

COMPLIANCE REPORT

APRIL 2023 – SEPTEMBER 2023

M/S TRAVANCORE BLUE
METAL INDUSTRIES (P) LTD

THIRUVANTHAPURAM DISTRICT
KERALA



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Dt.22-01-2024

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. 152/SEIAA/KL/3072/2013

**Sub :- Environment Clearance – Quarry project at Village & Panchayat -
Aruvikara, Taluk - Nedumangad, District - Thiruvananthapuram, Kerala–
Compliance Report – First half - Reg.**

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for **12.0836 Ha.** by order No. **152/SEIAA/KL/3072/2013** dated 31-03-2017 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **First half** (April 2023 to September 2023) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

For M/s Travancore Blue Metals Pvt. Ltd

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

Encl: - As Above

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 152/SEIAA/KL/3072/2013

Dated: 31-03-2017

BY

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(SEIAA)**

FOR

**BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT**

AT

**SURVEY NOS. 229/1, 229/13, 229/9, AND OTHERS IN
VILLAGE & PANCHAYAT - ARUVIKARA, TALUK -
NEDUMANGAD, DISTRICT - THIRUVANANTHAPURAM,
KERALA**

BY

**M/s TRAVANCORE BLUE METAL INDUSTRIES (P) LTD
THIRUVANANTHAPURAM DISTRICT
KERALA**

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INTRODUCTION

The quarry project of **M/s Travancore Blue Metal Industries (P) Ltd.** is situated at survey No. 229/1, 229/13, 229/9, and others in Village & Panchayat - Aruvikara, Taluk - Nedumangad, District - Thiruvananthapuram, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 31-03-2017. 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 First half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2023 – September 2023** is being submitted.

COMPLIANCE REPORT
(SPECIFIC CONDITIONS)
PART A

PART - A – SPECIFIC CONDITIONS

01	Steep cliff like feature may be demarcated and fenced as danger zones with sign boards.	complied
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Compliance:

As part of safety, the project proponent has demarcated steep cliff like feature by fencing. Sign board is also installed to know it is a danger zone. The photograph of the danger board is attached as **Plate No. 5**. This is being maintained in the project area.

02	Storm water drainage from the upper part must be channelized properly and let out through well defined channels. Catch water drain should be provided and water must be clarified to avoid silt to reach the river. Avoid letting out water beside of the approach road.	Complied
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Compliance:

The project proponent has constructed well defined drainages to channelize all surface runoff in to the rain water harvesting pond in the project site. The de-siltation chamber has been provided to remove sediments from the storm water. The approach road is maintained well and provided drainage channel along road side.

03	The rain water structure should be provided.	Complied
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Compliance:

The proponent has developed two rain water harvesting pond in the project site to collect rain water from the entire project land. The storm water flow is leading to the pond through constructed and natural drainages. The photograph is showing the rain water collection pond in the project area in **Plate No. 1**.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

01	Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.	Complied
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Compliance:

The project proponent has developed rain water harvesting ponds in the quarry site as Rain Water Harvesting structure. The ponds are situated at the lowest level of project site. The surface runoff is channelized to the pond through garland drains. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system (mainly sprinklers system). The photograph showing the rain water collection pond in the project area is attached in **Plate No. 1**.

02	Environment Monitoring Cell (EMC) as agreed under the affidavit filed by the proponent should be formed and made functional.	Complied
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Compliance:

The Environmental Monitoring Cell (EMC) was formed with Mr. Biju Varghese as head of the monitoring cell. The EMC meetings of the cell convene periodically and evaluate the activities towards the stipulations of Environmental Clearance order. The details of the monitoring cell are given below in **Table No. 1**.

Table 1 - Environmental Monitoring Cell (EMC)

Sl. No.	Post	Name
1.	Head of monitoring cell (Chairman)	Biju varghese
2.	Director	Saifudheen P Y
3.	Member	Satheesh Chandran
4.	Member	Sreejith A S
5.	Member	Abubakker
6.	Member	Mohanan D

7.	Member	Vineeth M
8.	Member	Robichan
9.	Member	Viswanadhan nair

03	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
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Compliance:

As part of enhancing bio diversity, the project proponent has planted various saplings and native species in the project site to enhance the eco – diversity in the industry. Green belt is an important component in the mining sector. There is also natural vegetation including trees, shrubs and climbers are presents in the sides of road and parking area. This will help to reduce air and sound pollution. The photographs of avenue trees planted in the road side are given in **Plate No. 2**. The bill purchased against plants is provided as **Annexure No.1**.

04	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Complied
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Compliance:

The project proponent has installed five solar street lights in the project site to use maximum renewable energy to reduce electrical consumption from KSEB. The project proponent has installed 2 solar street lights; and can feed 1 CFL and fan at security cabin to use maximum renewable energy. The purchasing bill of solar is given in **Annexure No. 14**. Photograph of Solar street light is attached as **Plate No. 11**.

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

To prevent dust emission, sprinklers are installed in the project site. This help to suppress dust during the time summer season. Purchase bill of sprinkler is attached as **Annexure No. 15**

06	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	Being complied
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Compliance:

Eco restoration is in an integral part of mining activity. The eco restoration and the mine closure plan will be done at the own cost of the project proponent as per the approved mining plan.

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, if no other specific condition on reclamation of pit is stipulated in the EC.	Noted for compliance
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Compliance:

After closure of the mine, the project proponent is intending to retain 10 percent of total excavated pit as rain water storage area. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan, the project 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
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Compliance:

The project proponent has carried out various activities under Corporate Social Responsibility (CSR). The project proponent has spent an amount of Rs. 3,87,406 in the period of April 2023 to September 2023. The details of performed activities under CSR is attached as **Annexure No. 16**.

09	The lease area shall be fenced off with barbed wires to a maximum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings etc) shall be protected at all times and shall be conspicuous.	Complied
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Compliance:

To demarcate the lease area, the project proponent has installed fencing around the area where lease obtained. The complete installation of barbed metal wire fencing around the mining area is with height of 4 ft. All the boundary indicators are protected at all times and clearly visible at any time in a noticeable way. The photograph of barbed metal wire fencing is provided in **Plate No.4**. Signboard is attached as **Plate No. 10**.

