantation. Maximum quantity of waste will be dumped outside the lease area at common dump site after taking permission from the Mining Engineer.

(iv) Post Mining Land use Pattern

No any proposal for reclamation of pit or works out area is made in this mining scheme and not in future also. At the end of mining works out area will be used as water reservoir. Mining in next five year plan will continue in proposed five year mining. At the end of economic mining, It is proposed to convert the pit into pond for water storage.

### Table: 6

Post Mining Plan (Conceptual) Land Pattern of ML Area (Ha.)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Land Use (In ha)</th>
<th>Plantation</th>
<th>Water Body</th>
<th>Public Use</th>
<th>Undisturbed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Top Soil Dump</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2.</td>
<td>External Waste Dump</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3.</td>
<td>(a) Excavation (Voids)</td>
<td>-</td>
<td>0.7820</td>
<td>-</td>
<td>-</td>
<td>0.7820</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) Excavation (Dump)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Road</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5.</td>
<td>Built Up Area</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6.</td>
<td>Township Area</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7.</td>
<td>Afforestation</td>
<td>0.218</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.218</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Mineral Storage</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>9.</td>
<td>Undisturbed Area</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>0.218</strong></td>
<td><strong>0.7820</strong></td>
<td>-</td>
<td>-</td>
<td><strong>1.00</strong></td>
<td></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 Product

This is existing marble mining project. The mineral is used in architectural work, extensively in memorials as columns, flooring, files, steps in building, marble slabs are being used as facing decorative and dimensional uses. marble is also used in preparing a lot of artifacts and destines, desks and cobbles of marble in various pavements. The marble blocks are transported by trucks to different marble gang saw units.

(vii) Resources Optimization/ Recycling and Reuse Envisaged in the Project, if any, should be briefly Outlined

- No waste water is generated from mining operation
- Domestic sewage water generated from office toilet is disposed in soak pits via septic tank.

(viii) Availability of Water Its Source, Energy /Power Requirement and Source

A. Water requirement:
Total water requirement for the mining project is 10.0 KLD which is sourced from nearby villages.

B. Power requirement:
HSD is used in excavator, compressor and transport vehicles and electric power is used to operate Crane and wire saw machines.

(ix) Quantity of Waste to Be Generated (Liquid and Solid) And Scheme for Their Management/Disposal:

Domestic sewage water generated from office toilet has been disposed in soak pits via septic tank and solid waste from mining has been staked properly in the mining lease area.

4.0 SITE ANALYSIS

(i) Connectivity

The lease area about 1.0 km from Tilwar. Dispensary, Railway Station and other basic amenities are available in Rajgarh which is around 23.0 km from the lease area.

(ii) Land Form, Land Use and Land Ownership

Existing Land Use Pattern

The total ML area of 1.0 ha falls in Govt. Waste land.

(iii) Topography

The highest contour is 330 mRL and lowest is 327 mPFL. The lease area is having flat terrain. The regional drainage pattern i
Drainage is near by area is by non-perennial nallah with southerly to southeasterly flow.

(iv) Existing Land Use Pattern (Agriculture, Non-Agriculture, Forest, Water Bodies (Including Area Under CRZ)), Shortest Distances From The Periphery Of The Project To Periphery Of The Forests, National Park, Wild Life Sanctuary, Eco Sensitive Areas, Water Bodies (Distance From The HFL Of The River), CRZ. In Case Of Notified Industrial Area, A Copy Of The Gazette Notification

**Table – 6**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particular</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ML Area</td>
<td>1.0 ha. Govt. land</td>
</tr>
<tr>
<td>2.</td>
<td>Nearest Village</td>
<td>Tilwar at a distance of ~1.0 km in SW direction.</td>
</tr>
<tr>
<td>3.</td>
<td>Nearest city/ town</td>
<td>Rajgarh at distance of ~23.0 km from mine site.</td>
</tr>
<tr>
<td>4.</td>
<td>Nearest Railway Station</td>
<td>Rajgarh Railway Station at distance of ~23.0 km in NE Direction.</td>
</tr>
<tr>
<td>5.</td>
<td>Nearest Airport</td>
<td>Sanganer International Airport, Jaipur at a distance of ~71.0 km in SW direction from the mine site.</td>
</tr>
<tr>
<td>6.</td>
<td>Archaeological Important Place</td>
<td>None, within 10 km radius area of mine site.</td>
</tr>
<tr>
<td>7.</td>
<td>Ecological Sensitive Areas (National Park, Wildlife Sanctuary, Biosphere Reserve etc.)</td>
<td>Sariska National Park falls within 5.0 Km from the lease area</td>
</tr>
<tr>
<td>9.</td>
<td>Reserved/Protected Forest within 10 km radius</td>
<td>Garh PF at a distance of ~6.5 km, in NW direction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kalwari PF at a distance of ~1.0 km, in NW direction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dabkan RF at a distance of ~4.0 km, in North direction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bawari RF at a distance of ~4.0 km, West direction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Khoh PF at a distance of ~3.0 km, in West direction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Haripura RF at a distance of NW direction.</td>
</tr>
<tr>
<td>Nearest River / water body</td>
<td>Details</td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td>Jai Sagar</td>
<td>at a distance of ~9.0 km, SW direction.</td>
<td></td>
</tr>
</tbody>
</table>

Source: SOI Toposheet
Figure 2: Key plan
(v) **Existing Infrastructure:**

There is no building & structure within mining lease area except some vegetations existing in the lease area which will be cleared when required. Post and Telegraph, Hospital, Bank, Education and all market facilities are available at Rajgarh Town. Railway facilities are available in Rajgarh Town.

