

**M/S DELTA M SAND PVT
LTD**

**COMPLIANCE REPORT
OCTOBER 2022 – MARCH 2023**

**TRIVANDRUM DISTRICT
KERALA**

**DELTA MSAND PRIVATE LIMITED**

VATTAKULAM MALA ROAD, ANAVOOR P.O., NEYYATTINKARA, TRIVANDRUM - 695124, KERALA.

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CIN No. U14100KL2011PTC027719

Dt: 31-08-2023

The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests & Climate Change,
4th Floor, E& F Wing, Kendriya Sadan,
Koramangala, Bangalore - 560034

Ref :- File No. 109/SEIAA/KL/1807/2013

**Sub :- Environment Clearance – Quarry project Perumkadavila Village
and Panchayat, Neyyatinkara Taluk, Thiruvananthapuram District, Kerala
in an area of 4.5843 hectares.– Compliance Report – Second half -
Reg.**

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 4.5843 hectare by order No. 109/SEIAA/KL/1807/2013 dated 22-11-2013 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **Second half** (October 2022 – March 2023) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

For M/S Delta M Sand Pvt. Ltd



Copy to:-

**The Member Secretary
State Environment Impact Assessment Authority (SEIAA),
Thiruvananthapuram, Kerala.**

**COMPLIANCE REPORT
TO
THE CONDITIONS
OF
ENVIRONMENTAL CLEARANCE ORDER
NO: 109/SEIAA/KL/1807/2013
Dated: 22-11-2013**

BY
**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(SEIAA)
FOR
BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT**

AT
**SURVEY NO. 525/2, 523/2, 523/2-1, 523/2-2, 523/3, 523/3-1, 523/4,
523/5-1, 523/6, 524/1, 524/1-2, 524/1-3, AND 524/1-4 AT
PERUMKADAVILLA VILLAGE AND PANCHAYAT,
NEYYATINKARA TALUK, THIRUVANANTHAPURAM DISTRICT,
KERALA**

**BY
M/S DELTA M SAND PVT LTD
THIRUVANANTHAPURAM
KERALA**

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INTRODUCTION

M/s Delta M Sand Pvt. Ltd is a building metal stone quarry located at survey no. 525/2, 523/2, 523/2-1, 523/2-2, 523/3, 523/3-1, 523/4, 523/5-1, 523/6, 524/1, 524/1-2, 524/1-3, and 524/1-4 at Perumkadavilla village and Panchayat, Neyyatinkara Taluk, Thiruvananthapuram District, Kerala.

The quarry project was accorded with environmental clearance by State Environmental Impact Assessment Authority on 22-11-2013. As part of general condition No.37 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of Second half to the specific conditions and general conditions of the Environmental Clearance order for the period of **October 2022 – March 2023** is being submitted.

COMPLIANCE REPORT
SPECIFIC CONDITIONS
PART A

PART - A – SPECIFIC CONDITIONS

| | | |
|----------|--|-----------------|
| 1 | A 100 m No Development Zone should be left on either side of the nearby canal. It should be demarcated on the ground with pillars and fenced. | Complied |
|----------|--|-----------------|

Compliance

As part of conditions specified in the EC, No Development zone of 100 meters from the nearby canal to the mining area has been left and demarcated on the ground with pillars. This measure was done as per the direction of State Environmental Impact Assessment Impact Authority, Thiruvananthapuram.

| | | |
|----------|--|-----------------|
| 2 | Storm water should be directed to the pond in existence before letting out. | Complied |
|----------|--|-----------------|

Compliance

As part of storm water management, proper drains constructed in the project site. The Storm water from the mining area has been directing into the existing pond before letting out. Therefore, quarry wastes are settling at the pond and only clear water letting out. Photographs showing the pond and the channels are given in **Plate No.1**

| | | |
|----------|---|-----------------|
| 3 | Stipulation of KSPCB should be fully complied with for the crusher unit. | Complied |
|----------|---|-----------------|

Compliance

A crusher unit is working near to the quarry area with proper consent from KSPCB. All stipulations prescribed in the consent to operation by the KSPCB are scrupulously followed by the proponent in the Crusher unit. The officers from KSPCB are regularly visits the unit.

| | | |
|----------|--|-----------------|
| 4 | A buffer distance of 15 m should be left from the village boundary to the project site. | Complied |
|----------|--|-----------------|

Compliance

The project proponent has left a buffer distance of 15 meters from the village boundary to the project site as per the direction of State Environment Impact Assessment Authority, (SEIAA) Kerala.

| | | |
|----------|--|-----------------|
| 5 | Retaining wall should be provided to the storage of overburden. | Complied |
|----------|--|-----------------|

Compliance

To prevent erosion of soil and overburden during the time of monsoon, the project proponent has constructed a retaining wall at the area where overburden is stored.

| | | |
|----------|---|-----------------|
| 6 | The approach road to the quarry is narrow and not hard top. It should be tarred. | Complied |
|----------|---|-----------------|

Compliance

The approach road to the quarry has been laid with 40 mm metal and compacted properly. A portion of the road has been concreted. The project has been tarred the access road for hassle free transportation.

| | | |
|----------|---|-----------------|
| 7 | Split of CSR should be provided with budget allocations. | Complied |
|----------|---|-----------------|

The project proponent has been doing many social activities under the Corporate Social Responsibility (CSR) of the company.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

| | | |
|----------|--|-----------------|
| 1 | Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere. | Complied |
|----------|--|-----------------|

Compliance:

All runoff from the quarry site is collected at the mined out pit in the existing lease. The project proponent has developed two rain water harvesting ponds in the project site. The excess clear water is flowing to the public drainage after proper filtration. The water from pond is mainly used for crusher work, watering of plants, wetting of roads and sprinkler system for contain dust emission. The photograph of Rain water collection pond is provided in **Plate No. 1**

| | | |
|----------|---|-----------------|
| 2 | Environment Monitoring Cell (EMC) as agreed under the affidavit filed by the proponent should be formed and made functional. | Complied |
|----------|---|-----------------|

Compliance

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent formed an Environmental Monitoring Cell (EMC) with **Mr. Jijo Mathew** as head of the monitoring cell. The EMC meeting convenes regularly for a sustainable environment. The details of the monitoring cell are given below in the **Table No.1**. The EMC minutes report is attached as **Annexure No. 1**.

TABLE No. 1 - ENVIRONMENTAL MONITORING CELL (EMC)

| Sl. No. | Post | Name |
|---------|------------------------------|-------------------|
| 1. | Head of the monitoring cell | : Saji Thomas |
| 2. | Head in charge (Environment) | : Tomin Sunny |
| 3. | Member | : Samuel Mathew K |
| 4. | Member | : Ranjith R |
| 5. | Member | : P J Philipose |
| 6. | Member | : Suresh |

| | | |
|---|--|-----------------|
| 3 | Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads. | complied |
|---|--|-----------------|

Compliance

The proponent has planted various saplings along either side of the roads, parking area and other areas in the project land. There are natural vegetations including trees, shrubs, herbs and climbers also present in the project area. The photograph of avenue trees is attached as **Plate No. 2**.

TABLE No. 2 - Details of the natural vegetation existing along the road side

| Sl. No. | Scientific Name | Common Name | Family | Habit |
|---------|----------------------------|------------------|------------------|---------|
| 1. | <i>Swietenia mahagoni</i> | Mahagony | <i>Meliaceae</i> | Tree |
| 2. | <i>Bambusa bambos</i> | Mula | <i>Poaceae</i> | Herb |
| 3. | <i>Chromolaena odorata</i> | Communist-pacha | Compositae | Shrub |
| 4. | <i>Cocos nucifera</i> | Thengu / Coconut | Arecaceae | Tree |
| 5. | <i>Mangifera indica</i> | Mavu | Anacardiaceae | Tree |
| 6. | <i>Tectona grandis</i> | Thekku | Verbenaceae | Tree |
| 7. | <i>Ziziphus oenopolia</i> | Thodalli | Rhamnaceae | Climber |

| | | |
|----|---|-----------------|
| 04 | Maximum possible solar energy generation and utilization shall be ensures as an essential part of the project. | Complied |
|----|---|-----------------|

Compliance:

The project proponent has installed 10 solar street lights to reduce electrical consumption from KSEB (Conventional sources). As part of this, the project proponent could reduce the use of energy from conventional sources. The photograph of the solar street light is provided in **Plate No.3**. The copy of the bill is attached as **Annexure No. 2**.

| | | |
|----|--|-----------------|
| 05 | Sprinklers shall be installed and used in the project site to contain dust emissions. | Complied |
|----|--|-----------------|

Compliance:

To prevent dust emission, sprinklers are installed in the project site. In order to reduce dust emissions from the road while transportation of materials, the project proponent is spraying water on roads during summer season at regular intervals. This help to suppress dust during the time summer season. The photograph of tanker vehicle is provided as **Plate No. 4**.

| | | |
|-----------|--|--------------|
| 06 | Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent. | Noted |
|-----------|--|--------------|

Compliance:

As part of eco restoration, the project proponent has started to plant various saplings within the project area. The mine closure plan will be done at own cost of project proponent as agreed in the proposal. The planted and proposed sapling to be planted in the project site is given below in the **Table No. 4**.

TABLE 3 Details of the saplings planted within the project area

| Sl. No. | Scientific Name | Common Name | Family | Habitat |
|----------------|---------------------------------|--------------------|----------------------|----------------|
| 1 | <i>Artocarpus heterophyllus</i> | Plavu | <i>Moraceae</i> | Tree |
| 2 | <i>Capsicum frutescens</i> | Kanharimulaku | <i>Solanaceae</i> | Herb |
| 3 | <i>Carica papaya</i> | Papaya | <i>Caricaceae</i> | Tree |
| 4 | <i>Cocos nucifera</i> | Thengu | <i>Arecaceae</i> | Tree |
| 5 | <i>Curcuma longa</i> | Manjal | <i>Zingiberaceae</i> | Herb |
| 6 | <i>Mangifera indica</i> | Mavu | <i>Anacardiaceae</i> | Tree |
| 7 | <i>Musa paradisiaca</i> | Vazha | <i>Musaceae</i> | Herb |
| 8 | <i>Swietenia mahagoni</i> | Mahagony | <i>Meliaceae</i> | Tree |
| 9 | <i>Tectona grandis</i> | Thekku | <i>Verbenaceae</i> | Tree |

| | | |
|-----------|--|--------------|
| 07 | At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly. | Noted |
|-----------|--|--------------|

Compliance:

The project proponent is intending to retain 10 percent of total excavated pit as rain water storage area after closure of the mine. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan, the project proponent will plant indigenous plant species that are eco – friendly on the reclaimed area.

| | | |
|-----------|---|-----------------|
| 08 | Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented | Complied |
|-----------|---|-----------------|

Compliance:

As part of inclusive growth of the community, the project proponent executes various activities under Corporate Social Responsibility/ Corporate Environmental Responsibility of the firm with the consultation of Panchayath.

| | | |
|-----------|---|-----------------|
| 09 | The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mine. | Complied |
|-----------|---|-----------------|

Compliance:

As part of demarcation of lease area and to prevent falling of animals/human being/dumping of garbage etc, the project proponent has erected barbed metal wire fencing around the mining area with height of 4 ft before the starting of mining. All the boundary indicators are protected at all times and clearly visible at any time. The purchase bill of materials is given in **Annexure No.3**.

| | | |
|-----------|--|-----------------|
| 10 | Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department. | Complied |
|-----------|--|-----------------|

Compliance:

As per the stipulation of Explosive department, the project proponent has installed warning alarms in the quarry site. This siren is blown before blasting and after blasting. The blasting timings are displayed in the prominent area by way of caution

board. The time of blasting in the quarry is between 10.00 am to 4.00 pm on all working days. The photograph of warning alarm is attached as **Plate No. 5**.

| | | |
|-----------|---|-----------------|
| 11 | Control measures on noise and vibration prescribed by KSPCB should be implemented. | Complied |
|-----------|---|-----------------|

Compliance:

To reduce noise level in the project site, the project proponent has implemented mitigate masseurs. The major noise generating sources from the mining activity is working machineries, drilling, blasting and plying of vehicles. The following control measures are undertaken to bringing down the noise levels:-

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- The mining activity held in day time only.