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
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Compliance:

As per the stipulation of Explosive department and State Environment Impact Assessment Authority the project proponent has installed warning alarms (Siren) in the quarry site. Siren is blown before and after blasting regularly. The blasting timings are displayed in the prominent area by way of caution board.

11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Complied
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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 equipment
- The machineries like breaker and excavator have 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 (NONEL) 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.
- ❖ The project proponent has appointed qualified persons to monitor the mining operations

12	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	complied
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Compliance:

Quarrying activities are limited to day time only as per KSPCB guidelines. This helps to limit the sound pollution. The quarry working time is 8.00am to 5.00 pm.

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

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.

14	A licensed person should supervise/control the blasting operations.	Complied
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Compliance:

The project proponent has appointed mines manager, foreman and mining mate in the site to supervise/control exploitation of minor minerals including blasting at the project site. **Annexure No. 2** is showing the certificate of qualified persons.

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

To contain dust emissions and for the trouble free transportation of materials, the project proponent has concreted the access road of 600 meter from the entrance of project site to quarry is maintaining in good manner. The project splashes water on the road to arrest the dust production during summer season. The photograph of concreted road is provided in **Plate No. 3**.

16	Overburden materials should be managed within the site and used for reclamation of mine pits as per mine closure plan/ specific conditions.	Complied
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Compliance:

In a building stone quarry project, the overburden and topsoil need to extract during the time of mining, these natural resources are staked in the project site. This is being used for plantation, haulage roads and land filling in the mining area. No overburden is let out from the project site. To prevent soil erosion grass has been planted on the overburden and topsoil.

17	Height of the benches should not exceed 5m, and width should not be less than 5m, if there is no mention is the mining plan/specific conditions.	complied
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Compliance:

To enhance safety and conserve environment, the project proponent is extracting the minerals by creating benches. The benches does not exceed 5 meters of height. The project maintains the width of benches minimum of 5 meters. **Plate No. 6** shows the mining area.

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

The project proponent is using blasting mats in the mining field during blasting time. The project proponent is using NONEL Technology for blasting therefore there is no incident of fly rock is happened in the community. The project proponent is also assuring the maximum PPV is under 10 during the time of blasting. The photograph of the blasting mat is attached as **Plate No.7**.

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

The project proponent is following the approved mining plan for the extraction of building stone. Therefore mining depth does not exceed beyond 10 meter general ground level.

20	No mining operations should be carried out at places having a slope greater than 45°.	Complied
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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
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Compliance:

To reduce the impact of sound to the labours in the mine, the project proponent has provided ear plugs. All machines are maintain regularly. Vegetation around the mining area helps to reduce noise and air pollution. This helps the noise level kept

within prescribed standards. The crusher and DG set is housed in with acoustic enclosures.

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

As part of safety, the project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear plugs, safety belts, safety shoes, glows, etc. to the labours in working site. Photograph of workers with PPE is attached as **Plate No. 12**

23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Complied
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Compliance:

The project proponent has constructed drains with clarifiers in the lower slopes of the project area for storm water management. The clarifiers prevent the quarry wastes entering in to the public stream. The project proponent ensured that all storm water from the mining area is flowing in to the pond created at mining area. The photograph of drain is provided in **Plate No.8**. The project proponent is intending to increase the efficiency of garland drain in the site. Photograph of de-siltation trap is provided in **Plate No.9**

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

To avoid dust emission while transportation of materials, the project proponent is being covered the trucks before it leaving the project site.

25	The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project.	Complied
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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 bill against the purchase of plants is provided at **Annexure No.1**.

26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Complied
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Compliance:

The volume of used oil is low in the industry; a major portion of used oil is used as lubricant in the project site. The excess has been sold to agencies approved by Pollution Control board.

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

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. Same is attached as Plate No. 13

28	A minimum buffer distance of 100m meter from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	complied
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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 project has left 115 meter distance to the nearest house from the boundary of mining area, the KSPCB condition is 50 meter.

29	100 m buffer distance should be maintained from forest boundaries.	Noted
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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
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Compliance:

The project proponent has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of “*Consent to Operate*” (Renewal) from Kerala State Pollution Control Board is provided in **Annexure No.3**.

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
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Compliance:

The certificates obtained from concerned statutory authorities are enclosed in **Annexure No.3, 4, 5, 6 & 7**

TABLE NO.2– DETAILS OF APPROVALS OBTAINED

Name of the Statutory approval	Name of the Statutory authority
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala
“ <i>Consent to Operate</i> ” (Renewal)	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, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	No change in scope
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Compliance:

The project is running as per plan submitted in Environmental Impact Assessment Authority, Kerala. At present there is no change in the scope of the project. The project proponent will seek for a new Environmental clearance in the case of any change(s) in the scope of the project.

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 ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
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Compliance:

If the Authority insists to add additional safeguards and measures in the mining industry for safety and environmental sustainability, the project proponent will be complied with.

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
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Compliance:

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

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Central Ground Water Authority
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009

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 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 the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.	Complied
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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. The copy of the advertisement given in two local newspapers is provided at **Annexure No.8**.

36	A copy of the clearance letter shall be sent by the proponent to	Complied
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	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.	
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Compliance:

As per the condition stipulated in the Environmental Clearance order, a copy of the environmental clearance letter was submitted to Grama Panchayat office. There were no suggestions/representations received while processing the proposal. The acknowledgement from the Panchayath is provided in **Annexure No.9**.

37	The proponent shall submit six monthly 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 State Environment Impact Assessment Authority (SEIAA) office.	complied
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Compliance:

The compliance report is being submitted along with the results of monitored data to the State Environmental Impact Assessment Authority and the Regional Office of MoEF&CC, Bangalore as Email. The monitored data of Air, Water and Noise is attached as **Annexure No. 11, 12 & 13**.

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 extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	complied
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Compliance:

The detail of the Environmental Clearance has display on metallic board in the project site. The metallic board installed as specified in the conditions of Environmental Clearance order.

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
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Compliance:

An assurance in the form of affidavit was already submitted to SEIAA Kerala. The copy of the same is attached as **Annexure No.10**.

40	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the SEIAA, as applicable.	No change in scope
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Compliance:

At present, the project proponent is not intending to expand the area of mine, technology and scope of working. The project proponent will appear SEIAA for Environment Clearance if the project proponent wants to expand its scope. The mining is progressing as per submitted plan.