### 5.0 PLANNING BRIEF

(i) **Planning Concept (Type of Industries, Facilities, and Transportation etc.)**

*Town and Country Planning/Development Authority Classification*

Not applicable

(ii) **Population Projection**

Manpower required will be engaged from nearby areas. No significant influx of people is anticipated in the area.

(iii) **Land Use Planning**

The extent of mining lease area is 1.0 ha. The area comprises of Govt.Land.

#### Table: 8

**LAND: STAGE WISE LAND USE AND RECLAMATION AREA (in Ha.)**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Land use Category</th>
<th>Present</th>
<th>5th Year</th>
<th>End of life of mine</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Top Soil Dump</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Waste Dump (External)</td>
<td>0.01</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>Excavation (Voids Only)</td>
<td>0.19</td>
<td>0.6425</td>
<td>0.7820</td>
</tr>
<tr>
<td>4</td>
<td>Road</td>
<td>0.06</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>Built up Area</td>
<td>0.10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>Township Area</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>Afforestation</td>
<td>-</td>
<td>-</td>
<td>0.218</td>
</tr>
<tr>
<td>8</td>
<td>Reclamation (Backfilled)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>Mineral stack</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>Processing (Crushing)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>11</td>
<td>Undisturbed Area</td>
<td>0.64</td>
<td>0.3575</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>1.00</strong></td>
<td><strong>1.00</strong></td>
<td><strong>1.00</strong></td>
</tr>
</tbody>
</table>
(iv) **Assessment of Infrastructure Demand (Physical & Social)**

Lessee has assess the demand of infrastructure (Physical & Social) in nearby area of the mine site and same is being developed under social work.

(v) **Amenities/Facilities**

Mining Management has develop the Amenities/Facilities in the nearby area of the proposed mine site as per requirement of local people of the nearby area under corporate social responsibility programs or Entrepreneur Social Responsibilities.

6.0 **PROPOSED INFRASTRUCTURE**

(i) **Residential Area (Non Processing Area)**

This is not required as mine workers come from nearby villages. Rest shelter to the workers already exists in the major mining lease of the lessee.

(ii) **Green Belt**

The green belt development will be outside the lease which will be equivalent to 33 % of the lease area. The trees will be planted at suitable spacing to encourage proper growth around the lease boundary. The dead plants will be replaced by fresh plants. Native Plant species will be planted.

(iii) **Connectivity**

The lease area is about ~1.0 km. Tilwar in SW direction. Post and Telegraph, Hospital, Bank, Education and all market facilities are available in Rajgarh. Sanganer International Airport, Jaipur at a distance of ~71.0 km in SW direction from the mine site. Railway facilities available in Rajgarh which is around 23.0 km. from the mine site.

(iv) **Water Management (Source & Supply of water)**

Total water requirement for the project will be 10.0 KLD which is used for domestic as well as dust supression purpose and purchased from nearby village.

(v) **Sewerage System**

Domestic sewage water generated from office toilet is disposed in soak pits via septic tank. Outside discharge is not envisaged.

(vi) **Industrial Waste Management**

No industrial waste water is generated from this mining operation.

(vii) **Solid Waste Management**

About 81680 tonnes of waste generated during the period of mining scheme. Approx 40446 m³ of waste will be generated at the end of life of mine and Maximum quantity of waste will be dumped outside the lease area at common dump site after taking permission from the Mining Engineer.
(viii) Power Requirement & Supply/Source

Electric power is required for operating Crane and Wire-Saw machines and the source of supply from nearest Vidyut Vitran Nigam Limited.

7.0 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 (Brief Outline To Be Given)

Not Applicable as the lease area is Govt. land and there is no habitation in the area.

8.0 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 mining activity will be started after obtaining Environmental Clearance from MoEF & CC, New Delhi as the project attracts general condition as per MoEF & CC notification dated 07.10.2014 and Environmental Clearance for the project is to be grant by MoEF & CC, New Delhi

(ii) Estimated Project Cost Along With Analysis In Terms Of Economic Viability of the Project

<table>
<thead>
<tr>
<th>Cost of the project</th>
<th>Rs. 50 Lacs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost for Environmental Protection Measures</td>
<td>Rs. 0.50 Lac</td>
</tr>
<tr>
<td>Entrepreneur social responsibility activities &amp; budgetary allocation</td>
<td>Rs 1.00 Lac</td>
</tr>
<tr>
<td>Budgetary allocation for facility provided for the Laborers</td>
<td>Rs 0.65 Lac</td>
</tr>
</tbody>
</table>

(iii) Details of activities & Budgetary allocation for CSR activities and labour welfare activities are detailed in below table:

| TABLE-9 | ENTRPRENEUR SOCIAL RESPONSIBILITY ACTIVITIES & BUDGETARY ALLOCATION |
TABLE- 10

BUDGETARY ALLOCATION FOR THE FACILITIES TO BE PROVIDED TO LABOURERS

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Facilities Provided for Labourers</th>
<th>Cost (in Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Shelter</td>
<td>13,000</td>
</tr>
<tr>
<td>2.</td>
<td>Health Facility</td>
<td>17,000</td>
</tr>
<tr>
<td>3.</td>
<td>Drinking Water &amp; Sanitation Facility</td>
<td>15,000</td>
</tr>
<tr>
<td>4.</td>
<td>Education for children</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>65,000</strong></td>
</tr>
</tbody>
</table>

9.0 ANALYSIS OF PROPOSAL

- Marble Mining Lease is result in growth of the surrounding areas by increasing direct and indirect employment opportunities in the region including ancillary development and supporting infrastructure. Special emphasis on Financial and Social benefits is being given to the local people including tribal population, if any, in the area.

- Development of social amenities is in the form of medical facilities, and providing books and school uniforms to the poor students of nearby schools.