Blast vibrations and control measures

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.
- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.
- ❖ Appointed qualified personals to do the mining activity.
- ❖ NONEL detonators is using for the blasting operations

| | | |
|-----------|--|-----------------|
| 12 | Quarrying activities should be limited to day time as per KSPCB guidelines. | Complied |
|-----------|--|-----------------|

Compliance:

To reduce the inconvenience of nearby houses and community Quarrying activities are limited to day time only as per KSPCB guidelines. The quarry working time is 7.00am to 5.00 pm. This helps to limit the sound pollution.

| | | |
|----|---|-----------------|
| 13 | Blasting should be done in a controlled manner as specified by the regulations of explosives department or any other concerned agency. | Complied |
|----|---|-----------------|

Compliance:

To prevent possible fly rock and other adverse impact from blasting, the blasting is done in controlled manner by using NONEL Technology. All blasting activities are carrying out with the specified regulations of explosive department. All blasting are under careful supervision of qualified persons. The project proponent has installed proper sign boards in the quarry site which is attached as **Plate No.6**.

| | | |
|----|--|-----------------|
| 14 | A licensed person should supervise/control the blasting operations. | Complied |
|----|--|-----------------|

Compliance:

To monitor blasting and extraction of minerals, the project proponent has appointed mining mates, Mines Manager and foreman in the site to supervise/control exploitation of minor minerals including blasting at the project site. **Annexure No.4** shows the certificate of mines Manager, foreman and Mining mate.

| | | |
|----|--|-----------------|
| 15 | Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials. | Complied |
|----|--|-----------------|

Compliance:

To contain dust emissions, the project has tarred the access road of 500 meter and maintaining in good manner. The project proponent splashes water on the road to prevent dust emission. The project proponent is regularly maintaining the access road. Same is attached as **Plate No. 4**

| | | |
|----|---|-----------------|
| 16 | Overburden materials should be managed within the site and the old quarries, if any, should be restored. | complied |
|----|---|-----------------|

Compliance:

The overburden and topsoil need to extract during the time of mining, these natural resources are stored at designated place within the project site. This is being used to restore the exploited area in future. To prevent soil erosion grass is planted on the overburden and topsoil. The photograph of over burden is attached as **Plate No.7.**

| | | |
|----|---|-----------------|
| 17 | Height of the benches should not exceed 5m and width should not be less than 5m. | complied |
|----|---|-----------------|

Compliance:

The quarrying activity in the project site is progressing by creating benches of 5m width and 5m height. The formation of benches is under the direction and supervision of competent person. **Plate No. 8** showing the same.

| | | |
|----|---|-----------------|
| 18 | Mats to reduce fly rock blast to a maximum of 10 PPV should be provided. | Complied |
|----|---|-----------------|

Compliance:

The blasting mat is using during blasting time to prevent fly rock. The correct quantity of explosive is used under the supervision of qualifies person. The project is using NONEL technology and ordinary detonator for blasting. Therefore there is no issue with fly rock in the community.

| | | |
|----|--|-----------------|
| 19 | Maximum depth of mining from general ground level at site shall not exceed 10m. | Complied |
|----|--|-----------------|

Compliance:

The mining depth does not exceed beyond 10 meter from the general ground level .

| | | |
|----|--|--------------|
| 20 | No mining operations should be carried out at places having a slope greater than 45°. | Noted |
|----|--|--------------|

Compliance:

No mining operation is carried out with a slope greater than 45°.

| | | |
|----|---|-----------------|
| 21 | Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB. | Complied |
|----|---|-----------------|

Compliance:

To reduce sound amplification from crusher unit, the machines of crusher unit is housed with solid bricks. A green belt is also developed around the unit to reduce noise and air pollution. This helps the noise and sound level is kept within the prescribed standards. The project proponent has regularly maintained the machineries of crushing the building stones. The labours in the unit are wearing ear plugs to reduce the impact of noise generating from the machines. The photograph of crusher unit is provided in **Plate No.9**.

| | | |
|----|--|-----------------|
| 22 | The workers on the site should be provided with the required protective equipments such as ear muffs, helmet, etc | Complied |
|----|--|-----------------|

Compliance:

To ensure the safety of workers in working site the project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, gloves, etc. The workers wearing PPE are provided at **Plate No. 15**.

| | | |
|----|--|-----------------|
| 23 | Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water. | complied |
|----|--|-----------------|

Compliance:

To manage storm water, the project proponent has constructed drains and clarifiers in the lower slopes of the project area for storm water management. The storm water channelized to the Rain water harvesting pond, the sediments is being settled down in the bottom of the pond the over flow from the pond is directed to pond constructed at the lower side of at the project site. The photograph of the drain is provided in **Plate No.10**. The photograph of the de-siltation tank is provided in **Plate No.16**.

| | | |
|-----------|---|-----------------|
| 24 | The transportation of minerals should be done in covered trucks to contain dust emissions. | Complied |
|-----------|---|-----------------|

Compliance:

The project proponent assure that the trucks are covered to avoid dust emission from the vehicle while transportation of materials. A photograph of covered trucks is provided in **Plate No.11**.

| | | |
|-----------|---|-----------------|
| 25 | The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project. | complied |
|-----------|---|-----------------|

Compliance:

As part of concurrent eco restoration, the project proponent has planted various saplings in the project area as a compensation of loss of trees while clearing the land for mining. The list of tree saplings planted in the project site as part of eco-restoration is provided in **Table No 4**.

| | | |
|-----------|---|-----------------|
| 26 | Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations. | complied |
|-----------|---|-----------------|

Compliance:

A portion of spent oil is being used as lubricant in the project site. The excess used oil sold only to the approved recyclers.

| | | |
|----|--|-----------------|
| 27 | Explosives should be stored in magazines in isolated place specified and approved by the explosives department. | complied |
|----|--|-----------------|

Compliance:

As part of mandate, explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine is fenced with barbed metal wire. The photograph of magazine is attached as **Plate No.12**.

| | | |
|----|---|-----------------|
| 28 | A minimum buffer distance of hundred meters from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided. | Complied |
|----|---|-----------------|

Compliance:

To reduce the adverse impact on community life, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project. The distance of the nearest house is 127 meter form the quarry.

| | | |
|----|---|--------------|
| 29 | 100 m buffer distance should be maintained from forest boundaries. | Noted |
|----|---|--------------|

Compliance:

There is no forest in the 100 meter vicinity to the project site.

| | | |
|----|---|-----------------|
| 30 | Consent from Kerala Pollution Control Board under water and Air act(s) should have been obtained before initiating activity. | Complied |
|----|---|-----------------|

Compliance:

The Project proponent has obtained "*Consent to Operate*" (Renewal) from Kerala State Pollution Control Board. The copy of consent is provided in **Annexure 5**. All conditions stipulated in consent are complied with.

| | | |
|----|---|----------|
| 31 | All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives. | Complied |
|----|---|----------|

Compliance:

All statutory clearances, approvals, licenses are obtained from concerned authorities. All conditions stipulated in such approvals are strictly followed. The obtained approvals are mentioned in table No.5. The copies of approvals are given in Annexure Nos. 5, 6, 7, 8 & 9.

TABLE 4– APPROVALS FROM COMPETENT AUTHORITIES

| Name of the Statutory approval | Name of the Statutory authority |
|--------------------------------|---|
| Environmental Clearance order | State Environmental Impact Assessment Authority, Kerala |
| “Consent to Operate” | Kerala State Pollution Control Board |
| Explosive License | Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO) |
| License for quarry operations | Gram Panchayath |
| lease order | Directorate of Mining and Geology |

| | | |
|----|---|-------|
| 32 | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority | Noted |
|----|---|-------|

Compliance:

In case of any change(s) in the scope of the project, the proponent will apply for fresh appraisal to get the Environmental Clearance.

| | | |
|----|---|-------|
| 33 | The Authority reserves the right to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act 1986, to | Noted |
|----|---|-------|

| | | |
|--|---|--|
| | ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner. | |
|--|---|--|

Compliance:

The project proponent is aware and agreed with right of authority to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

| | | |
|-----------|---|-----------------|
| 34 | The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, The Environment (Protection) Act, 1986, the public liability (Insurance) Act, 1991 and EIA notification, 2006. | Complied |
|-----------|---|-----------------|

Compliance:

The stipulated orders and directions under different act and notification including EIA notification are being scrupulously followed. A brief list of various Acts and notifications which are followed by the proponent is given below

1. **The Environment Protection Act,1986**
2. **Water (Prevention and Control of Pollution) Act, 1974**
3. **The Air (Prevention and Control of Pollution) Act, 1981**
4. **The Public Liability (Insurance) Act,1991**
5. **Municipal Solid Waste (Management and Handling) Act,2016**
6. **Hazardous and Other Wastes (Management and handling) Rules, 1989.**
7. **EIA notification, 2006**
8. **The Kerala Minor Mineral Concession Rules 2015.**

| | | |
|-----------|--|-----------------|
| 35 | The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular | Complied |
|-----------|--|-----------------|

| | | |
|--|---|--|
| | <p>language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. <u>The advertisement should be made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.</u></p> | |
|--|---|--|

Compliance:

An advertisement in two local newspapers regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala.

| | | |
|----|--|----------|
| 36 | <p>A copy of the clearance letter shall be sent by the proponent to concerned Grama/District Panchayath / Municipality / Corporation / Urban Local Body and also to the Local NGO, if any from whom suggestions / representations, if any were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.</p> | Complied |
|----|--|----------|

Compliance:

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore does not give the copy of clearance latter to anyone. The Environmental clearance and compliance reports are attached in the website www.deltagroups.in

| | | |
|----|--|----------|
| 37 | <p>The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hand copies as well as by e-mail)</p> | Complied |
|----|--|----------|

| | | |
|--|--|--|
| | and upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also the Directorate of Environment and Climate Change, Govt. of Kerala. | |
|--|--|--|

Compliance:

The compliance report is regularly submitted along with the results of monitored data to the State Environmental Impact assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as Email. The monitoring result of is attached as **Annexure Nos. 10, 11 & 12.**

| | | |
|-----------|--|-----------------|
| 38 | The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extant of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public. | complied |
|-----------|--|-----------------|

Compliance:

The details of Environmental Clearance are prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extant of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public. The photograph of the board is attached as **Plate No. 13**

| | | |
|-----------|--|-----------------|
| 39 | The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed. | Complied |
|-----------|--|-----------------|

Compliance:

An assurance in the form of affidavit was already submitted to SEIAA Kerala.

PLATES

Plate No.1



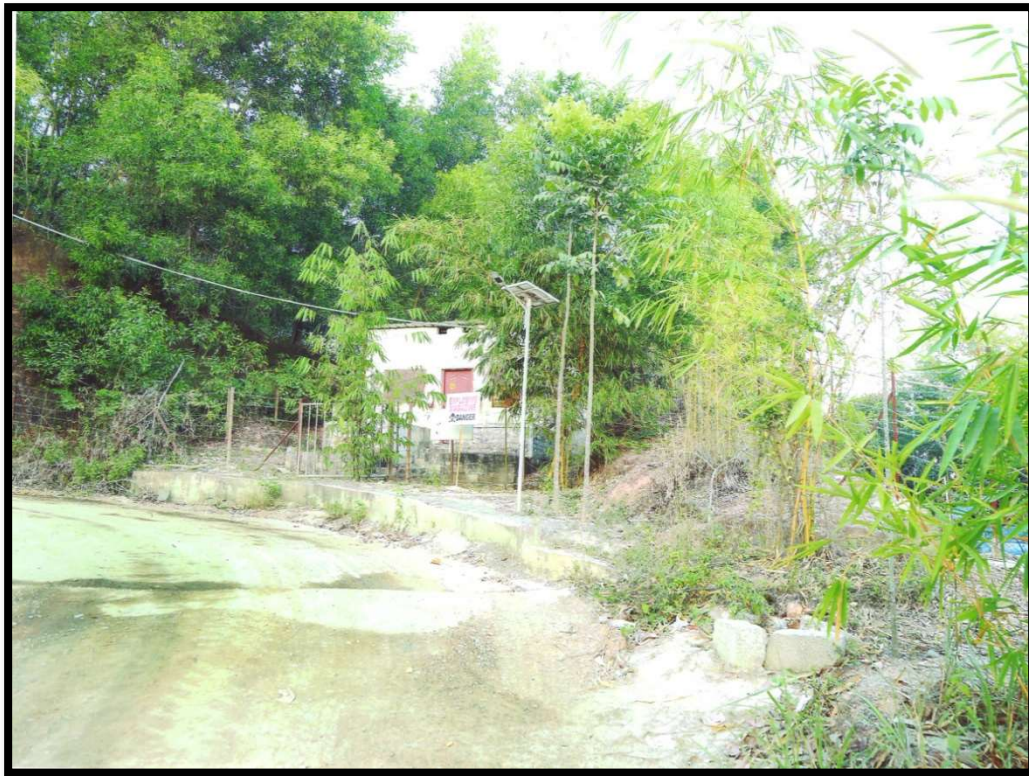
Rain Water Harvesting Pond

Plate No. 2



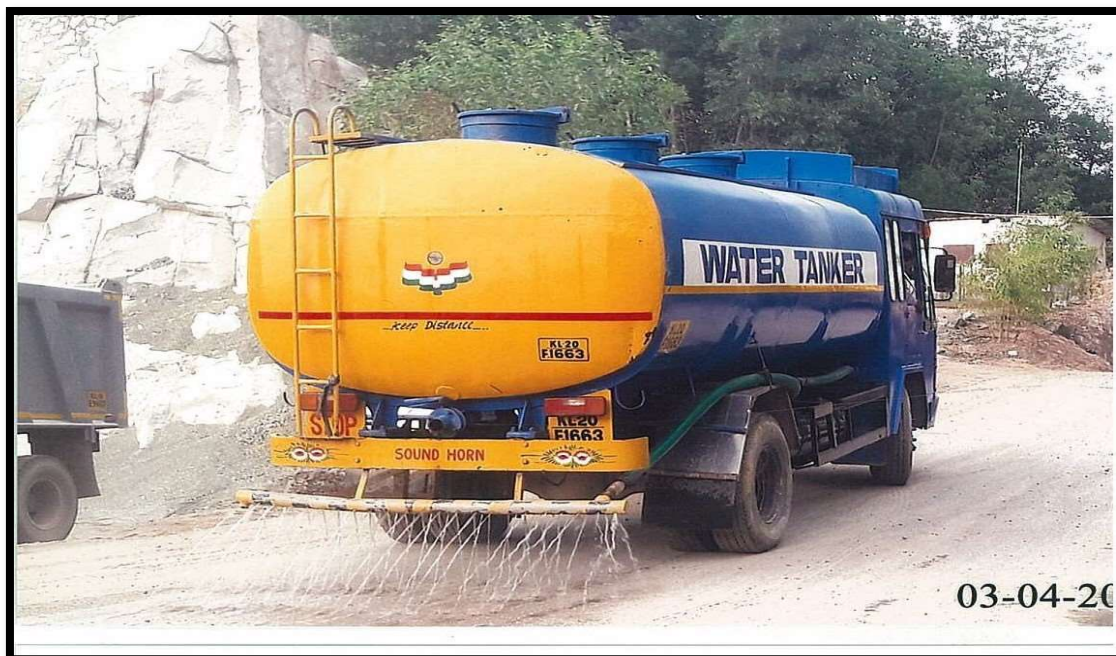
Avenue trees planted along the road side