41	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.	Complied
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Compliance:

There is no such natural water course or “thodu” is flowing along the project site. The project proponent will ensure the natural runoff of storm water. No first order stream is originating from the lease area.

42	Monitoring of Ambient air Quality to be carried out based on the notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.	Complied
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Compliance:

The project proponent has monitored the ambient air quality as per National Ambient Air quality Standard (NAAQS). The project proponent is sprinkling water at loading point after each blast, on the roads and at unloading points. The crushing plant is equipped with water sprinklers at appropriate points. This activity reduces the fugitive emission of dust.

43	The top soil, if any, shall be temporarily stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The Over Burden (OB) generated during the mining operations shall be staked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the bump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Complied
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Compliance:

To prevent the soil erosion, the top soil and overburden are stacked in designated place within the project site. Only top soil is being used for plantation. Overburden used for landfill and to construct haulage roads in the mining area. The excess is being stored in a designated place as per the direction of State Environment Impact Assessment Authority (SEIAA). The Environment Monitoring Cell is being monitored the execution of eco restoration.

44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc., The drains shall be regularly de silted particularly after monsoon and maintained properly.	Complied
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Compliance:

The project proponent has constructed effective garland drains to catch all the storm water during the time of monsoon season. These channels directed the water to the rain water collection pond. All sediments and silts are settling at the bottom of the pond and only cleared water is letting out. The water from the pond can be used for splashing of water on roads to arrest the dust. The project proponent indenting to create de siltation chambers along with catch drains.

45	Effective safeguard measures such as regular water sprinkling shall be carries out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} , such as haul road, loading an un loading points and transfer points – it shall be ensured that the Ambient Air Quality Parameters confirm to the norm prescribed by the Central Pollution Control Board in this regard.	complied
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Compliance:

The project proponent is regularly spraying water in critical areas prone to air pollution with the help of vehicle and sprinklers. The project proponent has increased the number of sprinklers in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points.

46	Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer point should be provided and properly maintained.	Complied
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Compliance:

The project proponent splashes water in critical area to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The sprinklers and vehicle for water spraying are properly maintained.

47	Measures should be taken for control of noise levels below 85 dBA in the work environment.	complied
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Compliance:

The noise level from all these activities does not go beyond 85dBA. The main sound generating activities are the playing of jack hammer, breaker, vehicles and blasting operations. The project proponent will take appropriate action to reduce the sound by employing possible measures. These are mentioned under the condition number 11.

48	A separate Environmental Management Cell with suitable qualified personal should be set up under the control of a senior executive, who will report directly to the Head of the Organization.	Complied
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Compliance:

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project proponent has constituted an Environment Monitoring Cell with Mr. Biju Varghese as the head of the Cell.

49	The funds earmarked for environmental protection and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact assessment authority (SEIAA) office.	complied
----	--	-----------------

Compliance:

The project proponent executes many activities under Corporate Social Responsibility (CSR) for community development. To implement these activities in a good manner, the project proponent has opened an account for keeping the funds earmarked for environmental protection and CSR.

50	The Regional Office of MoEF &CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the regional Office by furnishing the requisite data/information/monitoring reports.	Noted
----	--	--------------

Compliance:

The project proponent can extent all possible cooperation to the officers form regional office of MoEF & CC and can produce all data/information/reports when they are asking for.

51	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green tribunal Act, 2010.	Noted
----	--	--------------

There was no appeal within 30 days after issuing the EC order to the project.

52	Concealing the factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
----	--	--------------

The project proponent did not conceal any factual data during the time of appraisal for obtaining Environmental Clearance.

53	The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted
----	--	--------------

Compliance:

The project proponent has been implementing conditions stipulated in this Environment Clearance order. The project proponent can execute all possible measures in the project site for the conservation of environment.

54	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.	complied
----	---	-----------------

Compliance:

The project proponent gives priority to the conditions stipulated in the Environment clearance Order for its execution.

55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Govt. of Kerala, whichever is earlier.	Noted
----	--	--------------

The PP has got one year covid extension to the validity of EC order.

56	The environmental clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	Noted
----	---	--------------

There is no pending litigation in connection with the land in any court of Law.

57	The mining operation shall be restricted to above ground water table and is should not intersect ground water table.	complied
----	--	-----------------

Compliance:

The project proponent has restricted its mining operations above the ground water table.

58	All vehicle used for transportation and within the mine shall have "PUC" certificate from authorized pollution taking center. Washing of all vehicles shall be inside the lease area.	Complied
----	---	-----------------

Compliance:

As part of reduce air pollution, the project proponent has monitoring the pollution level of all vehicles playing in the project site. This monitoring has conducted only in authorized pollution checking center. Copy PUC certificate is attached as **Annexure No. 17.**

59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	Noted
-----------	--	--------------

Compliance:

At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

60	Regular monitoring of flow rates and water quality upstream and down streams of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly report to SEIAA.	Noted
-----------	---	--------------

Compliance:

There is no stream or springs flowing in and around to the mine lease area. The project proponent installed de siltation trap and other mechanism to prevent sediments and wastes from the mining area to the public drainage system.

61	Occupational health surveillance programe of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Complied
-----------	--	-----------------

Compliance:

The project proponent has conducted an occupational health surveillance programme in association with Taluk hospital for the labours working in mining area.

PLATES

Plate No.1



Rain water Harvesting Pond in the project site

Plate No.2



Avenue Trees

Plate No.3



Approach road

Plate No.4



Fencing

Plate No.5



Danger board

Plate No.6



Mining Area

Plate No.7



Blasting mat

Plate No.8



Drainage

Plate No.9



De Siltation Trap

Plate No.10



Sign Board

Plate No.11



Solar Street light

Plate No.12



Workers with personal protective equipments

Plate No.13



Magazine

Plate No.13



EC Board

ANNEXURE

Annexure No.1

ACHUS GARDEN
ALL KINDS OF PLANTS & POTS
Kizhuppillikara, P.O., Thrissur
9048845737, 9961144389

No. **017** **CASH BILL** Date: 19/04/2022
To: Travancore Blue Metal - T.V.M.