- No major adverse effect on environment is envisaged as the required mitigation measures are inbuilt in the project.

10.0 ENVIRONMENTAL MANAGEMENT PLAN

10.1.1 AIR POLLUTION CONTROL

- Wet drilling with Sharp drill bits is used for drilling to reduce generation of dust.

- Occasional blasting is done with low charge
Block mining is done with wire saw which do not generate dust as water is flushed throughout the process.

Green Belt has been developed on outside the lease area, which will be equivalent to 33% of the lease area.

Periodical water spraying on the haul roads is being done.

10.1.2 WATER MANAGEMENT

- There is no surface water body in and around the mining lease area.
- The rain water collected in mining pit have been diverted in natural water channels during rainy season.
- Domestic waste water generated from office toilet is disposed in soak pits via septic tank.

10.1.3 NOISE POLLUTION CONTROL

- Proper maintenance of all machines is being carried out which have reduce noise generation during operations.
- Workers exposed to high noise levels have been provided with ear defenders.

10.1.4 LAND RECLAMATION

No any proposal for reclamation of pits or works out area is made in this mining scheme and not in future also. At the end of mining worked out area will be used as water reservoir.

10.1.5 SOLID WASTE MANAGEMENT

**The waste will be in the form of soil, scree, weathered and impure marble.**

About 81680 tonnes of waste generated during the period of mining scheme. Approx 40446 m³ of waste will be generated at the end of life of mine and will be dumped outside the lease area. The retaining wall is proposed of 1 meter in height and 1 meter in width.

10.1.6 GREEN BELT DEVELOPMENT

The green belt development will be outside the lease area which will be equivalent to 33% of the lease area. The trees will be planted at suitable spacing to encourage proper growth around the lease boundary. The dead plants will be replaced by fresh plants. Native Plant species will be planted.
Table: 11
ECOLOGY: STAGE WISE CUMULATIVE PLANTATION

<table>
<thead>
<tr>
<th>Year</th>
<th>Unworked Area (outside Lease area)</th>
<th>Waste Dump</th>
<th>Worked Out Area (backfilled)</th>
<th>Along &amp; Peripheral Road</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Area (Ha.)</td>
<td>No. of trees</td>
<td>Area (Ha.)</td>
<td>No. of trees</td>
<td>Area (Ha.)</td>
</tr>
<tr>
<td>Existing</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>I</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>II</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>III</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>IV</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>V</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>VI year onwards</td>
<td>0.218</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>0.218</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: Remaining Plantation will be done outside the lease area.
रायम रजमी बुधि हैं। लिस्ट डिस्पॉ नवा।

[Signatures]

व्यक्ति को नामांकन से प्राप्त परिपक्वता का आधार

[Date]

[Signature]

[Place]
राजस्थान

सुरिया अहमद

क से दस्तावेज न किए जा सकते हैं

अधिकारी (राज.)

सुरिया अहमद

भारत, सरकार
GOVERNMENT OF RAJASTHAN
DEPARTMENT OF MINES & GEOLOGY, RAJASTHAN

FORM NO. 5

MODEL FORM OF MINING LEASE
(See Rule (19))

This indenture made the 21st day of March 1999 between the Governor of the State Rajasthan (hereinafter referred to as the "Governor") which expression shall, where the context so admits, include his heirs, executors, administrators, representatives and permitted assigns),

(1) When the lessee is an individual

(Name of Person) .............................................
(hereinafter referred to as the "lessee" which expression shall, where the context so admits, include his heirs, executors, administrators, representatives and permitted assigns).

(2) When the lessee are more than one individual

............................................. (Name of person) .............................................
of (Address and occupation) and .............................................
(Name of Person) .............................................
(Address and occupation) (hereinafter referred to as the "lessees" which expression shall, where the context so admits, include their respective heirs, executors, administrators, representatives and permitted assigns).

(3) When the lessee is a firm

............................................. (Name of person) .............................................
(Address) and ............................................. (Name of Person) ..............................
(Address) and ............................................. (Name of Person) of .............................................
(Address)

All carrying on business in partnership at (Address of the firm) .............................. under the name name and style of (Name of the Firm) ..............................
(hereinafter referred to as the "lessees" which expression shall, where the context so admits, include all the partners of the said firm, their representatives, heirs, executors, administrators and permitted assigns).

(4) When the Lessee is a Registered Company

(Name of the company) .............................. a company registered under ............................................. (Act under which incorporated)
and having its registered office at .............................................
(address) (hereinafter referred to as the "lessee" which expression shall, where the context so admits, include its successors and permitted assigns) of the other part.
Whereas the lessee/lessees has/have applied to the government in accordance with the Rainforest Mining Rules 1986 (hereinafter referred to as the said rules) for a mining lease for ....(details)...... in respect of the lands hereinafter described in clause 1(b) and has/have deposited with the government the sum of Rs. 1250/- as security.

Now, therefore, this deed witnesses:

and the parties hereto hereby agree as follows:

1. Demises :- (a) In consideration of the rents and royalties, covenants and agreements hereinafter contained and on the part of the lessee/lessees to be paid, observed and performed the government hereby grants and demises unto the lessee/lessees, all these mines/mines/seams of (hereinafter referred to as the said minerals) situated, lying and being in or under the lands which are referred to hereinafter and subject to other provisions of this lease.

(b) The area of the said lands is as follows :- 10 acres

(c) The lessee/lessees shall hold the premises hereby granted and demised from the date of this instrument for a period of fifteen years from next ensuing Cheel.

2. Liberties, powers, and privileges to be exercised and enjoyed by the lessee/lessees:- The following liberties, powers and privileges may be exercised and enjoyed by the lessee/lessees subject to the other provisions of this lease:

(a) To enter upon land and search for, win work etc.:-- Liberty and powers at all times during the term hereby demised to enter upon the said lands and to search for, mine, bore, dig, drill for, win, work, dress, process, convert, carry away and dispose of the said minerals.