Plate No. 3



Solar Street Light

Plate No. 4



Tanker vehicle

Plate No.5



Warning alarm

Plate No.6





Sign Board

Plate No.7



**Overburden
Plate No.8**



Bench System at quarry

Plate No. 9



Crusher unit

Plate No.10



Drainage

Plate No.11



Covered truck

Plate No.12



Magazine

Plate No. 13



EC board

Plate No. 14



Access Road

Plate No. 15



Workers with PPE

Plate No. 16



De-siltation Tank

ANNEXURE

Annexure No.1

03

22/11/2021 Meeting minutes of the EMC

- പങ്കെടുത്തവർ
- മോഡൻ ഫിലിപ്പ്
- ശങ്കരൻ
- നല്ലി മോഡൻ
- പി.ജെ. ഫിലിപ്പസ്
- ശങ്കരൻ.
- ശ്രീജ. ജോർജ്.

വിഷയം

അതിലെ 11.00 മണിക്ക് എം.ഡി. ശ്രീ മോഡൻ ഫിലിപ്പി
 ന്റെ അദ്ധ്യക്ഷതയിൽ കമ്പനി അസംബ്ലി. 20.08.2021-ലെ
 ചർച്ച ചെയ്ത - മണ്ണു കുഴലങ്ങൾ നടപ്പിലാക്കുന്നതിൽ കമ്പനി
 അംഗങ്ങൾ അറിയിച്ച, കൂടുതൽ ഉദ്ദേശ്യ നിയമ ഭേദം വന്ന
 നിലവാരം ചുമത്തി നൽകിയിട്ടുണ്ട്. ഉദ്ദേശ്യ സാധനങ്ങൾ നൽകിയിട്ടുണ്ട്.

ചുമ്പി ഉദ്ദേശ്യ കമ്പനിയുടെ ശ്രീജ. ജോർജ്ജ്
 വിശദമായി വിവരങ്ങൾ കമ്പനി അംഗങ്ങൾക്ക് അറിയിച്ചു. ഇതിൽ
 പല ചർച്ചകളിലൂടെ കമ്പനിയുടെ അംഗങ്ങൾ കമ്പനി
 അറിയിച്ചതും ഉൾക്കൊള്ളിയിട്ടുണ്ട്.

ചർച്ച


കൂടുതൽ ജനറലിംഗ് ചെയ്തും കമ്പനി കീഴടക്കുന്നതിൽ
 എല്ലാ അംഗങ്ങൾക്കുമായി - മണ്ണു കുഴലം നൽകി. ഭേദം വന്ന
 കമ്പനി അറിയിച്ചതും മണ്ണു കുഴലം നൽകിയിട്ടുണ്ട്.

പ്രതിബദ്ധതകൾ

കൂടുതൽ കമ്പനിയുടെ കമ്പനി കീഴടക്കുന്നതിൽ
 - മണ്ണു കുഴലം നൽകിയിട്ടുണ്ട്. ഇതിൽ 1-30 PM മണിയ്ക്ക്
 മണ്ണു കുഴലം നൽകിയിട്ടുണ്ട്. കമ്പനി അറിയിച്ചതും മണ്ണു കുഴലം നൽകിയിട്ടുണ്ട്.

Minutes of EMC

Annexure No.2



SUNTECH

green energy

T.C.33/920/3, Vattiyorkavu-695013, Ph : 0471-3294099

WARRANTY CARD


| | |
|------------------------|--------|
| 01.solar panel | 5 year |
| 02.exide 26ah battery | 2year |
| 03.solar led luminary | 1year |
| Total system guarantee | 1year |

Solar panel life 25 years, Led luminary life 50000 hours

CUSTOMER NAME; DELTA MSAND PVT.LTD

THERANI, ANAVOOR

ISSUED DATE : 28/07/14.



Manufacturers, Distributors & System Integrators

- Domestic Windmills • Solar Power Plants • Solar PCU • Solar Panels • Traffic Signal Lights
- Solar Lightings • Solar water Heating Systems UPS • Batteries & Spares

Website : www.enarchgroup.com

Sebi C J, 9346017904 | Sebi@enarchgroup.com

Bill of solar panel

Annexure No. 3

Tax Invoice (DUPLICATE FOR TRANSPORTER)

Safi Traders
 IRON AND STEEL MERCHANTS
 KP 7/1893
 KARAKONAM
 TRIVANDRUM 695504
 GSTIN/UIN: 32AAUFS3725N1ZM
 State Name : Kerala, Code : 32

Buyer
DELTA M SAND
 ANAVOOR
 GSTIN/UIN : 32AADCD7534L1ZL
 State Name : Kerala, Code : 32

Invoice No. **980** Dated **4-Dec-2017**
 Delivery Note Mode/Terms of Payment
 Supplier's Ref. Other Reference(s) **KL 62 B 2066**
 Buyer's Order No. Dated
 Despatch Document No. Delivery Note Date
 Despatched through Destination **ANAVOOR**
 Terms of Delivery

| Sl No | Description of Goods | HSN/SAC | Quantity | Rate | per | Amount |
|------------------------|----------------------|----------|--------------|-------------------|-----|--------------------|
| 1 | Tmt Bar Isi 20MM | 72142090 | 140.000 Kg | 34.23 | Kg | 4,792.20 |
| 2 | M.S. ANGLE 50X6 | 72162100 | 209.400 Kg | 34.32 | Kg | 7,186.61 |
| 3 | Tmt Bar Isi 20MM | 72142090 | 27.200 Kg | 34.23 | Kg | 931.06 |
| 4 | Gi Pipe 1 | 72163100 | 16.400 Kg | 74.39 | Kg | 1,220.00 |
| | | | | | | 14,129.87 |
| Cgst @9% | | | | | | 9 % 1,271.69 |
| Sgst @ 9% | | | | | | 9 % 1,271.69 |
| ROUNDED OFF +/- | | | | | | (-)0.25 |
| Less: | | | | | | |
| | | | Total | 393.000 Kg | | ₹ 16,673.00 |

E. & O. B

Amount Chargeable (in words)
Indian Rupees Sixteen Thousand Six Hundred Seventy Three Only

| HSN/SAC | Taxable Value | Central Tax | | State Tax | | Total Tax Amount |
|--------------|------------------|-------------|-----------------|-----------|-----------------|------------------|
| | | Rate | Amount | Rate | Amount | |
| 72142090 | 5,723.26 | 9% | 515.10 | 9% | 515.10 | 1,030.20 |
| 72162100 | 7,186.61 | 9% | 646.79 | 9% | 646.79 | 1,293.58 |
| 72163100 | 1,220.00 | 9% | 109.80 | 9% | 109.80 | 219.60 |
| Total | 14,129.87 | | 1,271.69 | | 1,271.69 | 2,543.38 |

Tax Amount (in words) : **Indian Rupees Two Thousand Five Hundred Forty Three and Thirty Eight paise Only**

Company's VAT TIN : 32010904258

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for Safi Traders
 Authorised Signatory

This is a Computer Generated Invoice

Bill for fencing metrials


Anneixre No.4

REGISTERED

Government of India
Ministry of Labour
Directorate-General of Mines Safety

No. Exam/Field/MGR-I/Metal(R)/ 69 Dated, Dhanbad, the 13/3/2002

To
 Shri A. Mukundan
Burn Standard Co. Ltd.
Salem - 636 005
Tamilnadu



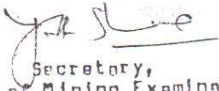
for Burn Standard Co.
A. Mukundan

MEMORANDUM

Ref:- His application dated 29/12/2001.

By virtue of Government Notification No. SO.712(E) dated 13.12.74, Shri A. Mukundan s/o. Gopalan Naib of Village Burn Standard Co. Ltd. P.O. Salem Thana Salem District Salem State Tamilnadu Born on 24.5.1948 (24th. May 1948) having passed the required examination and on compliance with the other requirements has become eligible to work in the capacity requiring the possession of First Class Manager's Certificate (Restricted to mines having open cast workings only) under the Metalliferous Mines Regulations, 1961 with effect from 28/4/2000 till the above Notification remains in force.

Encl:- one


 Secretary,
 Board of Mining Examinations and
 Director of Mines Safety (Exam.)

Certified that he was medically examined on 20/02/2008 and found to be fit to carry out the prescribed duties upto 13/02/2009






17/02/2008

16/02/2008

Certified that he was medically examined on 18/02/2007 and found to be fit to carry out the prescribed duties upto 17/02/2010

17/02/2010


Certificate of mines manager

| | | |
|---|--|--|
|  सत्यमेव जयते |  |  G. NAVEEN KUMAR S. N. N. J. Mines Manager, Veerachipalayam Limestone |
| Cert No. FRE/3807 | | |
| भारत सरकार/Government of India खान अधिनियम, 1952/Mines Act, 1952 खनन परीक्षा बोर्ड/Board of Mining Examinations | | |
| फोरमैन सक्षमता प्रमाण-पत्र FOREMAN'S CERTIFICATE OF COMPETENCY (केवल ओपनकास्ट खानों तक सीमित) (Restricted to mines having opencast working only) (धात्विकीय खान विनियम, 1961 के अन्तर्गत) (Under the Metalliferous Mines Regulations, 1961) | | |
| श्री नवीन कुमार जी जिनकी जन्म तिथि 13.09.1990 | सुपुत्र गोविन्दन है, को विहित अर्हताएं एवं अनुभव प्राप्त करने | का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा केवल ओपनकास्ट धात्विकीय खानों के लिए फोरमैन सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 01.11.2015 से प्रभावी है। |
| Shri Naveen Kumar Ji son of Govindan born on 13th September, 1990 having given satisfactory evidence of possessing the prescribed qualifications and experience is hereby granted FORMAN'S CERTIFICATE OF COMPETENCY for metalliferous mine having opencast workings only. This certificate is effective from 01.11.2015 | | |
|  सचिव खनन परीक्षा बोर्ड Secretary Board of Mining Examinations |  अध्यक्ष खनन परीक्षा बोर्ड Chairman Board of Mining Examinations | |

Certificate of Foreman

राष्ट्रीय खनन परीक्षा बोर्ड
Board of Metalliferous Mining Examinations.
दस्तावेज नं० 12173
No. of Document

मं०खं०नि० १२२९
C.I.M. 1229



खान अधिनियम, १९५२
THE MINES ACT, 1952

खनन मेट समर्थता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY
(खान अधिनियम, १९५२ के अधीन)
(Under Metalliferous Mines Regulations, 1961)


श्री **मुकुंदा कुमार** पुत्र **हरी नन्दन प्रसाद**
निवासी गांव **निगांनहरा**, थाना **इकानगरतारीया**
जिला **ताल्हार**, राज्य **बिहार**
जन्म तारीख **०५ जनवरी, 1974 (बोहत्तर)**, ने अपनी आयु, स्वस्थता, सदाचार, साक्षरता और अनुभव का संतोषजनक प्रमाण दे दिया है और तारीख **22.07.2003** को **टाटा केमिकल्स लि.** (स्थान) पर हुई मौखिक परीक्षा पास कर ली है इसे प्राच्य खान विनियम १९६१ के अधीन खनन मेट समर्थता प्रमाण-पत्र दिया जाता है।


(Name)
of Village Thana
District State
born on Son of
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience and having passed an oral examination on 19.....
is hereby granted a MINING MATE'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.