Sl No	Particulars	Rate	Qty	Amount
1	Red Padiam	550	30	16,500
2	Vgenia Big	550	30	16,500
3	Nambiyavuttam	75	100	7,500
4	Veniyated Jeman	425	10	4,250
5	Veniyated Pera	475	10	4,750
Total:				49,500

For: *[Signature]*

PRAKRITHI GARDEN & NURSURY
Karimancode, Palode
Ph : 9961315186

No. **82** **Cash Bill** Date: 1/9/2022

To:

Sl.No	Particulars	Qty	Rate	Amount	
				Rs	Ps
1.	മിംഗി	2	50	100	
2.	കരിമര	4	50	200	
3	ഓതി	10	40	400	
4.	കുളി	3	50	150	
5	ശ്യാമ	21	150	3150	
6.	മിംഗി	10	80	800	
7.	മര	6	100	600	
8	കരിമര	4	50	200	
9.	കരിമര	32	25	800	
10.	Prakrithi Garden & Nursery		100	200	
Total				6600	

Rs. Six thousand and Six hundred

For: *[Signature]* For Prakrithi Garden & Nursery.

Bill of plants purchased

Annexure No.2

(धात्विय) खनन परीक्षा बोर्ड
Board of (Metalliferous)
Mining Examinations
दस्तावेज सं०
No. of Document 11565

मं०खाना० 1229 R
C.L.M. 1229 R

खान अधिनियम, १९५२
THE MINE'S ACT, 1952

खनन मेट समर्थता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY

(धात्विय खान विनियम, १९६१ के अधीन)
(Under Metalliferous Mines Regulations, 1961)
(केवल खुल कार्यस्थलों वाली धात्विय खानों तक सीमित)
(Restricted to metalliferous mines having open-cast workings only)

श्री....., पुत्र.....
(निवासी) गांव....., थाना.....
जिला....., राज्य.....
जन्म तारीख.....ने अपनी आयु, स्वस्थता, सदाचार, साक्षरता और अनुभव का
संतोषजनक प्रमाण दे दिया है और ता.....को
पर हुई मौखिक परीक्षा पास कर ली है इसे धात्विय खान विनियम, 1961 के अधीन उन धात्विय खानों के लिए जिनमें केवल खुल कार्यस्थलों
तक कार्य सीमित होता है खनन मेट समर्थता प्रमाण-पत्र दिया जाता है।

SARATHI THANAPATI
CHAFDA (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 held at....., on.....
19....., is hereby granted a MINING MATE'S CERTIFICATE under the Metalliferous Mines
Regulations, 1961, restricted to metalliferous mines having open-cast workings only.

सचिव
खनन परीक्षा बोर्ड
Secretary,
Board of Mining Examinations.
तारीख.....
Date.....

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman,
Board of Mining Examinations.

19 98

16/12/98

19 98




12-03-2012

1. On ता०को
2. On ता०को
3. On ता०को
4. On ता०को
5. On ता०को
6. On ता०को

खान सुरक्षा निदेशक
भुवनेश्वर क्षेत्र
Director of Mines Safety
Bhubaneswar Region

प्रभासपापुपुम्/ MGITBP Bbar-16/1 MSD/90-91-10,000 Sheets.

Certificate of Mining mate






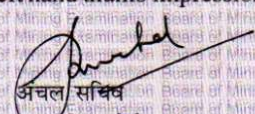
Cert No. MR/37/0145

भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
खनन मेट सक्षमता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY
(केवल ओपेनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री **सुपुत्र** **है, को अपनी**
जिनकी जन्म तिथि **आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण**
प्रस्तुत करने एवं दिनांक **को** **केन्द्र पर आयोजित**
विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट खानों तक सीमित मेट सक्षमता प्रमाण-पत्र
प्रदान किया जाता है।

Shri **CHANDRA SEKHAR V** son of **SHANMUKHAPPA**
 born on **21ST MAY, 1974 (SEVENTY FOUR)** having given satisfactory evidence of his age,
 medical fitness, good character, literacy and prescribed experience of working in metalliferous
 mines and having passed the prescribed examination held at **GVTC, HOSPET**
 centre on **04.10.2010** is hereby granted **MINING MATE'S CERTIFICATE**
OF COMPETENCY restricted to mines having opencast workings only.



 **बाएं हाथ के अंगूठे का निशान**
Left hand thumb impression

 **अचल सचिव** **अध्यक्ष**
खनन परीक्षा बोर्ड **खनन परीक्षा बोर्ड**
Zonal Secretary **Chairman**
Board of Mining Examinations **Board of Mining Examinations**

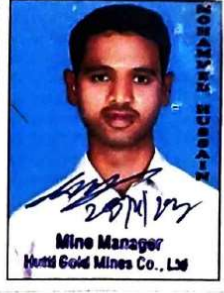
Signed and Sealed **Zone, Bengaluru**
Date **16/4/17**

Certificate of Mining mate

Cert No. FUE /1550

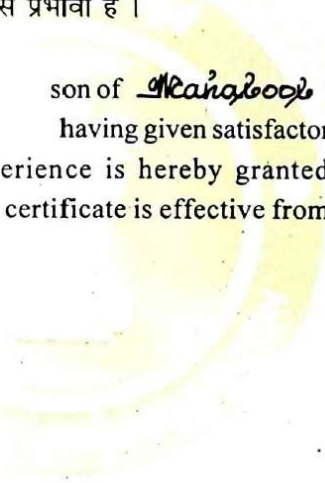



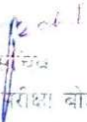
भारत सरकार/Government of India
 खान अधिनियम, 1952/Mines Act, 1952
 खनन परीक्षा बोर्ड/Board of Mining Examinations
 फोरमैन सक्षमता प्रमाण-पत्र
FOREMAN'S CERTIFICATE OF COMPETENCY
 (धात्विकीय खान विनियम, 1961 के अन्तर्गत)
 (Under the Metalliferous Mines Regulations, 1961)

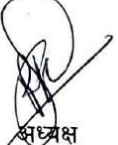

 Mine Manager
 North Gold Mines Co., Ltd.