(b) To sink, drive and make pits shaft and inclines etc.:-- Liberty and power for or in connection with any of the purposes mentioned in this clause to sink, drive, make, maintain and use in the said lands and pits, shafts, inclines, drifts, levels, waterways, airways and other works and to use, maintain deepen or extend any existing works of the like nature in the said lands.

(Signed)

(Signed)
(c) To bring and use machinery and equipment for or in connection with any of the purposes mentioned in this clause to erect, construct, maintain and use on or under the said lands any engines, machinery, plant, dressing floors, furnaces, coke ovens, brick kilns, workshops, store houses, bungalows, godowns, sheds and other buildings and other works and conveniences of the like nature on or under the said lands.

(d) To use water from streams etc. - Liberty and power for or in connection with any of the purposes mentioned in this clause but subject to the rights of any existing or future lessee and with the written permission of the Collector to appropriate and use water from any stream, watercourses, springs or other source in or upon the said lands and to divert, step up of dam, any such stream or water course and collect or impound any such water and to make, construct and maintain any water course. Culverts, drains or reservoirs but not so as to deprive any cultivated land. Villages, buildings or places for a livestock of a reasonable supply of water as before accustomed nor in any way to foul or pollute any stream or spring provided that the lessee/lessees shall not interfere with the navigation in any navigable stream nor shall divert such stream without previous written permission of the Government.

Restriction as to exercise of the liberties etc. - The liberties, power and privileges granted by clause 2 are subject to the following restrictions and subject to the other provisions of this lease:

(a) The mining operations within 45 metres of public work etc. - The Lessee/Lessee shall not work or carry on or allow to be worked or carried on any mining operations at or to any point within a distance of 45 mtrs. from any railway line except with the previous written permission of the Railway Administration Concerned, or from any reservoir, canal or other public works or buildings or inhabited sites except with the previous permission of the Collector or any other officer authorized by the Government in this behalf and otherwise than in accordance with such instructions, restrictions and conditions either general or special as may be attached to such permissions. The said distance of 45 mtrs. shall be measured in the case of railway, reservoir or canal horizontally from the outer toe of the bank or the outer edge of the cutting as the case may be and in case of a building horizontally from the plinth thereof.
Explanation:

1. The expression "Railway Administration" shall have the same meaning as it is defined to have in the Indian Railway Act, 1890 by sub-section (4) of section 3 of that Act.

2. (a) "Public road" shall mean a road which has been constructed or artificially surfaced as distinct from a track resulting from repeated use.

(b) Permission for surface operation in a land not already in use—Before using for surface operation any land which has not already been used for such operations, the Lessee/Lessees shall give to the Collector of the District two calendar months previous notice in writing specifying the situation and the extent of the land proposed to be so used and the purpose for which the same is required and the said shall not be so used if objection issued by the Collector within two months after receipt by him of such notice unless the objection so stated shall on reference to the Government be annulled or waived.

4. The Lessee/Lessees hereby covenants with the Government as following:-

(1) Covenants in accordance with Rajasthan Minor Mineral Concession Rules, 1986. - The Lessee/Lessees shall pay royalty on the quantity of the said mineral despatched or consumed within the leased area at the rates specified in Schedule-I amended to Rajasthan Minor Mineral Concession Rules, 1986.

Provided that the said rates shall be liable to be revised by the Government and such revision shall apply to this lease subject to the condition that the enhancement in the rate of royalty shall not be made more than once during any period of four year.

(2) Surface rent - The Lessee/Lessees shall pay for the surface area used by him/them (for the purpose of mining) surface rent equal to the land revenue payable under the Rajasthan Land Revenue Act, 1956 or any other law in force to the Land Revenue Department of State.

(3) Dead Rent - The Lessee/Lessees shall also pay for every year the yearly dead rent as determined from time to time.
Provided that the Lessee/Lessee shall be liable to pay the dead rent in royalty in respect of each mineral, whichever be higher but not both.

(4) Rate and mode of payment of dead rent etc.- Subject to the provisions of sub-clause (3) above as from the day of the Lease, the Lessee/Lessee shall pay to the Government in four equal quarterly installments, on the day of...% day of...% the day of...% and the day of...% for each year the minimum annual royalty as "dead rent" of Rs. 5,925/-... in the office of the Mining Engineer/Assistant Mining Engineer of the Division/Sub-Division subject as aforesaid. This provision will also apply to the payment of royalty. Surface rent will be deposited with the Revenue Department.

(4)(a) Dump removal charges- The Lessee/Lessee shall pay such amount per year or part thereof to the Government for ecological restoration of mines and quarries in the said area at such time and such rate as may be fixed by the Government from time to time.

(3) To pay compensation for damage and indemnify the Government- The Lessee/Lessee shall make and pay such reasonable satisfaction and compensation for all damage, injury or disturbance which may be done by him/them in exercise of the powers granted by the lease and shall indemnify the Government against all claims which may be made by third parties in respect of such damages, injury or disturbance.

(4) To indemnify against all claims and to pay compensation for infringement of rights of third person- The Lessee/Lessee shall make and pay such reasonable satisfaction and compensation as may be assessed by lawful authority in accordance with the law in force on the subject for all damage, injury or disturbance which may be done by him/them in exercise of the powers granted by this lease and shall indemnify and keep indemnified fully and completely the State Government against all claims which may be made by any person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection therewith.
If in exercise of any right conferred by this lease the rights of any person are infringed by the occupation or disturbance of the surface or any land for the purposes subsidiary there to Lessee/Lessee shall pay such compensation for such infringement and the amount of such compensation shall be calculated by the Collector of if his award is not accepted, by the Civil Court, as far as possible, in accordance with the provision of the Rajasthan Land Acquisition Act, 1953, (Rajasthan Act XXIV of 1953).