सचिव,
खनन परीक्षा बोर्ड।
Secretary,
Board of Mining Examinations.

अध्यक्ष,
खनन परीक्षा बोर्ड।
Chairman,
Board of Mining Examinations.

तारीख १९
Date 10-12-2003 19


बाएँ हाथ के अंगूठे का निशान
Left hand thumb impression



प्रमाणित किया जाता है कि श्री
की परीक्षा की गई और उसे श्रोत, दृष्टि या अन्य किसी ऐसी शारीरिक या मानसिक अशक्तता से रहित पाया गया, जिसका उसके दायित्वपूर्ण कार्य निष्पादन पर प्रभाव पड़ने की संभावना हो।
Certified that he was examined and found free from deafness, defective vision or any other infirmity, mental or physical, likely to interfere with the efficient discharge of his duties.

1. **22-07-2003** तारीख को
निर्देशक द्वारा हस्ताक्षर
Director of Mines
2. **09-04-2017** तारीख को
खान सुरक्षा निदेशक Director of Mines Safety
3. **09-04-2017** तारीख को
राज्य खनन निदेशक Regional Director of Mines
4. **09-04-2017** तारीख को
राज्य खनन निदेशक Regional Director of Mines
5. **09-04-2017** तारीख को
राज्य खनन निदेशक Regional Director of Mines
6. **09-04-2017** तारीख को
राज्य खनन निदेशक Regional Director of Mines

MGIPK- 82 MSD/68 (630)—26-12-68—10,000

हस्ताक्षर

Certificate of Mining mate

Annexure No.5**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. :PCB/TVM-DO/ICO/AE-150/2011

Date of issue :02/04/2020

INTEGRATED CONSENT TO OPERATE - RENEWAL**Consent No : PCB/TVM-DO/NTA/ICO/QRY/ 51/2020****Ref : PCB/TVM-DO/ICO-R/QRY/102/2017 31/3/2020****Application number-12906386 7/3/2020**

The ' Integrated Consent to Operate' issued as per reference above to M/s Delta M Sand Pvt Ltd (Quarry) Vattakulamala Road, Anavoor P.O, Neyyattinkara, Thiruvananthapuram is hereby renewed up to 03/07/2023 and issued to M/s Delta M Sand Pvt Ltd (Quarry) Vattakulamala Road, Anavoor P.O, Neyyattinkara, Thiruvananthapuram. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

| S.No. | Items | Description |
|-------|--------------------|--------------------------------|
| 1 | Validity upto | 3.07.2023 |
| 2 | Capital Investment | 92 lakhs |
| 3 | Annual fee | 22000/- |
| 4 | Products/Activity | Rock Rubles @500 Metric Tonnes |
| 5 | Category | RED |
| 6 | Fees remitted | 110000/-(fee excess-44000/-) |
| 7 | Survey number | 524/1,524/1-2,524/1-3,524/1-4 |

II. Stack Details

| Stack No. | Source of Emission | Emission Rate(Nm3/Hr) | Stack Height above | | Control Equipment |
|-----------|--------------------|-----------------------|-------------------------|-----------------------|-------------------|
| | | | Ground Level(In Meters) | Roof Level(In Meters) | |
| | | | | | |

III. CONDITIONS

- 5.1 Quarrying is restricted to the land bearing Synos: 524/1,524/1-2,524/1-3,524/1-4.
- 5.2 This consent is granted subject to the power of the Board to review and make variations in all or any of the conditions as per section 21 of the Air (Prevention and Control of Pollution) Act 1981 and section 25 of the Water (Prevention and Control of pollution) Act 1974.
- 5.3 Any change in the particulars furnished in the references and/or in the identity of the occupier / authorized agent shall be intimated to the Board within a week.
- 5.4 It is the responsibility of occupier to ensure that quarrying activities are restricted to only area shown in the attached drawing and at a distance more than 50 m from the nearby residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.
- 5.5 After excavation at the site is completed, the land may be reclaimed or used for rain water harvesting with protective barriers/any other suitable purpose like aquaculture approved by the authority.
- 5.6 All the necessary control measures provided should be maintained properly to ensure that the system is adequate to control the air and water pollution caused by the functioning of the unit within the limit.
- 5.7 Regular wetting of the roads in the premises of the quarry and approach roads near the quarry shall be done for avoiding excessive dust emission within and outside the boundary of the unit.
- 5.8 Boundary of quarrying area shall be fenced and demarcated.
- 5.9 Fugitive emission from the quarry premises and road leading to quarry shall be suppressed using water sprinkling.
- 5.10 The suspended particulate matter (SPM) at boundary of the premises of the quarry shall not exceed the following limit applicable to that area as per the National Ambient Air Quality Standards. a) The PM 10 in ambient air at the boundary shall not exceed 100 microg/m³ b) The PM 2.5 in ambient air at 1m outside the boundary shall not exceed 60 microg/m³.
- 5.11 The sound level measured at 1.0 m outside the boundary shall not exceed the limit as per the Ambient Air Quality Standards in respect of Noise.
- 5.12 The operation of the unit shall be commenced/done only after obtaining clearances from all concerned authorities.
- 5.13 The quarry shall be operated only from 6am to 6pm.
- 5.14 For renewal of the consent in case of continuance of operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board <http://krocmms.nic.in> for renewing the Consent on or before two month in advance to expiry date. Late application will be accepted with 10% (for application before expiry date) & 50% of yearly fee as late fee for application after due date.
- 5.15 This Consent is granted on the basis of ENVIRONMENTAL CLEARANCE DATED:22.11.13,quarry lease No-1504/2011 and other documents furnished by the applicant. If any document is found false, the consent issued will be cancelled/ revoked.

5.16 This consent is granted subject to the Environmental Clearance No: 109/SEIAA/KL/1807/2013/ dated 22.11.2013 and quarry lease No-1504/2011 issued by proceedings of State Environmental Impact Assessment Authority, SEIAA.

All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

RAMYA G
Digitally signed by
RAMYA G
Date: 2020.04.03
09:09:22 +05'30'

DATE :02/04/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER ,
DISTRICT OFFICE
THIRUVANANTHAPURAM




To

Thomas Philip
Cherupulichiyil House,
Cherkulangi P.O.,
Vadasserikara,
Pathanamthitta

- 1. This digitally signed document is legally valid as per the Information Technology Act 2000**
2. For verifying this document please go to krocmms.nic.in and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System.

Consent to operate

Annexure No. 6



सत्यमेव जयते

Validity expires on 21.11.2024

Proceedings of the State Environment Impact Assessment Authority Kerala
Present : Prof. (Dr.) K.P. Joy, Member (in chair) and Sri. P.K. Mohanty IAS, Member Secretary

Sub: SEIAA Kerala - Quarry project in Sy. Nos. 525/2, 523/2, 523/2-1, 523/2-2, 523/3, 523/3-1, 523/4, 523/5-1, 523/6, 524/1, 524/1-2, 524/1-3 and 524/1-4 at Perumkadavila Village and Panchayath, Neyyatinkara Taluk, Thiruvananthapuram district, Kerala by M/s Delta Msand Pvt. Ltd. – Environmental Clearance under EIA Notification 2006 accorded – Orders issued

Environmental Clearance

No. 109/SEIAA/KL/1807/2013 dated, Thiruvananthapuram 22.11.2013


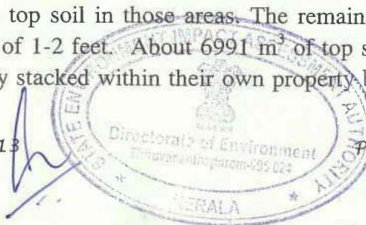
ORDER

Mr. Thomas Philip, Managing Director, M/s Delta Msand Pvt. Ltd., vide his application received on 29-06-2013, has sought Environmental Clearance under EIA Notification, 2006 for the proposed quarry project in Sy. Nos. 525/2, 523/2, 523/2-1, 523/2-2, 523/3, 523/3-1, 523/4, 523/5-1, 523/6, 524/1, 524/1-2, 524/1-3 and 524/1-4 at Perumkadavila Village and Panchayath, Neyyatinkara Taluk, Thiruvananthapuram district, Kerala for an area of 4.5843 ha. Out of the total 10.2409 hectares of land owned by the proponent, the lease area consists of 4.5843 hectares which is partially Government land and partially private land and present land use is quarrying activities. Forest land is not involved in the project. It is interalia, noted that the project comes under the Category B2, Activity 1(a), (i) of Schedule of EIA Notification 2006. The proposed project site falls within 08°26'36.66" N to 08°26'48.34"N and 77°07'17.77" E to 77°07'29.94" E. The proposed project is for quarrying of 2,75,000 MTA of building stone from an area of 4.5843 hectares of land. The expected life of mine will be 11 years.

The proposal has been appraised by the State Level Expert Appraisal Committee Kerala constituted by the competent authority, as per prescribed procedure in the lights of provisions under the EIA Notification 2006 and subsequent amendments, in its 18th meeting held on 3rd August 2013 and 21st meeting held on 4th November 2013 AND on the basis of the supporting documents enclosed with the application viz., the Form – 1, questionnaire for mining projects, pre-feasibility report, Environment Management Plan and the additional clarifications furnished in response to the observations, the SEAC Kerala recommended environmental clearance to the project.

The proposed project activity involves about 85 % of the pit area for exploring building stone. At the end of life of mine, excavated pit will be partially backfilled, reclaimed and rehabilitated by plantation and partially will be used as a water reservoir. The proposed project does not involve any underground mining activities. The mining will be done by open cast semi mechanized method. The bench height and width proposed is 5 m. The ultimate depth of mining is 80 m MSL. Part of the proposed land is already under mining and there is no top soil in those areas. The remaining land is having top soil and overburden with average thickness of 1-2 feet. About 6991 m³ of top soil will be generated from the proposed pit, which will be properly stacked within their own property but outside

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the proposed mine lease area and will be utilized for plantation over the reclaimed areas. About 3496 m³ of overburden will be generated from the proposed pit, which will be properly stacked within their own property but outside the proposed mine lease area and will be utilized as a soil base for plantation over the reclaimed areas. The daily water requirement of 5 KLD will be met from existing well /storm water collection pond. There will be fugitive emissions generated during material handling, transportation, loading, unloading, etc. that are proposed to be managed by regular water sprinkling on haul road, green belt development, avoiding overloading of vehicles, maintaining the speed of vehicles within prescribed limits and covering the load with tarpaulin sheets. The sewage of 0.8 KLD generated from the mine office will be diverted to the septic tank followed by soak pit. The total power requirement of 75 kW will be drawn from diesel engine. The total cost of the project is Rs. 1.90 Crores.

The SEIAA, after due consideration of the relevant documents and additional clarifications submitted by the project proponent, and in view of the recommendations of SEAC, approved for issuance of Environmental Clearance for the project mentioned above at its 24th meeting held on 22nd November 2013. Accordingly, the State Level Environment Impact Assessment Authority (SEIAA) Kerala constituted by Govt. of India vide Notification No. S.O. 2484(E) dt. 3-11-2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord necessary Environmental Clearance for the quarry project in Sy. Nos. 525/2, 523/2, 523/2-1, 523/2-2, 523/3, 523/3-1, 523/4, 523/5-1, 523/6, 524/1, 524/1-2, 524/1-3 and 524/1-4 at Perumkadavila Village and Panchayath, Neyyatinkara Taluk, Thiruvananthapuram district, Kerala by M/s Delta Msand Pvt. Ltd. as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and subsequent amendments and also under the provisions made in the O.M. No. L-11011/47/2011-IA.II(M) dated 18th May 2012 of the Ministry of Environment and Forests, Government of India, and further subject to strict compliance of the following specific conditions, and the general conditions contained in the Annexure, which shall also form a part of this document.

1. A 100 m No Development Zone should be left on either side of the nearby canal. It should be demarcated on the ground with pillars and fenced.
2. Storm water should be directed to the pond in existence before letting out.
3. Stipulations of KSPCB should be fully complied with for the crusher unit.
4. A buffer distance of 15 m should be left from the village boundary to the project site.
5. Retaining wall should be provided to the storage of overburden.
6. The approach road to the quarry is narrow and not hard top. It should be tarred.
7. Split up of CSR should be provided with budget allocations.

Compliance of the above conditions will be monitored by the Directorate of the Department of Environment and Climate Change, Government of Kerala or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Government of India located at Bangalore. Necessary support for entry and inspection should be provided by the project proponent to the staff of the Directorate and Ministry for monitoring purposes. In case of non-compliance of conditions, noted, if any, the Director, Department of Environment and Climate Change shall report the matter to the District Collector concerned to take necessary action under Environment Protection Act 1986.