श्री मोहम्मद हुसैन सुपुत्र महबूज पाशा
 जिनकी जन्म तिथि 01.06.1994 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने पर एतद्वारा फोरमैन सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र दिनांक 16.03.2017 से प्रभावी है।

Shri Mohammed Hussain son of Mahabooz Pasha
 born on 01st June, 1994 having given satisfactory evidence of possessing the prescribed qualifications and experience is hereby granted MINE FOREMAN'S CERTIFICATE OF COMPETENCY. This certificate is effective from 16.03.2017




 खनन परीक्षा बोर्ड
 Secretary
 Board of Mining
 Examinations


 अध्यक्ष
 खनन परीक्षा बोर्ड
 Chairman
 Board of Mining
 Examinations

Signed and Sealed
Date 29.06.18

Certificate of Foreman

Annexure No.3

**KERALA STATE POLLUTION CONTROL BOARD**

FILE NO. :PCB/TVM-DO/ICO/NDD-243/2017

Date of issue :06/05/2023

INTEGRATED CONSENT TO OPERATE - RENEWAL**Consent No : PCB/TVM-DO/NDD/ICO(R)/QRY/05/2023****Ref : Consent no. PCB/TVM-DO/ICO(VAR)/NDD/QRY-02/2022 dated 17/01/2022**

The 'Integrated Consent to Operate' issued as per reference above to M/s Travancore Blue Metal Industries Private Ltd., Cheriyaconni, Cheriyaconni P.O, Aruvikkara, Nedumangad, Thiruvananthapuram is hereby renewed up to 27/02/2027 and issued to M/s Travancore Blue Metal Industries Private Ltd., Cheriyaconni, Cheriyaconni P.O, Aruvikkara, Nedumangad, 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	FEE REMITTED	RS 157000/-
2	Excess Fee	RS 7000/-
3	CATEGORY	RED
4	ANNUAL FEE	RS 30000/-
5	CAPITAL INVESTMENT	288 Lakhs
6	VALIDITY	27/02/2027

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

Page1

1. This Consent to Operate is provisionally renewed in respectful compliance of the Order dated 12.04.2023 of the Hon'ble High Court of Kerala in W.P.(C)No.12648/2023, subject to further Orders in the writ petition.

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

DATE :06/05/2023

Simi P

Digitally signed by Simi P
Date: 2023.05.06 10:44:50
+05'30'

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




To

Suresh Kumar P.V.
Cheriyakonni,
Cheriyakonni P.O.,
Aruvikkara,
Nedumangad,
Thiruvananthapuram

1. This digitally signed document is legally valid as per the Information Technology Act 2000

2. For verifying this document please go to krocmmms.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.

Annexure No.4


सत्यमेव जयते

Validity expires on 30/03/2022

**Proceedings of the State Environment Impact Assessment Authority
Kerala**

*Present: Prof. (Dr.) K.P. Joy, Chairman; Dr. J. Subhashini Member; Sri. V.S. Senthil, I.A.S Member
Secretary.*

Sub: - SEIAA- Environmental clearance for the quarry project in Sy. No. 229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3, 245/6-4, 231/1, 241/3, 245/7, 245/9, 245/11, 293/7, 294/1, 294/3, 294/18 (Total Area-12.0836 Ha) at Aruvikkara Village and Panchayath, Nedumangad Taluk, Thiruvananthapuram District by Sri.P.V.Suresh Kumar, M/s.Travancore Blue Metal Industries (P) Ltd - EC Granted - Orders issued.

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 152/SEIAA/KL/3072/2013 Dated, Thiruvananthapuram 31/03/2017.

Read:-

1. Application dated on 08/11/2013 submitted by Sri.P.V.Suresh Kumar, for the proposed mining project of M/s.Travancore Blue Metal Industries (P) Ltd.
2. Minutes of the meeting of 22nd SEAC held on 7-12-2013
3. Minutes of the meeting of 26th SEAC held on 20/21-03/2014
4. Minutes of the meeting of 30th SEAC held on 6/7-6/2014.
5. Minutes of the meeting of 33rd SEIAA held on 24/9/2014
6. Minutes of the meeting of 35th SEAC held on 17/18-10/2014
7. Minutes of the meeting of 46th SEAC held on 29/30-08/2015
8. Minutes of the meeting of 49th SEAC held on 7/8-12/2015
9. Minutes of the meeting of 52nd SEAC held on 8/9-02/2016
10. Minutes of the meeting of 51st SEIAA held on 29/3/2016
11. Minutes of the meeting of 56th SEAC held on 6/7-06/2016
12. Minutes of the meeting of 60th SEAC held on 28/29-07/2016
13. Minutes of the meeting of 62nd SEAC held on 06/07-9/2016
14. Minutes of the meeting of 63rd SEAC held on 4/10/2016
15. Minutes of the meeting of 64th SEAC held on 16/17-11/2016
16. Minutes of the meeting of 62nd SEIAA held on 23/12/2016


Environmental Clearance No 29/2017

Sri. P. V. Suresh Kumar, Director of M/s Travancore Blue Metal Industries (P) Ltd., vide his application received on 08-11-2013, has sought Environmental Clearance under EIA Notification, 2006 for the proposed mining project in Sy. Nos. 229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2,

1


Copy of Environmental Clearance

Annexure No. 5



GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION(PESO)
(Formerly Department of Explosives)
 Kendriya Bhavan, Block C-2, 3rd Floor
 CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
 Tele: 2427286 Fax: 2427276
 Email: dycceernakulam@explosives.gov.in

No.: E/SC/KL/22/1215(E58077)

Dated:02/02/2018


To,
 ✓ *Shri.M/S Suresh Kumar.P.V.,*
 Director,Travancore Blue Metal Industries Pvt Ltd Thekkemala-Mylom, Cheriyakonni Post, Thiruvannathapuram District-
 695013, Kerala. , Town/Village - Cheriyakonni
 District-THIRUVANANTHAPURAM, State-Kerala, Pincode - 695013

Subject: Possession for Use of of Explosives from magazine situated at Survey No.:245/6-2, Block 41 ., Aruvikkara village, Nedumangad Taluk, Thiruvananth, Dist. THIRUVANANTHAPURAM, Kerala -Licence No.: E/SC/KL/22/1215(E58077) granted in Form LE-3 of Explosives Rules, 2008 - Amendment in Drawings/Facilities/Premises .

Sir(s),

Please refer to your letter No. e58077 dated 02/02/2018 on the subject cited above.