The Lessee/Lessees shall not enter on or occupy the surface of any land without the previous sanction of the Collector unless the compensation has been determined and tendered to the persons whose rights are infringed.

If the Lessee/Lessees fail to pay any compensation as provided in this sub-clause, the Collector may recover such compensation from him/them on behalf of the person entitled to it as if it were an arrears of land revenue.

Not to injure tree - The Lessee/Lessees shall not cut or injury any tree in any plot of his/their lease without the previous sanction in writing of the Chief Conservator of Forests, Rajasthan or an officer authorised by him.

To maintain boundary pillars - The Lessee/Lessees shall at his/their own expense erect and at all times maintain and keep in repair boundary pillars and marks according to the demarcation shown in the plan annexed hereto.

Not to erect building etc. on certain places - The Lessee/Lessees shall not erect any building or carry on any business operation on any public pleasure grounds, places of worship, sacred graves, burial grounds or village sites for houses, public roads or other places which the competent authority may determine as public grounds to bring within this restriction.
(9) To commence mining operations within three months and carry on properly - The lessee/lessees shall commence mining operations within three months from the date of the lease to him/them and thereafter carry on such operation effectively in a proper skillful and workman like manner both as regards prevention of waste by removal of sufficient overburden. Careful storage of waste and drainage and as regards removal of all valuable minerals within the mine.

(10) Accounts - The lessee/lessees shall keep correct accounts showing the quantity and particulars of minerals obtained from the mine. details of minerals sold or despatched and the number of persons employed therein and also complete plans of the mine and shall allow any officer of the Department at any time to examine such accounts and plans and shall furnish him with such information and return in respect of aforesaid matter as he may require.

(11) Abiding by Rules - The lessee/lessees shall abide by all existing Acts and Rules enforced by the Government of India or a State Government and all such other Acts or rules as may be enforced from time to time in respect of working of the mine and other matters affecting safety, health and convenience of the employees of the lessee/lessees or the public.

(12) To allow facilities to other lessee etc. - The lessee/lessees shall allow existing and future licensees or lease holders of any land which is comprised in or adjoins or is approachable by the land held by the lessee/lessees, reasonable facilities for access thereto.

(13) To allow entry of officers - The lessee/lessees shall allow any officer of the Department or of the Indian Bureau of Mines to enter upon the premises comprised in the lease for the purpose of inspecting the same and abide by instructions issued by him from time to time regarding the conservation and development of minor minerals and other related matters.

(14) Building erected by Lessee - The lessee/lessees may erect on the area granted to him/them any building required for bonafide mining purposes and such building shall be the property of the Government after expiry of the lease.
To report accident and discovery of any other mineral
The Lessee/Lessees shall without delay report to
Director, Mining Engineer Assistant Mining Engineer or
any other officer authorised by them any accident
which may occur on or in the said premises and also
the discovery on or within any of the lands of minerals
derived by the lease of any minerals whether minor or
eitherwise not notified in the lease.

Working of newly discovered minerals - If the
Lessee/Lessees intends to work such newly discovered
minerals or minerals he/she shall within three months
of making such report as is mentioned in sub-clause
(15) intimated his/them intention to the officer of
the Department having jurisdiction over the area and
apply for quarry licence or mining lease in respect
thereof in accordance with the rules regulating the
grant of mining concessions for that mineral. But such
quarry licence or mining lease shall not be granted as
a matter of right.

Not working the newly discovered minerals - If the
Lessee/Lessees intimates his/them intention not to
work the newly discovered minerals or fails to
intimate his/them intention to work within a
period of three months, then it shall be open to the
Government to grant a licence or lease for the working
of the same to any other person.

(17) To hand over possession of protected area - If any
area not of the lease area is declared as a protected
area under the Ancient Monuments Preservation Act,
1904 (Central Act VII of 1904). The Lessee will have
to deliver the possession back to the State Government
without claiming any compensation for that area.

Liberty to determine the lease - The Lessee/Lessees
may at any time determine this lease with immediate
effect by giving a notice in writing to the State
Government or to such officer or authority as the
State Government may specify in this behalf and shall
pay all rents, water rates, royalties, compensation for
damages and other moneys which may be due and
payable under these presents to lessor or any other
person or persons and shall deliver these present to
competent authority and then this lease and the said
term and the liberties. Powers and privileges hereby
granted shall absolutely cease and determine but
without prejudice to any right or remedy of the lessor
in respect of any breach or any of the covenants or
agreement contained in its presents.
Cancellation — The lease shall be liable to be cancelled by the Director if the Lessee/Lessees cease to work the mine for a continuous period of six months without obtaining written sanction of the Government.

Pre-entitle. — The Government shall have the rights of pre-emption at current market rates over all minerals living in or upon the lands demised by the lease and shall be indemnified by the Lessee/Lessees against claims of any other party in respect of such minerals.

Consequence of non payment of royalty or rent — The Government shall determine the lease after serving notice on the lessee to pay the dues within 15 days from the date of receipt of notice and forfeit the security amount if the dead rent or royalty or dump removal charges are not paid within 15 days next after the date fixed in these presents. The Government shall have the right to enter upon the said lands and distrain all or any of the mineral or movable property therein and shall carry away, detain or order the sale of the property so distrained or so much of it as will suffice for satisfaction of the rent or royalty of dump removal charges and all costs and expenses occasioned by the non-payment thereof. These rights shall be without prejudice to the right of the Government to realise all its dues under the Rajasthan Public Demand Recovery Act, 1952 (Rajasthan Act V of 1952) or Rajasthan Land Revenue Act, 1956 (Rajasthan Act No. 15 of 1956).