The given address of correspondence of the Authorized Signatory of the project is:- Mr. Thomas Philip, Managing Director, M/s Delta Msand Pvt. Ltd., C-14, Jawahar Nagar, Kawdiar P.O.,

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Trivandrum, Kerala – 695003; Tel. No. 0471-2278225/2277225; Mob. No. 09846259000/08086189910;
Email: deltathomas@gmail.com / deltamsand@gmail.com

Agency with NABET accreditation for EIA is:- M/s Enkay Enviro Services Pvt. Ltd., 24-B, Dadu Marg, Gopal Bari, Ajmer Road, Jaipur, Rajasthan-302001; Tel. No: 0141-4013996/4023996/4016996; Fax; 0141-4026996; Email: info@enkayenviro.com

The validity of EC is for a period of 11 years.

Sd/-
P. K. Mohanty IAS
Member Secretary, SEIAA
and Addl. Chief Secretary to Government
Environment, Forest & Wildlife Departments

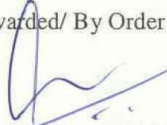
To
✓ Mr. Thomas Philip
Managing Director
M/s Delta Msand Pvt. Ltd.
C-14, Jawahar Nagar
Kawdiar P.O., Trivandrum
Kerala - 695003.

Copy to :

1. IA-Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi – 110003
2. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034
3. The Addl. Chief Secretary to Government, Environment Dept., Government of Kerala
4. The Principal Secretary to Government, Local Self Government Department
5. The District Collector concerned
6. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm – 24.
7. The Director, Mining and Geology Department, Government of Kerala
8. Chairman and Members of SEIAA Kerala
9. Chairman, SEAC Kerala
10. Website uploading
11. Stock file



Forwarded/ By Order


P. Sreekantan Nair
Director, DoECC &
Secretary SEAC Kerala

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA
GENERAL CONDITIONS (for mining projects)

- (i) Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
- (iv) The project shall incorporate devices for solar energy generation and utilization wherever possible.
- (v) Sprinklers shall be installed and used in the project site to contain dust emissions.
- (vi) Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
- (vii) At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumpings and overburden and planted with indigenous plant species that are eco-friendly.
- (viii) Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented in tune with the conditions specified in the Companies Act, 2013.
- (ix) Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that falling of animals/human/belongings/dumping of garbages etc. does not happen.
- (x) Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
- (xi) Control measures on noise and vibration prescribed by KSPCB should be implemented.
- (xii) Quarrying activities should be limited to day time as per KSPCB guidelines.
- (xiii) Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
- (xiv) A licensed person should supervise/ control the blasting operations.
- (xv) Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
- (xvi) Overburden materials should be managed within the site and the old quarries, if any, should be reclaimed and restored.
- (xvii) Height of benches should not exceed 5 m and width should not be less than 5 m.
- (xviii) Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
- (xix) Mining depth should not exceed beyond 40 m, unless otherwise specified or not below the level of nearest stream bed, whichever is less.
- (xx) No mining operations should be carried out at places having a slope greater than 45°.
- (xxi) Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
- (xxii) The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
- (xxiii) Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
- (xxiv) The transportation of minerals should be done in covered trucks to contain dust emissions.
- (xxv) The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
- (xxvi) Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
- (xxvii) Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
- (xxviii) Norms of Kerala State Pollution Control Board should be adhered to regarding distance criteria of residences, roads, rivers and worship places.

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- (xxix) 200 m buffer distance should be maintained from forest boundaries.
- (xxx) Consent from Kerala State Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.
- (xxxi) All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xxxii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xxxiii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (xxxiv) The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- (xxxv) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
- (xxxvi) A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
- (xxxvii) The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (**both in hard copies as well as by e-mail**) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xxxviii) The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.
- (xxxix) The proponent should provide notarized affidavit (*indicating the number and date of Environmental Clearance proceedings*) that all the conditions stipulated in the EC shall be scrupulously followed.

Sd/-

Member Secretary, SEIAA Kerala



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EC order

Annexure No.7



भारत सरकार | Government of India
 वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry
 पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum & Explosives Safety Organisation (PESO)
 पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives
 केन्द्रीय भवन, ब्लॉक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor
 CSEZ पी.ओ.कक्कानाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
 फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

संख्या (No.): E/SC/KL/22/1355(E65101)

दिनांक (Date): 01/06/2020

संवा में | To,

4 JUN 2020

THOMAS PHILIP,
 Delta M-Sand Pvt. Ltd, Anavoore Post, Thiruvananthapuram District -695121, Kerala, Town/Village
 - ANAVOOR
 District-THIRUVANANTHAPURAM, State-Kerala, Pincode - 695121

विषय : Survey No.29/13 of Block No.38, ग्राम Anavoore (v) Neyyattinkara Tk, जिला THIRUVANANTHAPURAM, राज्य Kerala में मेसर्स THOMAS PHILIP द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1355 (E65101) के संशोधन संदर्भ में।
 (विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन आरेखण / सुविधाएं / परिसर में परिवर्तन)

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:29/13 of Block No.38, Anavoore (v) Neyyattinkara Tk, Dist. THIRUVANANTHAPURAM, Kerala -Licence No.: E/SC/KL/22/1355(E65101) granted in Form LE-3 of Explosives Rules, 2008 - (Amendment of Quantity of Explosives/Monthly Purchase Limit Amendment in Drawings/Facilities/Premises).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 26/05/2020 का संदर्भ ग्रहण करें।
 Please refer to your letter no. Nil dated 26/05/2020.

अनुज्ञप्ति संख्या E/SC/KL/22/1355(E65101) INTIMATION REGARDING QUARRYING OPERATIONS AS PER THE QUARRYING LEASE GRANTING ORDER NO. 307/2011-12/5805/M3/2011 DATED 17/08/2011, NO.178/2011-2012/4125/M3/2011 DATED 29/06/2011, NO.156/2016-17/10655/M3/2015 DATED 6/6/2016 BY THE DIRECTOR OF MINIG & GEOLOGY, THIRUVANANTHAPURAM AND EC NO. 109/SEIAA/KL/1807/2013 DATED 22.11.2013 VALID UP TO 21/11/2024 BY THE SEIAA, THIRUVANANTHAPURAM IN SY.NOS.525/2,523/2,523/2-1,523/2-2,523/3,523/3-1,523/4,523/5-1,523/6,524/1,524/1-2,524/1-3, 524/1-4 AT PERUMKAVILA VILLAGE, NEYYATTINKARA TALUK, THIRUVANANTHAPURAM IS ACKNOWLEDGED HERE WITH THE CONDITION THAT THE USE OF EXPLOSIVES IN THE QUARRIES SHALL BE AS PER THE DIRECTION OF DGMS, BANGALORE AS REQUIRED UNDER MINES ACT 1952 AND METALIFEROUS MINES REGULATIONS 1961. के संदर्भ में यथा संशोधित कर भेजी जा रही है।

The Licence No.: E/SC/KL/22/1355(E65101) is forwarded herewith duly amended in respect of followings ;
 INTIMATION REGARDING QUARRYING OPERATIONS AS PER THE QUARRYING LEASE GRANTING ORDER NO. 307/2011-12/5805/M3/2011 DATED 17/08/2011, NO.178/2011-2012/4125/M3/2011 DATED 29/06/2011, NO.156/2016-17/10655/M3/2015 DATED 6/6/2016 BY THE DIRECTOR OF MINIG & GEOLOGY, THIRUVANANTHAPURAM AND EC NO. 109/SEIAA/KL/1807/2013 DATED 22.11.2013 VALID UP TO 21/11/2024 BY THE SEIAA, THIRUVANANTHAPURAM IN SY.NOS.525/2,523/2,523/2-1,523/2-2,523/3,523/3-1,523/4,523/5-1,523/6,524/1,524/1-2,524/1-3, 524/1-4 AT PERUMKAVILA VILLAGE, NEYYATTINKARA TALUK, THIRUVANANTHAPURAM IS ACKNOWLEDGED HERE WITH THE CONDITION THAT THE USE OF EXPLOSIVES IN THE QUARRIES SHALL BE AS PER THE DIRECTION OF DGMS, BANGALORE AS REQUIRED UNDER MINES ACT 1952 AND METALIFEROUS MINES REGULATIONS 1961..

किसी भी एक समय में लाइसेंस क्षमता निम्नलिखित वर्ग तथा मात्रा से अधिक नहीं होगी।

The licence capacity at any one time shall not exceed the kinds and quantities mentioned below ;

| संख्या No | विस्फोटक Explosive(s) | वर्ग Class | प्रभाग Div | उप-प्रभाग Sub Div | क्षमता Capacity | इकाई Unit |
|--------------|-------------------------------------|---------------|---------------|----------------------|--------------------|--------------|
| 1 | Nitrate Mixture | 2 | 0 | 0 | 150 | Kg. |
| 2 | Safety Fuse | 6 | 1 | 0 | 3000 | Mtrs |
| 3 | Electric and/or Ordinary Detonators | 6 | 3 | 0 | 2000 | Nos. |
| 4 | Ordinary Detonator | 6 | 3 | 0 | 3000 | Nos. |

किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति के लिए लागू) :
20 गुना

Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 20 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2025 तक प्रवृत्त रहेंगी।

This Licence shall remain valid till 31st day of March 2025.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया विस्फोटक नियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया पावती दें।

For further revalidation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008.

Receipt of this letter may please be acknowledged.

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R.Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

उप मुख्य कोच्ची | Ernakulam
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. District Magistrate, THIRUVANANTHAPURAM, Kerala with reference to his Noc No: A17.15215/2011
Dated: 28/10/2011
2. Superintendent of Police, THIRUVANANTHAPURAM, Kerala.

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives
कोच्ची | Ernakulam

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क आदि के लिए हमारी वेबसाइट <http://peso.gov.in> देखें.)
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)


अनुज्ञापने प्ररूप एल. ई.-3 | LICENCE FORM LE-3

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)
(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

(ग) उपयोग के लिए एक समय पर वर्ग 1,2,3,4,5 या वर्ग 7 के विस्फोटक या किसी मैगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञापति

Licence to possess : (c) for use, explosives of class 1, 2,3,4,5,6 or 7 in a magazine

अनुज्ञापति सं. (Licence No.) : E/SC/KL/22/1355(E65101)
वाषिक फीस रूपए (Annual Fee Rs): 2400/-



Licence Photo w

1. Licence is hereby granted to
THOMAS PHILIP (अधिभोगी / Occupier : THOMAS PHILIP), Delta M-Sand Pvt. Ltd, Anavoor Post, Thiruvananthapuram District -695121, Kerala, Town/Village - ANAVOOR, District-THIRUVANANTHAPURAM, State-Kerala, Pincode - 695121

को अनुज्ञापति अनुदत्त की जाती है।

2. अनुज्ञापतिधारी की प्रास्थिति | Status of licensee : **Individual**

3. अनुज्ञापति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।
Licence is valid only for the following purpose. : possess for use of **Nitrate Mixture, Safety Fuse, Electric and/or Ordinary Detonators, Ordinary Detonator, - के उपयोग के लिए**

4. अनुज्ञापति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

| क्र. Sr. No. | नाम और विवरण Name and Description | वर्ग और प्रभाग Class & Division | उप-प्रभाग Sub-division | मात्रा किसी एक समय में Quantity at any one time |
|--------------|-------------------------------------|---------------------------------|------------------------|---|
| 1. | Nitrate Mixture | 2,0 | 0 | 150 Kg. |
| 2. | Safety Fuse | 6,1 | 0 | 3000 Mtrs |
| 3. | Electric and/or Ordinary Detonators | 6,3 | 0 | 2000 Nos. |
| 4. | Ordinary Detonator | 6,3 | 0 | 3000 Nos. |

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञापति के लिए] : **20 times as above.**

(b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] :

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञापति परिसर की पुष्टि होती है।
The licensed premises shall conform to the following drawing(s) : रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1355 : (E65101)
दिनांक (Dated) 01/06/2020

6. अनुज्ञापति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
Survey No. 29/13 of Block No.38, ग्राम (Town/Village) : **Anavoor (Village) Newyattankara, Thiruvananthapuram**
जिला (District) **THIRUVANANTHAPURAM** राज्य (State) **Kerala** पुलिस थाना (Police Station) : **Vellarada**
दूरभाष (Phone) **9846259000** ई. मेल (E-Mail) पिनकोड (Pincode) **695121**
फैक्स (Fax)

7. अनुज्ञापति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities. : **A set of type T (Sr.No.1244) and G(Sr.No.793) portable magazine manufactured by Nobel Engineering and Fabrication Unit, Cochin and D(677) fabricated by M/s. Thekkans Engineering**

8. अनुज्ञापति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।
The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

- उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.
- अनुज्ञापति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञापति की शर्तों और अतिरिक्त शर्तों।
Conditions and Additional Conditions of this licence signed by the licensing authority.
- दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञापति तारीख **31 मार्च 2016** तक विधिमान्य रहेगी। This licence shall remain valid till **31st day of March 2016.**

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपवर्णित इस अनुज्ञप्ति की शर्तों का अधिक्रमण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।

This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

तारीख | The Date - 02/01/2012

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of
Explosives
South Circle, Chennai

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 04/06/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 23/04/2014
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 01/06/2020
- Amendment in Drawings/Facilities/Premises dated : 01/06/2020

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

| नवीकरण की तारीख Date of Renewal | समाप्ति की तारीख Date of Expiry | अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp |
|------------------------------------|------------------------------------|--|
| 12/03/2020 | 31/03/2025 | Sd/- Dy. Chief Controller of Explosives, Ernakulam |

कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।

Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

(सेट VIII | Set VIII)

मैगजीन में वर्ग 1,2,3,4,5,6, और 7 के विस्फोटकों को बिक्री या प्रयोग हेतु रखने के लिए प्ररूप एल.ई. 3 [अनुच्छेद 3 (ख) से (ग)] में मुख्य विस्फोटक नियंत्रक या विस्फोटक नियंत्रक द्वारा प्रदान किए जाने वाले अनुज्ञप्ति सं. E/SC/KL/22/1355(E65101) की शर्तें निम्नलिखित हैं।

The following are the conditions of licence number E/SC/KL/22/1355(E65101) to possess for sale or use, explosives of Class 1,2,3, 4, 5, 6 and 7 in a magazine in Form LE-3 (articles 3(b) to (c)) granted by Chief controller of Explosives or Controller of Explosives.