The Licence No.: E/SC/KL/22/1215(E58077) is forwarded herewith duly amended in respect of followings ;

1. INTIMATION REGARDING QUARRY ING OPERATIONS AT SY.NO. 1. INTIMATION REGARDING QUARRY ING OPERATIONS AT SY.NO. 229/1,229/13,229/9,229/9-1,234/10,234/11,234/3,234/4, 234/5, 234/6, 234/8-2,234/9-1,238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 7-1, 7-2, 8, 9, 10, 11, 241/1-1, 1-2,2,4,5,6,7,8,8-1, 9-1,10,12-16,12-17,12-2, 13-1, 18,242/1, 2,4-2, 4-3,5,6,7,8, 245/4, 5,6,6-1, 6-2, 6-3,245/6-4 ` OF ARUVIKKARA VILLAGE, NEDUMANGAD TALUK, THIRUVANANTHAPURAM DIST. VIDE INDENT LETTER FROM DEPT OF MINING & GEOLOGY NO. 8300/M3/2017 DATED 4/10/2107 IS ACKNOWLEDGED. NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY SUBMITTED TO THIS OFFICE. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION.2. LICENSED EXPLOSIVES VAN SHALL BE USED FOR TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO BLASTING SITE.3. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.4. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.5. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 6. ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7 RE-13 SHALL BE MAINTAINED.6.DAILY PASS FOR USE OF EXPLOSIVES (RE-13) SHALL BE GENERATED ONLINE. ` OF VILLAGE, TALUK, DIST. VIDE INDENT LETTER FROM DEPT OF MINING & GEOLOGY NO. DATED IS ACKNOWLEDGED. NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY SUBMITTED TO THIS OFFICE. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION.2. LICENSED EXPLOSIVES VAN SHALL BE USED FOR TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO BLASTING SITE.3. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.4. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.5. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 6. ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7 RE-13 SHALL BE MAINTAINED.6.DAILY PASS FOR USE OF EXPLOSIVES (RE-13) SHALL BE GENERATED ONLINE..

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

No	Explosive(s)	Class	Div	Sub Div	Capacity	Unit
1	Nitrate Mixture	2	0	0	150	Kg.
2	Electric and/or Ordinary Detonators	6	3	0	5000	Nos.
3	Safety Fuse	6	1	0	2000	Mtrs

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

This Licence shall remain valid till **31st day of March 2021.**

For further renewal of licence, please follow the procedure under Rule 112 of Explosives Rules, 2008.
Receipt of this letter may please be acknowledged.

Enclosures :


Copy Forwarded to:

1. District Magistrate, THIRUVANANTHAPURAM, Kerala with reference to his Noc No: A17-26996/10 Dated: 17/09/2010.
2. Superintendent of Police, THIRUVANANTHAPURAM, Kerala

Yours faithfully,
(S M Kulkarni)
Deputy Chief Controller of Explosives
Ernakulam
उ.सु.वि.नि., एरनाकुलम
D.C.C.E., Ernakulam

Deputy Chief Controller of Explosives
Ernakulam

[For more information regarding status, fees and other details, please visit our web site <http://peso.gov.in>]



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.कक्कनाड कोच्ची | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
फोन (Phone):- 2427286 | फेक्स (Fax):- 2427276
ई-मेल Email: dycceernakulam@explosives.gov.in

29 JAN 2021

संख्या (No.): E/SC/KL/22/1215(E58077) दिनांक (Date): 25/01/2021

सेवा में | To,
Shri.M/S Suresh Kumar.P.V.,
Director, Travancore Blue Metal Industries Pvt Ltd Thekkemala-Mylom, Cheriyaconni Post,
Thiruvannanthapuram District-695013, Kerala, Town/Village - Cheriyaconni
District-THIRUVANANTHAPURAM, State-Kerala, Pincode - 695013

विषय : Survey No.245/6-2, Block 41 ., ग्राम Aruvikkara village, Nedumangad Taluk, Thiruvananth, जिला THIRUVANANTHAPURAM, राज्य Kerala में विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1215(E58077) के नवीनीकरण संदर्भ में।

Subject: Possession for Use of Explosives from magazine situated at Survey No.:245/6-2, Block 41 ., Aruvikkara village, Nedumangad Taluk, Thiruvananth, Dist. THIRUVANANTHAPURAM, Kerala - Licence No.: E/SC/KL/22/1215(E58077) granted in Form LE-3 of Explosives Rules, 2008 - Renewal regarding

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 11/01/2021 का संदर्भ ग्रहण करें। विस्फोटक नियम, 2008 के अंतर्गत प्ररूप LE-3 में जारी अनुज्ञप्ति दिनांक 31/3/2026 तक नवीनीकृत कर इस पत्र के साथ भेजी जा रही है।
Reference to your letter No.: Nil dated: 11/01/2021, the subject licence duly renewed upto 31/3/2026 and issued in Form LE-3 of Explosives Rules, 2008 is forwarded herewith.

Conditions:
1) QUARRYING SHALL BE STARTED USING EXPLOSIVES ONLY AFTER GRANT OF QUARRYING LEASE FROM THE DIRECTOR OF MINING & GEOLOGY . PLEASE NOTE 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.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया निम्नलिखित दस्तावेज दिनांक 31/03/ 2026 से पहले इस कार्यालय को भेजे जाएं।
For further renewal of licence, please submit the following documents so as to reach this office on or before 31/3/2026.