Consequence of breach of other covenants — In case of any breach on the part of the Lessee/Lessees of any covenant or condition contained in the lease whether contained in this clause or any other clause of this lease, the Government may determine the lease and forfeit the security amount and take possession of the said premises or in the alternative, may impose payment of a penalty not exceeding twice the amount of the annual dead rent from the Lessee/Lessees. Such action shall not be taken unless the Lessee/Lessees have failed to remedy the breach after 15 days notice.

[Signature]

[Date: 27-07-88]
(23) Delivery on termination of lease. On expiry of
earlier determination of the lease the Lessee/Lesssees
shall deliver up the said premises and all mines (if
any) due in respect of any working as to which the
Government might have sanctioned abandonment.

(24) Determination of lease in the public interest. -
The Government may determine the lease if the
Government considers that the mineral minerals
under the lease are required for establishing an
industry beneficial to the public.

(b) Determination of lease for the aforesaid purpose
shall not be valid unless six calendar months
notice in writing has been given by the
Government to the Lessee/Lesseees. Such notice
need not however, be given in war of emergency.

5. Further covenants of the Lessee: - The Lessee/Lesseees hereby
Covenants/Covenant with the Government as follows:

(1) Unless specifically excepted by the State Government,
the Lessee/Lesseees shall provide and at all time keep
at or near the pit-head at which the said minerals
shall be brought to bank a properly constructed and
efficient weighing machine and shall weigh or cause to
be weighed thereon all the said minerals from time to
time brought to bank, sold, exported and also the
converted products, and shall at the close of each day
course the total weights of the said minerals, ores and
products raised, sold, exported and converted during
the previous twenty four hours to be ascertained and
entered in the aforesaid book of accounts. The
Lessee/Lesseees shall permit the Government at all time
during the said term of employ any person or persons
to be present at the weighing of the said minerals as
aforesaid and to keep accounts thereof and to check
the accounts kept by the Lessee/Lesseees. The
Lessee/Lesseees shall give 15 days previous notice in
writing to the Mining Engineer/Assistant Mining
Engineer of every such measuring or weighing in order
that he or some office on his behalf may be present
thereat.

(2) To allow test to weighing machine - The Lessee/Lesseees
shall allow any person or persons appointed in that
behalf by the Government at any time or all times
during the said term to examine and test every
weighing machine to be provided and kept as aforesaid and the weights used therewith in order to ascertain whether the same respectively are correct and in good repair and order and if upon any such examination or testing any such weighing machine or weight shall be found incorrect or out of order or repair or order, the Government may require that the same be adjusted, repaired and put in order and at the expenses of the Lessee/Lessee within fourteen days failing which the Government may cause such weighing machine or weight to be adjusted, repaired and put in order and the expenses of so doing shall be paid by the Lessee/Lessee to the Government on demand. And if upon any such examination of testing as aforesaid any error shall be discovered in any weighing machine or weights to the prejudice of the Government, such error shall be regarded as having existed for Three calendar months previous to the discovery thereof or inform the last occasion of so examining and testing the same weighing machine and weights, in case such occasion shall be within such period of three months and the said rent and royalty shall be paid and accounted for accordingly.

(3) Not to obstruct working of other minerals - The Lessee/Lessees will exercise the liberties and powers hereby granted in such manner as to cause no unnecessary or reasonably avoidable obstruction or interruption to the development of any workings within the said lands of any minerals not included in this lease and shall at all time afford to the Central and State Government and to the holders of prospecting licence or mining lease in respect of any such minerals within any land adjacent to the said lands as the case may be, reasonable means of access and safe convenient passage upon and across the said lands, to such minerals for purposes of getting, working, developing and carrying away the same provided that the Lessee/Lessees shall receive reasonable compensation for damage or injury which herthey may sustain in consequence of the use of such passage by such lessees or holders of prospecting licences.

(4) Forfeiture of property left more than six months after determination of lease: if on expiration of lease or earlier determination of the lease or after the date from which any surrender by the Lessee of a part or parts of the said lands under the provision contained in sub-clause (16) of clause 4 of this lease becomes
effective, there remain in or upon the said land or the surrendered part or parts, thereof as the case may be, any engines, machinery, plants, structures, tramways, railways, and other work erections and conveniences or other property which are not required by the Lessee/Lessees in connection with his/her operations in those part of the said lands they shall become the property of the Government and may be sold or disposed of in such manner after a period of 6 months from the date of expiration or earlier determination of the lease the Government may deem fit without liability to pay any compensation.

(5) Exemption of royalty for tenants - No royalty shall be charged on minor minerals required by the tenant for any bona fide purpose as specified in rule 59 of the rules.

(6) Further covenants of the Lessee - The Lessee/Lessees further covenants with the Government as follows:

(1) Interest - The Lessee/Lessees shall pay to the Government simple interest at the rate of 12% per annum on all amounts outstanding against the Lessee/Lessees under this lease, whether as dead rent, royalty, surface rent or otherwise.

(2) Keeping mines etc. in good order - The Lessee/Lessees shall keep throughout the term of the lease all mines, buildings, engines, machinery and other mining plants in good repair and working order.

(3) Taking ballast etc. for leased area only - The Lessee/Lessees shall take out and use ballast, Khandar and rubbles from his/her quarries for his/her bona fide use in the leased area only and shall pay royalty for minerals so used.

(4) Delivery of samples of rocks etc. - The Lessee/Lessees shall deliver to or permit to be taken by the representative of the Government a sample or samples of all rocks found on mines or raised and all intermediate and finished products sold on intended for sale by the Lessee/Lessees.
Security of pits and shafts and not filling them up. - The Lessees shall properly secure pits and shafts and will not without permission in writing of the Mining Engineer, willfully close, fill up or choke any mine or shafts.