- परिसर में किसी भी समय विस्फोटकों की मात्रा अनुज्ञापन योग्य सामर्थ्य से अधिक नहीं होगी।
The quantity of explosives on the premises at any one time shall not exceed the licensable capacity.
- विस्फोटकों के भंडारण के लिए प्रयुक्त होने वाली मैगजीन अनुसूची III और अनुज्ञप्ति के उपाबंध में विनिर्दिष्ट सुरक्षा दूरी बनाए रखना होगा।
The magazine used for storage of explosives shall maintain safety distance specified in Schedule III and annexure to the licence.
- मैगजीन का प्रयोग उन सभी विस्फोटकों के, जो इस अनुज्ञप्ति में विनिर्दिष्ट है, रखे जाने के लिए और ऐसे रखे जाने से संबद्ध आधान या औजार या उपकरणों के रखे जाने के लिए ही किया जाएगा; अन्यथा नहीं।
The magazine shall be used only for keeping all explosives specified in this licence and of receptacles for, or tools or implements for work connected with the keeping of such explosives.
- पैकजों को खोलने का कार्य और विस्फोटकों को तौलने तथा पैक करने का कार्य मैगजीन में नहीं किया जाएगा।
The opening of packages and the weighing and packing of explosives shall not be carried on in the magazine.
- दो या दो से अधिक वर्णन के विस्फोटकों को, जिन्हें मैगजीन में रखे जाने की अनुज्ञा दी जा सकती है, मैगजीन में तभी रखे जाएंगे जब उनमें से प्रत्येक को, ऐसे पदार्थ या स्वरूप का कोई मध्यवर्ती विभाजक लगाकर या उनके बीच ऐसा मध्यवर्ती स्थान छोड़कर, परस्पर पृथक कर दिया जाए कि किसी वजह से विस्फोटक में लगने वाली आग या होने वाला विस्फोट किसी अन्य वर्णन के विस्फोटक तक न पहुंच सके : परंतु -
(घ) 2 (नाइट्रेट मिश्रण), वर्ग 3 (नाइट्रो योगिक) के विभिन्न विस्फोटक, वर्ग 6 प्रथम प्रभाग के अंतर्गत आने वाले सुरक्षा पलीते और वर्ग 6 प्रभाग 2 के अंतर्गत आने वाले विस्फोटक प्रेरक पलीते, जिनमें कोई खुला लोहा या इस्पात नहीं है, एक दूसरे के साथ बिना किसी मध्यवर्ती विभाजक या स्थायन के रखे जा सकते हैं।
(ङ) वर्ग 6 प्रभाग 3 के अंतर्गत आने वाले विस्फोटक प्रेरक अलग रखे जाएंगे।
(च) वर्ग 1 के अंतर्गत आने वाले बारूद को अलग रखा जाएगा।
Two or more description or explosives which may be permitted to be kept in the magazine shall be kept only if they are separated from each other by an intervening partition of such substance or character, or by such intervening space, as will effectually prevent explosion or fire in the one communicating with the other; Provided that—
(d) the various explosives of Class 2 (nitrate-mixture), Class 3 (nitro-compound), safety fuses belonging to Class 6 Division 1 and detonating fuses belonging to Class 6 Division 2 as do not contain any exposed iron or steel, may be kept with each other without any intervening partition or space ;
(e) Detonators belonging to Class 6 Division 3 shall be kept separately.
(f) Gun powder belonging to Class 1 shall be kept separately.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात सिवाय अनुज्ञापन प्राधिकारी की विशेष मंजूरी के मैगजीन में नहीं रखा जाएगा।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of licensing authority.
- वर्ग 3 (नाइट्रो योगिक) के विस्फोटकों को, उनके विनिर्माण की तारीख से एक वर्ष बीत जाने के पश्चात मैगजीन में तभी रखा जाएगा जब कि किसी विस्फोटक नियंत्रक ने इसके लिए विशेष मंजूरी दे दी हो।
(i) जब ऐसी मंजूरी दे दी गई हो तो प्रत्येक निरीक्षण पर किसी विस्फोटक नियंत्रक से ऐसा लिखित प्रमाणपत्र अभिप्राप्त कर लिया जाए जिसमें दी गई मंजूरी के अंतर्गत आनेवाली अवधि दर्शित की गई हो और ऐसे प्रमाणपत्र के अनुज्ञप्तिधारी अपने पास रखेगा और मांग की जाने पर प्रस्तुत करेगा।
(ii) जब कोई विस्फोटक मानक शुद्धता का न रह जाने के कारण या द्रवणीकरण या नाइट्रो ग्लाइसरीन या द्रव नाइट्रो योगिक के निकल जाने के चिन्ह प्रकट होने के कारण मैगजीन में भण्डारित किए जाने के उपयुक्त नहीं रह जाता है तो अनुज्ञप्तिधारी अपने ही व्यय पर ऐसे विस्फोटक के निपटारे के लिए ऐसे निदेशों का अनुपालन करेगा जो मुख्य नियंत्रक या विस्फोटक नियंत्रक जारी करें।
Explosives of Class 3 (nitro compound) shall not be kept in the magazine after the expiration of one year from the date of their manufacture except with the special sanction of the Controller of Explosives.
(i) When such sanction has been given, a written certificate showing the period covered by the sanction shall be obtained from the Controller of Explosives at each inspection, and shall be kept by the licensee and produced on demand.
(ii) When an explosive owing to its being no longer of standard purity or owing to signs of liquefaction or of exuded nitro-glycerin or liquid nitro-glycerin or liquid nitrocompound is no longer fit for storage in the magazine or store house the licensee shall comply, at his own expense, with such directions as to its disposal as the Chief Controller or Controller of Explosives may issue.
- मैगजीन के भीतरी भाग या उसमें लगी बेंचों, शेल्फों और उसकी फिटिंग का इस प्रकार सन्निर्माण किया जाएगा या उन्हें इस प्रकार अंतरित या अवतरित किया जाएगा कि विस्फोटक का किसी लोहे या इस्पात के साथ संपर्क रोका जा सके। भीतरी भाग में लगी बेंचें, शेल्फें और फिटिंग यथासाध्य ग्रिट से मुक्त एवं साफ रखे जाएंगे तथा ऐसे विस्फोटक, जो जल से खतरनाक रूप में प्रभावित हो सकते हैं, इस बाबत सम्यक सावधानी बरती जाएगी कि वहां कोई जल मौजूद न रहे : परंतु किसी लोहे या इस्पात के खुले होने के विरुद्ध सावधानी से संबंधित इस शर्त का वह भाग ऐसे किसी भवन में बांधेकर नहीं होगा जिसमें वर्ग 6 (गोला बारूद) के प्रथम के विस्फोटक से भिन्न कोई विस्फोटक रखा गया है।

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

The interior of the magazine and the benches, shelves and fittings therein shall be so constructed or so lined or covered as to prevent the exposure of any iron or steel contact with the explosives. Such interior, benches, shelves and fittings shall so far as is reasonably practicable, be kept free from grit and shall otherwise be clean; and in the case of any explosives liable to be dangerously affected by water, due precautions shall be taken to exclude water there from; Provided that so much of this condition as relates to precautions against the exposure of any iron or steel shall not be obligatory in a building in which no explosive other than explosive of the 1st Division 6th (Ammunition) Class is kept.

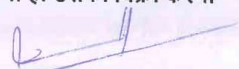
9. यदि तडित चालक का परीक्षण विस्फोटक नियंत्रक करता है तो अनुज्ञापिधारी ऐसे परीक्षण के लिए विहित फीस का संदाय करेगा यदि परीक्षण असमाधानकारी साबित होता है तो उतनी ही फीस अनुज्ञापिधारी द्वारा पश्चात्पूर्वी प्रत्येक परीक्षण के लिए तब तक दी जाती रहेगी जब तक कि परीक्षण अधिकारी तडित चालक को समाधानप्रद घोषित नहीं कर देता :
परंतु किसी एक परीक्षण के लिए देय फीस किसी एक दिन के दौरान किसी चालक के किए गए सभी परीक्षणों के लिए प्रभावी होगा :
परंतु यह और कि यदि दो या अधिक तडित चालक एक ही मैगजीन से संबद्ध हैं तो ऐसे सभी चालकों के परीक्षण के लिए फीस ऐसी किसी फीस से अधिक नहीं होगी जो किसी एक तडित चालक के परीक्षण के लिए हर स्थिति में विहित की गई है ।
If the lighting conductor is tested by the Controller of Explosives, the licensee shall pay the fees prescribed for test. In the even of the test proving unsatisfactory, the same fees shall be payable by the licensee for each subsequent test until the lighting conductor is passed by the testing officer as satisfactory:
Provided that the fees payable for a single test shall be charged for all tests made on a conductor during any one day :
- Provided further that where two or more lighting conductors are attached to one and the same magazine, the fee for the testing of all such conductors shall not exceed the fee prescribed in this condition for testing a single lighting conductor.
10. उपयुक्त तथा जेब रहित कार्यकरण वस्त्रों, उपयुक्त जूतों के प्रयोग द्वारा तथा तलाशी लेकर या अन्यथा अथवा ऐसे किन्हीं साधनों द्वारा इस बाबत सम्यक उपबंध किया जाएगा कि फैक्ट्री परिसर में अग्नि, दियासलाई अथवा ऐसी कोई वस्तुएं या पदार्थ, जिससे विस्फोट हो सकता है या आग लग सकती हो, किन्तु इस शर्त के कारण ऐसी संरचना, स्थिति या स्वरूप में किसी कृत्रिम बत्ती का प्रवेश वजित नहीं है जिससे आग लगने या विस्फोट होने का खतरा न हो :
परंतु इस शर्त का वह भाग, जो लोहे या इस्पात के अपवर्जन को लागू होता है, ऐसे किसी भवन के संबंध में बाध्य कर नहीं होगा जिससे भिन्न कोई विस्फोटक नहीं रखा गया है ।
Due provisions shall be made, by the use of suitable working clothes without pockets, suitable shoes and by searching or otherwise or by such means, for preventing the introduction into danger area of the factory premises of fire, Lucifer matches or any substance or article likely to cause explosion or fire, but this condition shall not prevent the introduction of an artificial light of such construction, position or character as not to cause any danger of fire or explosion:
Provided that so much of this condition as applies to the exclusion of iron or steel, shall not be obligatory in a building in which no explosive other than an explosive of the 1st Division of the 6th (Ammunition) Class is kept.
11. अनुज्ञापिधारी प्ररूप आर.ई.-3 और आर.ई.-4 या आर.ई.-5, जैसी स्थिति हो, में सभी विस्फोटकों का अभिलेख और लेखा रखेगा और विस्फोटक नियम, 2008 के अधीन प्राधिकृत किसी भी अधिकारी के समक्ष उसके द्वारा ऐसा करने की मांग की जाने पर स्टॉक पुस्तक और अभिलेख प्रस्तुत करेगा । स्टॉक पुस्तक विहित प्रोफार्मा में पृष्ठ संख्यांकित होगी ।
The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 or RE-5, as the case may be, and exhibit the stock books and records to any of the officers authorised under the Explosives Rules, 2008 whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.
12. परिसरों में कोई परिवर्तन या तबदीली अनुज्ञापन प्राधिकारी के पूर्वानुमोदन बिना नहीं की जाएगी और अनुज्ञापिधारी ऐसी किसी शर्त का अनुपालन करेगा जो इस निमित्त अनुज्ञापन प्राधिकारी विनिर्दिष्ट करें ।
No changes or alterations shall be carried out to the premises without prior approval of the licensing authority and the licensee shall comply with any condition that may be specified by the licensing authority in this behalf.
13. मैगजीन सभी समयों पर अच्छी मरम्मत की स्थिति में बनाई रखी जाएगी (या अच्छी हालत में बनाई रखी जाएगी) यदि किसी कारणवश किसी विस्फोटक के भण्डारण के लिए मैगजीन अनुपयुक्त हो जाती है तो अनुज्ञापिधारी इस बात की सूचना अनुज्ञापन प्राधिकारी को तुरंत देगा ।
Magazine shall at all times be kept in state of good repair (or maintained in good condition). The licensee shall report to licensing authority forthwith, if the magazine becomes unfit for storage of any explosives for any reason whatsoever.
मैगजीन का अनुज्ञापिधारी इन नियमों के नियम 24 के उप-नियम 3 के अनुसार त्रैमासिक विवरणी प्रस्तुत करेगा ।
The licensee of the magazine shall submit quarterly return as per sub-rules (3) and (4) of rule 24 of these rules.
14. यदि सुरक्षा दूरी का कोई अधिक्रमण होता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को आवश्यक सलाह और कार्यवाही के लिए तुरंत दी जाएगी ।
Any encroachment of the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.
15. यदि कोई विस्फोटक विनष्ट हुआ अथवा अनुपयोगी जाया जाता है तो उसकी सूचना अनुज्ञापन प्राधिकारी को, सलाह प्राप्त करने के लिए, तुरंत दी जाएगी ।
The licensing authority shall be immediately informed for advice if any explosive is found deteriorated or unserviceable.
16. विस्फोटकों के पैकेटों के चट्टे इस प्रकार लगाए जाएंगे कि कम से कम एक व्यक्ति भण्डार किए गए सभी पैकजों की हालत की जांच करने और प्रत्येक पैकेज की विनिर्माण विशिष्टियों को पढ़ने के लिए उनके बीच से होकर आ जा सके ।
The explosive packages shall be stocked in such a way so as to allow movement of at least one person to check the condition of all packages stored and to read the manufacture particulars of each package.
तडित चालकों की भूमि के लिए प्रतिरोध यथासंभव न्यूनतम होगा और किसी भी दशा में 10 ओह्म से अधिक नहीं होगा ।
The resistance of the lightning conductor to earth shall be as low as possible and in no case be more than 10 ohms.
17. मैगजीन के चारों ओर 15 मीटर की दूरी के अंतर्गत कोई शुल्क घास या झाड़ी या ज्वलनशील सामग्री नहीं रहने दी जाएगी ।