- प्ररूप आरई-1 में विधिवत पूर्ण एवं हस्ताक्षरित आवेदन।
Application in Form RE-1 duly filled in and signed.
- एक से पाँच वर्ष के अनुज्ञप्ति शुल्को का, विस्फोटक नियम, 2008 के तहत ऑनलाइन आवेदन पोर्टल पर उपलब्ध ई-भुगतान सुविधा के माध्यम से लाइसेंस शुल्क ऑनलाइन जमा किया जाना है।
Licence fees renewable for one to five years, to be submitted online through e-payment facility available on online application portal under the Explosives Rules, 2008.
- अनुमोदित प्लान के साथ मूल अनुज्ञप्ति।
Original licence with approved plan.
- कृपया इस संबंध में विस्फोटक नियम, 2008 के नियम 112 का भी संदर्भ ग्रहण करें।
In this connection, please also refer to Rule 112 of Explosives Rules, 2008.
- विस्फोटकों के क्रय हेतु आरई-11 में मांगपत्र (इंडेंट) आपूर्तिकर्ता को दिया जाए और उसी की एक प्रति इस कार्यालय को भेजी जाए (आतिशबाजी गोदाम के लिए लागू नहीं)।
Indent for purchase of explosives shall be placed in RE-11 with the supplier and copy of the same shall be sent to this office.(Not applicable for fireworks store house)

- कृपया विस्फोटकों की त्रैमासिक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तुत की जाएं। विवरणी इस कार्यालय के कार्यालय में आगामी तिमाही के 10 तारीख से पहले पहुंच जानी चाहिए (आतिशबाजी गोदाम के लिए लागू नहीं)।
Please submit quarterly returns of explosives in RE-7 at the end of every quarter so as to reach this office by 10th of the succeeding quarter.(Not applicable for fireworks store house)
- सभी ब्लास्टिंग आपरेशन एक सक्षम द्वारा की जाएगी जो उपरोक्त नियमों के तहत एक वैध शॉट फायर प्रमाणपत्र धारक हो। हालांकि, खान अधिनियम 1952 के अधीन आने वाले खानों में ब्लास्टिंग आपरेशन करने वाले ब्लास्टर की योग्यता उसी अधिनियम से निर्धारित हो।
All blasting operations shall be carried out by a competent person holding a valid shot firer's permit granted under above rules. However, blasting operations in mines coming under the purview of the Mines Act 1952, the blaster shall have qualifications prescribed in the regulations framed under the said Act.

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R.Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्ची | Ernakulam

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives

प्रतिलिपि प्रेषित | Copy Forwarded to:


1. ज़िला मजिस्ट्रेट (District Magistrate), THIRUVANANTHAPURAM (Kerala) सूचना के लिए (for information.)
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>)

अनुज्ञापते 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/22/1215(E58077)
वार्षिक फीस रुपए (Annual Fee Rs): 2400/-



1. Licence is hereby granted to

Shri.M/S Suresh Kumar.P.V. (आधिभागी / Occupier : Shri Suresh Kumar.P.V.),
Director,Travancore Blue Metal Industries Pvt Ltd Thekkemala-Mylom, CheriyaKonni Post,
Thiruvannathapuram District-695013, Kerala., Town/Village - CheriyaKonni, District-
THIRUVANANTHAPURAM, State-Kerala, Pincode - 695013

को अनुज्ञापति अनुदत्त की जाती है।

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

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

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. सं.	नाम और विवरण	वर्ग और प्रभाग	उप-प्रभाग	मात्रा किसी एक समय में
Sr. No.	Name and Description	Class & Division	Sub-division	Quantity at any one time
1.	Nitrate Mixture	2,0	0	150 Kg.
2.	Electric and/or Ordinary Detonators	6,3	0	5000 Nos.
3.	Safety Fuse	6,1	0	2000 Mtrs

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञापति के लिए] : **26 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/22/1215 (E58077)
दिनांक (Dated) 29/04/2011

6. अनुज्ञापति परिसर निम्नलिखित पते पर स्थित है। The licensed premises are situated at following address:
Survey No. 245/6-2, Block 41 . , ग्राम (Town/Village) : Aruvikkara village, Nedumangad Taluk, Thiruvananth
जिला (District) **THIRUVANANTHAPURAM** राज्य (State) **Kerala** पिनकोड (Pincode) **695013**
दूरभाष (Phone) **09447178279** ई. मेल (E-Mail) **पुलिस थाना (Police Station) : Nedumangad** फेक्स (Fax)

7. अनुज्ञापति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities.
D(110) and E(172) and E(854) type portable magazine (Mfd by Thekkans Engg and Fabrication Works, Ernakulam)total three portable magazine after this amendment

8. अनुज्ञापति समय – समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबद्धों 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 हस्ता.क्षरित 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 अनुज्ञप्ति 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.

Sd/-

तारीख | The Date - 29/04/2011

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

Amendments :

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 13/01/2012
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 12/06/2013
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 02/01/2014
- Amendment in Drawings/Facilities/Premises dated : 02/02/2018
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 30/01/2019

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal


नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
25/01/2021	31/03/2026	Dy. Chief Controller of Explosives, Ernakulam उप मुख्य विस्फोटक नियंत्रक Deputy Chief Controller of Explosives एरनाकुलम 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.


Copy of Explosive

Annexure No. 6




ലൈസൻസ് നമ്പർ:എസ്.സി 1/51/23 -24 തീയതി : 01/04/2023
 അരുവിക്കര ഗ്രാമപഞ്ചായത്തിൽ നിന്നും
 1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്റ്റ് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ
 വകുപ്പുകളും തൽ സംബന്ധമായ ചട്ടങ്ങളും ബൈലോയും അനുസരിച്ച്
വ്യവസായങ്ങൾ/ഫാക്ടറികൾ/വ്യാപാരം/സംരംഭകത്വം/മറ്റുസേവനങ്ങൾ
എന്നിവയ്ക്ക് നൽകുന്ന ലൈസൻസ്

ലൈസൻസിന്റെ പേരും മേൽവിലാസവും	ശ്രീ.പി.വി.സുരേഷ് കുമാർ, ഡയറക്ടർ, ട്രാവൻകൂർ ബ്ലൂ മേറ്റൽ ഇൻഡസ്ട്രീസ് പ്രൈവറ്റ് ലിമിറ്റഡ്, ചെറിയകൊണ്ണി.	
സ്ഥാപനത്തിന്റെ പേരും മേൽവിലാസവും	ട്രാവൻകൂർ ബ്ലൂ മേറ്റൽ ഇൻഡസ്ട്രീസ് പ്രൈവറ്റ് ലിമിറ്റഡ്, ചെറിയകൊണ്ണി.	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറ ക്വറി നടത്തുന്നതിന്	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	സർവ്വേ നമ്പർ 229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3, 245/6-4	
ലൈസൻസ് കാലയളവ്	10/04/2023 മുതൽ 31/03/2024	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	15000+2500 = 17500/-	രസീത് നമ്പർ
		122010107119 Dated 24/03/2023
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ	1) മുൻ ലൈസൻസ് പകർപ്പ് 2) പി.സി.ബി സർട്ടിഫിക്കറ്റ് പകർപ്പ് 3) മൈനിംഗ് & ജിയോളജി ക്വാറിയിംഗ് ലീസ് 4) എക്സ്പ്ലോസീവ് ലൈസൻസ് 5) ഫയർ.എൻ.ഒ.സി	