Setting apart land for public purposes. - The Lessee/Lessees shall when required by the Government so to do, set apart land for public purposes and Government may occupy the same whenever it thinks necessary of expedient but the Government will, so far as is compatible with the objects aforesaid, select the land so as not to interfere with the mining operations of Lessee/Lessees and will from time to time pay the Lessee/Lessees such sums of money expended in buying surface rights over any of the lands set apart and cost of removal of any work carried there on and for any loss or damages caused to the Lessee/Lessees by any interference in the mining operations.

Abstaining from entering occupied land. - The Lessee/Lessees shall abstain from entering on the surface of any occupied Government land or of any private land comprised within the leased area without previously obtaining the consent of the occupant in writing.

The Lessee/Lessees shall abstain from opening any new quarry or depot in the leased area without the previous sanction of the Mining Engineer or Assistant Mining Engineer concerned.

Not to obstruct road etc. - The Lessee/Lessees shall keep open and in no way obstruct any road path or way by any means whatsoever.

Not of obstruct working of other minerals. - The Lessee/Lessees shall in the event of his/their declining to take a lease, permit the Government or other persons duly authorised by the Government in that behalf to enter into the leased area and to conduct prospecting and mining operations therein in respect of minerals or other substance other then. Notwithstanding the Government will, so far as is compatible with the objects aforesaid, select the land to be so set apart and appropriated in such a manner as not to
(10) To allow free use of tanks, water courses etc. to the public and Government, the Lessee/Lessee shall abstain from all interference with and allow to the public and the Government the free use of tanks, water courses, places of worship, sacred graves, burial grounds and village sites for houses which may be existing or may thereafter be set apart or appropriated as hereinbefore provided on the leased area.

(11) Not to use land for other purposes. - The Lessee/Lessee shall not cultivate or use the land save for the purposes of the lease.

(12) Not to enter upon or commence operations in forest land etc. - The Lessee/Lessee shall not enter upon or commence any mining operations in any State Forest or land under special protection comprised in the leased area except after previously obtaining permission in writing of the competent officer.

(13) To respect water rights and not to injure adjoining property. - The Lessee/Lessee shall not injure or cause to be injured any sources of water, power or water supply and shall not by any other manner of any spring or stream of water adjoining lands, villages or houses.

(14) Removal of stock of minerals on expiry or determination of the lease. - The Lessee/Lessee shall on the termination or earlier determination of the lease remove within 15 days all extracted minerals from the premises of the leased areas. All extracted minerals in the said lands left over undispersed after 15 days of the determination or determination of lease shall be deemed to be the property of the Government.
(15) **Supply of stones to the public.** - The Lessee/Lessors shall not unless prevented by reasonable cause e.g., collapse of the quarry etc., to the satisfaction of the Government, fail or neglect or delay to supply stones to the public at such times and within reasonable period of one month. (to be specified). In the event of unsatisfactory supply by the Lessee/Lessors to the local public, the District Officer, with the approval of the Director, may allow the consumers to quarry/extract with their own arrangement in the leased area outside the existing quarries or pores and the Lessee/Lessors will not be entitled to any royalty on this account but the same will be payable to the Government. The quantity will not be taken into account if the maximum quantity of stones so mentioned in Schedule I is met.

(17) **Employment of qualified Engineer etc. for the purposes of carrying out mining operations in accordance with approved practices.**

(1) Every holder of mining lease who pays an annual dead rent of or above Rs. 50,000/- (Rupees fifty thousand) but below Rs. 1,00,000/- (Rupees one lac) shall employ a whole time Mines Foreman.

(11) Every holder of mining lease who pays annual dead rent of or above Rs. 1,00,000/- (Rupees one lac) shall employ a whole time Mining Engineer.

Provided that Mining Engineer or Mines Foreman, employed by the Lessee shall possess the following qualifications namely:

[Signature]
(a) **Mining Engineer** - A graduate in Mining Engineering from the Indian School of Mines and Metallurgy, Dhanbad, having degree in Mining Engineering from an recognised University.

(b) **Mines Foreman** - Diploma in Mining Engineering from any recognised Polytechnic Institute.

Provided further that the lessee shall pay to the Mining Engineer/Mines Foreman, emoluments not below what would have been admissible to them in Government Service.

(3) **The lessee shall inform the Government of any change in his immovable property and its value within a period of 15 days from such change.**

7. **Calculation of royalty. Assignment of tax and recovery of dues.** - It is hereby further agreed between the parties hereto as follows:

1) The royalty payable hereunder shall be calculated on the quantity dispatched from or consumed within the leased area as per the rates prescribed in Schedule I of Rajasthan Minor Minerals Concession Rules, 1986.

2) The lessee/lessees shall not assign, sublet or part with the possession of the leased area or any part thereof except in the manner permitted by rule 15 of the said rules.

3) Without prejudice to any other mode of recovery under any provision of this lease or any law, all amounts falling due hereunder against the Lessee/Lessees may be recovered as arrears of land revenue under the law in force for such recovery.

4) The Lessee/Lessees shall duly and regularly pay to the competent authority all taxes, cesses and local dues in respect of the leased area, said minerals or the working of the mines.