चप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosive
एरनाकुलम Ernakulam

- A distance of 15 meters surrounding the magazine or store house shall be kept clear of dried grass or bush or flammable materials.
18. विस्फोटकों के प्रत्येक पैकेट की, जब उसे मैगजीन के भीतर लिया जा रहा हो, ठीक दशा जानने के लिए परीक्षा की जाएगी।
Every package of explosive at the time of bringing inside the magazine shall be examined for its sound condition.
 19. किसी मैगजीन / भंडारगृह में किसी एक समय में चार व्यक्तियों से अधिक को नहीं रहने दिया जाएगा।
Not more than 4 persons shall be allowed inside the magazine or store house at any one time.
 20. विस्फोटकों के खाली पैकेजों को शीघ्रतिशीघ्र वहाँ से हटा दिया जाएगा और नष्ट कर दिया जाएगा।
Empty packages of the explosives shall be removed at the earliest and destroyed.
 21. अनुज्ञापिधारी और कर्मचारीयों को परिसर के भीतर आपातकाल के दौरान की जाने वाली प्रक्रियाओं से अवगत होना चाहिए।
The licensee and the employee shall be conversant with procedure to be taken during the emergency within the premises.
 22. निरीक्षण या नमूना अधिकारी को सभी युक्तियुक्त समयों पर अनुज्ञत परिसर में अबाध रूप से पहुंचने दिया जाएगा और यह सुनिश्चित करने के लिए कि अधिनियम और इन नियमों के उपबंधों और सुरक्षा स्थितियों को सम्यक्तः अनुपालन किया जा रहा है, अधिकारी को प्रत्येक सुविधा प्रदान की जाएगी।
Free access to the licensed premises shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act and these rules and the safety conditions are duly observed.
 23. यदि अनुज्ञापन प्राधिकारी या विस्फोटक नियंत्रक अनुज्ञापिधारक को अनुज्ञात परिसरों या मशीनरी, टूल या उपकरण में ऐसी कोई मरम्मत या परिवर्धन या परिवर्तन करने या सिफारिशों को लागू करने को लिखित रूप में सूचित करता है जो परिसर के अंदर या बाहर या व्यक्तियों की सुरक्षा के लिए आवश्यक है, अनुज्ञापिधारक सिफारिशों को निष्पादित करेगा और विनिर्दिष्ट अवधि के भीतर अनुपालन रिपोर्ट ऐसे प्राधिकारी को देगा।
If the licensing authority or a Controller of Explosives informs in writing, the holder of the licence to execute any repairs or to make any additions or alterations to the licensed premises or machinery, tools or apparatus or carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site of the premises or persons, the holder of the licence shall execute the recommendations and report compliance within the period specified by such authority.
 24. अनुज्ञापिधारी मैगजीन में रखने और बिक्री के लिए प्राधिकृत विस्फोटक सूची में उल्लिखित अनुज्ञत फैक्टरी या कंपनी से प्राधिकृत विस्फोटक / आतिशबाजी या सुरक्षा पल्ले खरीदेगा।
The licensee shall purchase authorised explosives/ fireworks or safety fuse as mentioned in the list authorised explosives from a licensed factory or company for possession and sale from the magazine.
 25. निम्न से अधिक ध्वनि स्तर उत्पादित करने वाले आतिशबाजियों पटाखों की बिक्री और रखने के लिए –
(क) जो फटने की जगह से चार मीटर की दूरी पर है, 125 डी.बी.(ए1) या 145 डी.बी.(सी)पी.के. प्रतिबंधित होंगे;
(ख) श्रृंखला (जुड़े हुए पटाख) को गठन करने वाले व्यक्तिगत पटाखों के लिए उपर्युक्त उल्लिखित सीमा 5 लॉग.10(एन) डी.बी. (सी) पी.के. प्रतिबंधित होंगे;
The possession and sale of fire-crackers generating noise level exceeding:
a) 125 dB(AI) or 145 dB(C)pk at 4 meters distance from the point of bursting shall be prohibited;
b) For individual fire-cracker constituting the series (joined fire-crackers), the above mentioned limit be reduced by 5 log₁₀ (N) dB, where N = number of crackers joined together.
 26. आग या विस्फोट द्वारा दुर्घटना या नुकसान पटाखों की कमी या चोरी, तुरंत पास के पुलिस थाने और अनुज्ञापन प्राधिकारी और अनुज्ञापन प्राधिकारी के स्थानीय कार्यालय को रिपोर्ट की जाएगी।
Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

अतिरिक्त शर्तें / Additional Conditions :

1. अनुज्ञापिधारी विदेशी मूल के आतिशबाजी को ना प्रदर्शित करेगा, ना रखेगा और ना ही उसकी बिक्री करेगा।
The licensee shall not exhibit, possess and sell fireworks of foreign origin.


 कृते संयुक्त मुख्य विस्फोटक नियंत्रक
 For Joint Chief Controller of Explosives
 दक्षिणांचल, चेन्नै | South Circle, Chennai
 उप मुख्य विस्फोटक नियंत्रक
 Deputy Chief Controller of Explosives
 एरनाकुलम Ernakulam

Form DE-2
(See rule 113 of the Explosives Rules, 2008)
(Distance Form to be attached to the licence)

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SC/KL/22/1355(E65101) in form LE-3 granted to THOMAS PHILIP, Delta M-Sand Pvt. Ltd, Anavoor Post, Thiruvananthapuram District -695121, Kerala, Kerala-695121 .

| Type of Structure(s) | Safety distances meters | |
|---|-------------------------|----|
| | M | UM |
| Inside Safety Distances(ISD) | | |
| 1 Room or Workshop used in Connection with the Magazine | 13 | 19 |
| 2 Any other Explosives Magazine or store House or Factory of the Applicant | | |
| 3 Magazine Office | | |
| Middle Safety Distances(MSD) | | |
| 4 Magazine Keeper's or Chowkidar's Dwelling house | | |
| 5 Railway including Minerals and Private Railways | | |
| 6 Canal (in active use) or other navigable water | | |
| 7 Dock or Pier or Jetty | | |
| 8 Public Highway or Public Road | | 40 |
| 9 Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory | | |
| 10 River Embankment or Sea Embankment or Public Well | | |
| 11 Reservoir or Bounded tank/rope way | | |
| 12 Windmillor or Solar panel for Power Generation | | |
| Outside Safety Distances(OSD) | | |
| 13 Dwelling House | | |
| 14 Govt. and Public Building | | |
| 15 Temple, Mosque, Church or Gurudwara or other Places of Worships | | |
| 16 Shops, Market place, Public recreation and Sports Ground, College, School, Hospital, Theater, Cinema or other Building where the public are accustomed to assemble | | |
| 17 Factory | | |
| 18 Buildings or Works used for the Storage in Bulk of Petroleum, Sprit, gas, or other inflammable or hazardous substances | | 45 |
| 19 Building or Works used for Storage and Manufacture of Explosives or of articles which contain Explosives | | |
| 20 Aerodrome | | |
| 21 Furnace, Kiln or Chimney | | |
| 22 Quarry or mine pit head | | |
| 23 Power House or Electric Substation | | |
| 24 Wireless Station | | |
| 25 Warehouse or other Storage Building | | |
| 26 Any other Protected works | | |
| Overhead Electric lines | | |
| 27 Electric Power over head Transmission Lines above 440V | | 45 |
| 28 Electric Power over head Transmission Lines upto 440V | | 15 |

The Date : 02/01/2012

For Joint Chief Controller of Explosives
South Circle, Chennai

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives
एरनाकुलम Ernakulam

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 04/06/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 23/04/2014
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 01/06/2020
- Amendment in Drawings/Facilities/Premises dated : 01/06/2020

License – explosive

Annexure No. 8



നമ്പർ: 18/2020-2021/A2/1167 തീയതി: 27/05/2020

കുന്നത്തുകാൽ ഗ്രാമപഞ്ചായത്ത്
 കാരക്കോണം പി.ഒ., തിരുവനന്തപുരം (ജില്ല)
 ഫീസ്: 695504, ഫോൺ: 0471 2250235, ഇ-മെയിൽ: kunnathukalgp@gmail.com

വ്യവസായം, വാണിജ്യം, സംരഭകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്
 (കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FACTEOS ലൈസൻസ് ചട്ടങ്ങൾ 1996)

| | | | |
|--|--|--------------|-----------------------|
| ലൈസൻസിയുടെപേര് | തോമസ് ഫിലിപ്പ് | | |
| ലൈസൻസിയുടെ മേൽവിലാസം | മാനേജിംഗ് ഡയറക്ടർ ഡെൽറ്റ എം സാൻഡ് പ്രൈവറ്റ് ലിമിറ്റഡ് വട്ടക്കുളമല റോഡ് ആനാവൂർ പി ഒ | | |
| സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും | ഡെൽറ്റ എം സാൻഡ് പ്രൈവറ്റ് ലിമിറ്റഡ് ആനാവൂർ | | |
| ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ | മെറ്റൽ ക്രഷർ യൂണിറ്റ് പ്രവർത്തിപ്പിക്കുന്നതിന് | | |
| വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ | I/157 | | |
| ലൈസൻസ് കാലാവധി | 27/05/2020 | മുതൽ | 31/03/2023 വരെ |
| ലൈസൻസ് ഫീസ് മോട്ടോർ ഫീസ് തൊഴിൽ നികുതി | രൂപ | രസീത് നമ്പർ | തീയതി |
| | 45000 | 120080100302 | 25/05/2020 |
| | 52410 | 120080100302 | 25/05/2020 |
| | 2500 | 120080100303 | 25/05/2020 |
| ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം) | 1. മൈനിംഗ് & ജിയോളജി വകുപ്പിന്റെ അനുമതി (31/03/2021 വരെ) 2. മലിനീകരണനിയന്ത്രണ ബോർഡ് അനുമതി(30/10/2029 വരെ) 3. ഫാക്ടറിസ് & ബോയിലേഴ്സ് സർട്ടിഫിക്കറ്റ് (31/12/2020 വരെ) ഉടമസ്ഥാവകാശ രേഖകൾ കാലാവധിയവസാനിക്കുന്നതിനു മുന്നേ നിരാക്ഷേപ സാക്ഷ്യപത്രങ്ങൾ പുതുക്കേണ്ടതാണ്.അല്ലാത്തപക്ഷം ഉണ്ടാകുന്ന എല്ലാ കഷ്ടനഷ്ടങ്ങൾക്കും ലൈസൻസി മാത്രം തെരവാദിയായിരിക്കുന്നതുമാണ്. | | |



ഓഫീസ് മധ്യ കാരക്കോണം, പി.ഒ.
PIN - 695504



ഫിസിക്കൽ സെക്ഷൻ
സെക്രട്ടറി
കുന്നത്തുകാൽ ഗ്രാമപഞ്ചായത്ത്
കാരക്കോണം (ജില്ല.)
ഫോൺ: 0471 2250235, മൊബ്: 049664627

License Gram Panchayat

Annexure No. 9

| PROCEEDINGS OF THE DIRECTOR OF MINING AND GEOLOGY | |
|---|---------------------------|
| Sub : Mines and Minerals-Minor Minerals-Granite Building Stone Quarrying lease to M/s. Delta M Sand (P) Limited, Vattakulam Mala Road, Anavoor P.O, Neyyattinkara, Thiruvananthapuram sanction- orders issued. | |
| Ref : 1. Application dated 6.6.11 from M/s. Delta M Sand (P) Limited, Vattakulam Mala Road, Anavoor P.O, Thiruvananthapuram | |
| 2. Letter No. 760/DOT/ML/2011 dtd. 6.6.2011 & 20.6.11 from the Geologist, District Office, Tvpm | |
| 3. Kerala Minor Mineral Concession Rules, 1967 | |
| No. 178/2011-2012/4125/M3/2011 | Dated, Tvpm., 29.6.2011 |
| ORDER | |
| A quarrying lease is granted to M/s. Delta M Sand (P) Limited, Vattakulam Mala Road, Anavoor P.O, Neyyattinkara, Thiruvananthapuram to quarry Granite Building Stone over an area of 0.7324 hectares of Own land comprised in Sy.Nos.524/1, 524/1-2, 524/1-3, 524/1-4 of Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram District for 12(Twelve) years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 1967 and as per the Survey map issued by the Tahsildar, Neyyattinkara and submitted by the applicant subject to the under mentioned conditions. | |
| <ol style="list-style-type: none"> 1. Royalty is payable to Government as per Rule 29(1)(c) of the Kerala Minor Mineral Concession Rules, 1967 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules. 2. Dead rent is realizable under 29(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules. 3. Surface rent realizable under 29(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue. 4. The lessee shall execute a quarrying lease deed within a period of three months from the date of this order in form 'H' as per Rule 32 of the Kerala Minor Mineral Concession Rules, 1967. 5. The lessee shall also deposit an amount of Rs. 1000/- (Rupees one thousand only) as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 31 of the said rules. The lessee shall commence quarrying operation only after the deed is executed. 6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed. 7. The lessee shall not win and dispose any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order. 8. The production of Granite Building Stone from the area covered under this grant shall be restricted to 15,000 MT (Fifteen thousand only) per year during the tenure of this quarrying lease. | |
| 5535581 | GOVERNMENT OF KERALA 2005 |

Lease order

Annexure No. 10

**TEST REPORT**

| | | |
|--------------------------------|------------------|-------------|
| Test Report No.: 20230214/R008 | Date: 20-02-2023 | Page 1 of 1 |
|--------------------------------|------------------|-------------|

| CUSTOMER DETAILS | |
|-------------------------|---|
| Customer Name & Address | Mr. Thomas Philip Managing Director M/s Delta Msand (P) Ltd Perumkadavila, Neyyatinkara Thiruvananthapuram District |
| Customer Reference | Test Request date: 14-02-2023 |

| SAMPLE DETAILS | | | |
|------------------------------|------------------------|--------------------|---------------|
| Product Category | Atmospheric Pollution | Sample Code | 20230214/S008 |
| Sample Name | Ambient Air | Sample Received on | 15-02-2023 |
| Sample Conditions at Receipt | Fit for Analysis | Test Commenced on | 16-02-2023 |
| Sampled by | Lab Authorized Sampler | Test Completed on | 18-02-2023 |

| DETAILS OF SAMPLING | | | |
|---------------------|----------------------|------------------|------------|
| Sampling Location | South West Boundary | Date of Sampling | 14-02-2023 |
| Sampling Procedure | SEAAL/ENL/GEN/SOP/02 | Humidity | 69 % |

| SAMPLING SITE DETAILS | | | |
|-----------------------|---|-------|--------------|
| Survey No. | 525/2,523/2,523/2-2,523/3,523/3-1,523/4,523/5-1,523/6,524/1,524/1-2,524/1-3,524/1-4 | | |
| Village | Perumkadavila | Taluk | Neyyatinkara |
| District | Thiruvananthapuram | State | Kerala |

| TEST RESULTS-CHEMICAL DISCIPLINE | | | | | |
|----------------------------------|---|-------------------------|-------------------|--------|---------------|
| SL NO | PARAMETERS | TEST METHOD | UNIT | RESULT | NAAQ STANDARD |
| 1 | Particulate matter (PM ₁₀) | IS 5182 (Part 23): 2006 | µg/m ³ | 66.4 | 100 (Max) |
| 2 | Particulate matter (PM _{2.5}) | IS 5182 (Part 24): 2019 | µg/m ³ | 30.1 | 60.0 (Max) |
| 3 | Sulphur dioxide (as SO ₂) | IS 5182 (Part 2): 2001 | µg/m ³ | 4.72 | 80.0 (Max) |
| 4 | Oxides of Nitrogen as NO ₂ | IS 5182 (Part 6): 2006 | µg/m ³ | 5.69 | 80.0 (Max) |

End of Report

Shency Joy
Dy.TM-Chemical
Checked by:



Laiju P.N.
Laboratory Head
Authorized Signatory

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K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: sealab@gmail.com

Monitoring result of Air

Annexure No.11

**TEST REPORT**

| | | |
|--------------------------------|------------------|-------------|
| Test Report No.: 20230214/R009 | Date: 20-02-2023 | Page 1 of 1 |
|--------------------------------|------------------|-------------|

| CUSTOMER DETAILS | |
|-------------------------|---|
| Customer Name & Address | Mr. Thomas Philip Managing Director M/s Delta Msand (P) Ltd Perumkadavila, Neyyatinkara Thiruvananthapuram District |
| Customer Reference | Test Request date: 14-02-2023 |

| DETAILS OF MONITORING | | | |
|-----------------------|-----------------------|-------------------------|------------------------|
| Product Category | Atmospheric Pollution | Sample Code | 20230214/S009 |
| Sample Name | Ambient Noise | Monitoring Commenced on | 14-02-2023 |
| Test Method | IS 9989:1981 | Monitoring Completed on | 15-02-2023 |
| Monitoring Location | East Side Boundary | Monitored by | Lab Authorized Sampler |

| SAMPLING SITE DETAILS | | | |
|-----------------------|---|-------|--------------|
| Survey No. | 525/2,523/2,523/2-2,523/3,523/3-1,523/4,523/5-1,523/6,524/1,524/1-2,524/1-3,524/1-4 | | |
| Village | Perumkadavila | Taluk | Neyyatinkara |
| District | Thiruvananthapuram | State | Kerala |

| MONITORING RESULTS - Leq | | | | | |
|--------------------------|---------------|-------|---------------|-------|---------------|
| TIME | RESULTS dB(A) | TIME | RESULTS dB(A) | TIME | RESULTS dB(A) |
| 06:00 | 37.4 | 14:00 | 50.2 | 22:00 | 36.3 |
| 07:00 | 40.1 | 15:00 | 50.6 | 23:00 | 35.4 |
| 08:00 | 44.4 | 16:00 | 51.7 | 24:00 | 38.0 |
| 09:00 | 47.9 | 17:00 | 52.1 | 01:00 | 38.7 |
| 10:00 | 50.2 | 18:00 | 46.7 | 02:00 | 38.3 |
| 11:00 | 53.3 | 19:00 | 43.2 | 03:00 | 39.1 |
| 12:00 | 50.6 | 20:00 | 39.4 | 04:00 | 38.0 |
| 13:00 | 49.8 | 21:00 | 38.9 | 05:00 | 39.8 |

| Sl. No. | PARAMETERS | UNIT | RESULT |
|---------|--------------------------------------|-------|--------|
| 1 | Ambient Sound Level (Leq) Day Time | dB(A) | 48.7 |
| 2 | Ambient Sound Level (Leq) Night Time | dB(A) | 38.3 |

Remarks:

End of Report

Shency Joy
 Dy.TM-Chemical
 Checked by:



Laiju P.N.
 Laboratory Head
 Authorized Signatory

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 Web: www.sealabs.in, E-mail: seaalab@gmail.com

Monitoring result of Noise

Annexure No.12

**TEST REPORT**

| | | |
|--------------------------------|------------------|-------------|
| Test Report No.: 20230214/R010 | Date: 20-02-2023 | Page 1 of 2 |
|--------------------------------|------------------|-------------|

| CUSTOMER DETAILS | |
|-------------------------|---|
| Customer Name & Address | Mr. Thomas Philip Managing Director M/s Delta Msand (P) Ltd Perumkadavila, Neyyatinkara Thiruvananthapuram District |
| Customer Reference | Test Request Date: 14-02-2023 |

| SAMPLE DETAILS | | | |
|----------------------------------|----------------------------------|-----------------------|------------------------|
| Product Category | Water | Sample Code | 20230214/S010 |
| Sample Name | Ground Water | Sample Received on | 15-02-2023 |
| Sample Description by Customer | Open Well Water | Temperature @ Receipt | 28°C |
| Sample Conditions at Receipt | Fit for Analysis | Test Commenced on | 15-02-2023 |
| Sample Quantity & Packing | 1 L & 125 ml in a Plastic Bottle | Test Completed on | 18-02-2023 |
| Information Provided by Customer | --- | Sampled by | Lab Authorized Sampler |

| SAMPLING SITE DETAILS | | | |
|-----------------------|---|-------|--------------|
| Survey No. | 525/2,523/2,523/2-2,523/3,523/3-1,523/4,523/5-1,523/6,524/1,524/1-2,524/1-3,524/1-4 | | |
| Village | Perumkadavila | Taluk | Neyyatinkara |
| District | Thiruvananthapuram | State | Kerala |

| TEST RESULTS- CHEMICAL PARAMETERS | | | | | |
|-----------------------------------|------------|-------------------------|-------|-----------|---|
| Sl. No. | PARAMETERS | TEST METHOD | UNIT | RESULT | Requirement as per Acceptable Limit of IS 10500: 2012 |
| 1 | Colour | IS 3025 (Part 4): 1983 | Hazen | 1 | 5 (Max) |
| 2 | Odour | IS 3025 (Part 5): 2018 | --- | Agreeable | Agreeable |
| 3 | Turbidity | IS 3025 (Part 10): 1984 | NTU | 0.2 | 1.0 (Max) |
| 4 | pH | IS 3025 (Part 11): 1983 | --- | 7.83 | 6.50-8.50 |


Shency Joy
 Dy.TM-Chemical
 Checked by




Salini T.S.
 Microbiologist
 Authorized Signatory


Laiju P.N.
 Laboratory Head
 Authorized Signatory

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**TEST REPORT**

| | | |
|--------------------------------|------------------|-------------|
| Test Report No.: 20230214/R010 | Date: 20-02-2023 | Page 2 of 2 |
|--------------------------------|------------------|-------------|

| TEST RESULTS- CHEMICAL PARAMETERS | | | | | |
|--|---------------------------------------|-------------------------|-------|--------|---|
| Sl. No. | PARAMETERS | TEST METHOD | UNIT | RESULT | Requirement as per Acceptable Limit of IS 10500: 2012 |
| 5 | Conductivity | IS 3025 (Part 14):1984 | µS/cm | 126 | --- |
| 6 | Total Dissolved Solids | IS 3025 (Part 16): 1984 | mg/L | 80.0 | 500 (Max) |
| 7 | Total Hardness as CaCO ₃ | IS 3025 (Part 21): 2009 | mg/L | 44.4 | 200 (Max) |
| 8 | Calcium as Ca | IS 3025 (Part 40): 1991 | mg/L | 10.4 | 75 (Max) |
| 9 | Magnesium as Mg | IS 3025 (Part 46): 1994 | mg/L | 43.8 | 30 (Max) |
| 10 | Chloride as Cl | IS 3025 (Part 32): 1988 | mg/L | 18.0 | 250 (Max) |
| 11 | Total Alkalinity as CaCO ₃ | IS 3025 (Part 23): 1986 | mg/L | 20.1 | 200 (Max) |
| 12 | Iron as Fe | IS 3025 (Part 53): 2003 | mg/L | 0.16 | 1 (Max) |
| 13 | Sulphate as SO ₄ | IS 3025 (Part 24): 1986 | mg/L | 2.10 | 200 (Max) |

| TEST RESULTS - BIOLOGICAL PARAMETERS | | | | | |
|---|-------------------------|-----------------|------|---------------|--|
| Sl.No. | PARAMETERS | TEST METHOD | UNIT | RESULT | Requirement as per Acceptable Limit of IS 10500 : 2012 |
| 1 | Total Coliform Bacteria | IS 15185 : 2016 | ---- | Absent/100 ml | Absent/100 ml |
| 2 | E coli | IS 15185 : 2016 | ---- | Absent/100 ml | Absent/100 ml |

Remarks:

End of Report


Shency Joy
 Dy.TM-Chemical
 Checked by




Salini T.S.
 Microbiologist
 Authorized Signatory


Laiju P.N.
 Laboratory Head
 Authorized Signatory

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Monitoring result of Water