8. **If in any event the orders of competent authority are revised or cancelled by the Appellate Authority or by State Government in pursuance of the proceedings under Chapter VI of the Rajasthan Minor Minerals Concession Rules, 1986 or any other provisions of the said rules, the Lessee/Lessees shall not be entitled to compensation for any loss sustained by him/them in exercise of the powers and privileges conferred upon him/them at these presents.**
1. राष्ट्रपति अधिनि अनुमान नीतिव नियुक्ति प्रमिया में 1996 एवं लेखिता की
शारण अमृत प्रमाणित मांस-माँस दान सूची पर संबंधित यो, अनुमधुरत
मांगे होगी।
2. वह शीघ्र हेतु की आदेश हेतु 25 श्रीवा की होंगे छोटे दान नाना
वाला विरित अदालत। तथा देवता लोग वादते हैं।
3. प्रदेरहार, को शीघ्रतिकर वनविचार को विशेषतः महादेवी आदेश।
शारण होंगे वो विशेष देवाता मांस की अनिवार्य में अन्तराल रूप से
कराना होगा।
4. त्रीन मात्रक नीति 1994 के विन्यास 12121 के अनुसार धान का
प्रशिक्षण इसने आदेश की विशेष देवाता में 6 वर्ष की अधिक में कराना
होगा।
5. आराध्यी खाता नमक-9 को विशेष प्रमाणित नामा है उसमें तन्ना
दार्दे नहीं करेगी एवं ओर खुशी नहीं हाता।
If in any event the order or the said lease or any other officer empowered under these rules are revoked, reviewed or cancelled by the competent authority or Court of Law, then Lessor/Lessors shall not be entitled to compensation for any loss sustained by the Lessor/Lessors in exercising the powers and privileges conferred upon him/them by the said lease.

In the event of the existence of a state of war or an emergency of which existence the Government shall be the sole judge and a notification to that effect in the Rajasthan Gazette shall be conclusive proof, the Government shall from time to time and at all times during the said terms have the right to be exercised by a notice in writing to the Lessor/Lessors forthwith to take possession and control of the works, plant, machinery and premises of the Lessor/Lessors situated on the said land or rent or agri or for use in connection with the said lands or the operations under this lease. During such possession or control and the Lessor/Lessors shall continue to and obey all directions given by or on behalf of the Government regarding use or employment of such works, plants, premises and minerals.

Provided that the fair compensation which shall be determined in default of agreement by the Government shall be paid to Lessor/Lessors for all loss or damage sustained by him/them by reason of or in consequence of the exercise of powers conferred by this clause.

Provided also that the exercise of such powers shall not determine the said terms hereby granted or affect the terms and provisions of these presents further than may be necessary to give effect to the provisions of this clause.

(a) Security and forfeiture thereof: The Government may forfeit the whole or part of the amount deposited by the Lessor/Lessors as security under this lease in case the Lessor/Lessors commits/commit a breach of any covenant to be performed by the Lessor/Lessors under this lease.

(b) Whenever the said security deposit or any part thereof or any further sum deposited with the Government in replacement thereof shall be forfeited under sub-clause (a) or applied by the Government in satisfaction of any dues of the
Government under this lease (which the Government is hereby authorised to do) and the Lessee/Lessee shall immediately deposit with the Government such further sum a may be sufficient with the unappropriated part thereof to bring the amount in deposit with the Government up to the sum of Rs. 1255/-.

(c) The right, conferred by this clause shall be without prejudice to the right conferred on the Government by any other provision of this lease or by any law.

12. Interpretation - In this lease unless the context otherwise requires:
(a) 'Department' means the Department of Mines & Geology, Rajasthan
(b) 'Director' means the Director of the Mines and Geology, Rajasthan for the time being and includes any officer lawfully authorised by him to perform any of his functions
(c) 'Government' includes an officer of the Government to whom any powers of the Government have been for the time being lawfully delegated.

IN WITNESS WHEREOF this indenture has been signed by the Lessee/Lessee

Signed by Lessee/Lessee, Sushma

And by,...........................

Witness (1)...........................

Witness (2).........................

Sushma RAGHAV

By Order and on behalf of the Government of Rajasthan

Signature

[Signature]

[Designation]

(Plan with boundary marks of demarcation report to be annexed)
(1) કાલના વસ્તુને 1.2 મીટરમાં છોડી દિાિ

(2) તેને હેલિક્ષાપ વાડવા માટે તે કેવી પણ છે?

(3) તેને વિસ્તારમાં વધારવા માટે તે કેવી પણ છે?

(4) તેને સ્થિર રીતે સાધ્ય સંપાદન કરવા માટે તે કેવી પણ છે?

(5) તેને સ્થિર રીતે સંપાદન કરવા માટે તે કેવી પણ છે?

(6) સમજૂત્ય સમાનતા નથી હેઠળ એવી ખેલાડી જે સેટની શરૂ કરી

A 90° 100
B 90° 100
C 90° 100
D 90° 100
E 90° 100
F 90° 100
G 90° 100
H 90° 100
I 90° 100
J 90° 100
K 90° 100
L 90° 100
M 90° 100
N 90° 100
O 90° 100
P 90° 100
Q 90° 100
R 90° 100
S 90° 100
T 90° 100
U 90° 100
V 90° 100
W 90° 100
X 90° 100
Y 90° 100
Z 90° 100

સૂચના - (i) ફિનને હેક્ટ્રામાં યાં ન છે?
(ii) ફિનને હેક્ટરમાં યાં છે?
(iii) ફિનને હેક્ટરમાં યાં ન છે?

અન્ય - (i) ફિનને હેક્ટરમાં યાં છે?
(ii) ફિનને હેક્ટરમાં યાં છે?
(iii) ફિનને હેક્ટરમાં યાં છે?

સુરેન અંજુમેલ
ਸੂੰਨਾ ਸੁੰਨਾਲ

16/7/1999

ਸੂੰਨਾ ਸੁੰਨਾਲ

16/7/1999

ਸੂੰਨਾ ਸੁੰਨਾਲ

16/7/1999