ഓഫീസ് മുദ്ര



അരുവിക്കര ഗ്രാമപഞ്ചായത്ത്
 SHIBU PRASAD, I.S
 Secretary
 Aruvikkara Gram Panchayat
 Aruvikkara P.O., Trivandrum (Dist.), Kerala (State)
 India - 695564, Ph: 0472 2888225, 9456040691

Copy of license from Gram Panchayat

Annexure No.7

NO. 3898/1/2010 5

भारतीय गैर न्यायिक
एक सौ रुपये
INDIA NON JUDICIAL

I have satisfied myself that
on verification of original of this
deed request stamp duty of
Rs. 9796/- has been adjudicated and
realized
23rd November 2010
High Commissioner

KERALA
H 639847

Form - 'H'
(See Rule 32)
Quarrying Lease

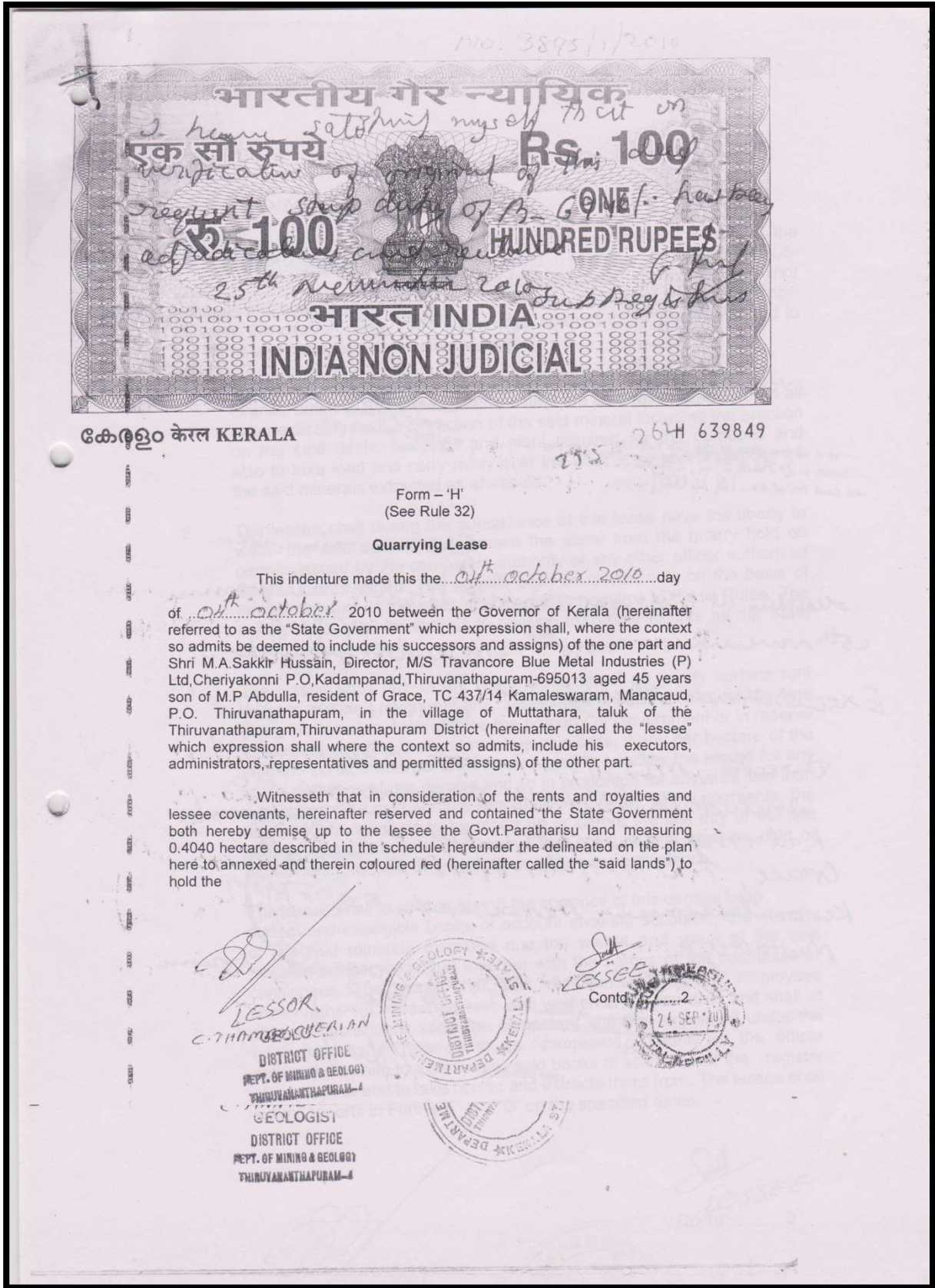
This indenture made this the 04th October 2010 day
of 04th October 2010 between the Governor of Kerala (hereinafter
referred to as the "State Government" which expression shall, where the context
so admits be deemed to include his successors and assigns) of the one part and
Shri M.A.Sakkir Hussain, Director, M/S Travancore Blue Metal Industries (P)
Ltd,Cheriyakonni P.O,Kadapanad,Thiruvananthapuram-695013 aged 45 years
son of M.P Abdulla, resident of Grace, TC 437/14 Kamaleswaram, Manacaud,
P.O. Thiruvananthapuram, in the village of Muttathara, taluk of the
Thiruvananthapuram,Thiruvananthapuram District (hereinafter called the "lessee"
which expression shall where the context so admits, include his executors,
administrators, representatives and permitted assigns) of the other part.

Witnesseth that in consideration of the rents and royalties and
lessee covenants, hereinafter reserved and contained the State Government
both hereby demise up to the lessee the Govt.Paratharisu land measuring
0.5983 hectare described in the schedule hereunder the delineated on the plan
here to annexed and therein coloured red (hereinafter called the "said lands") to
hold the

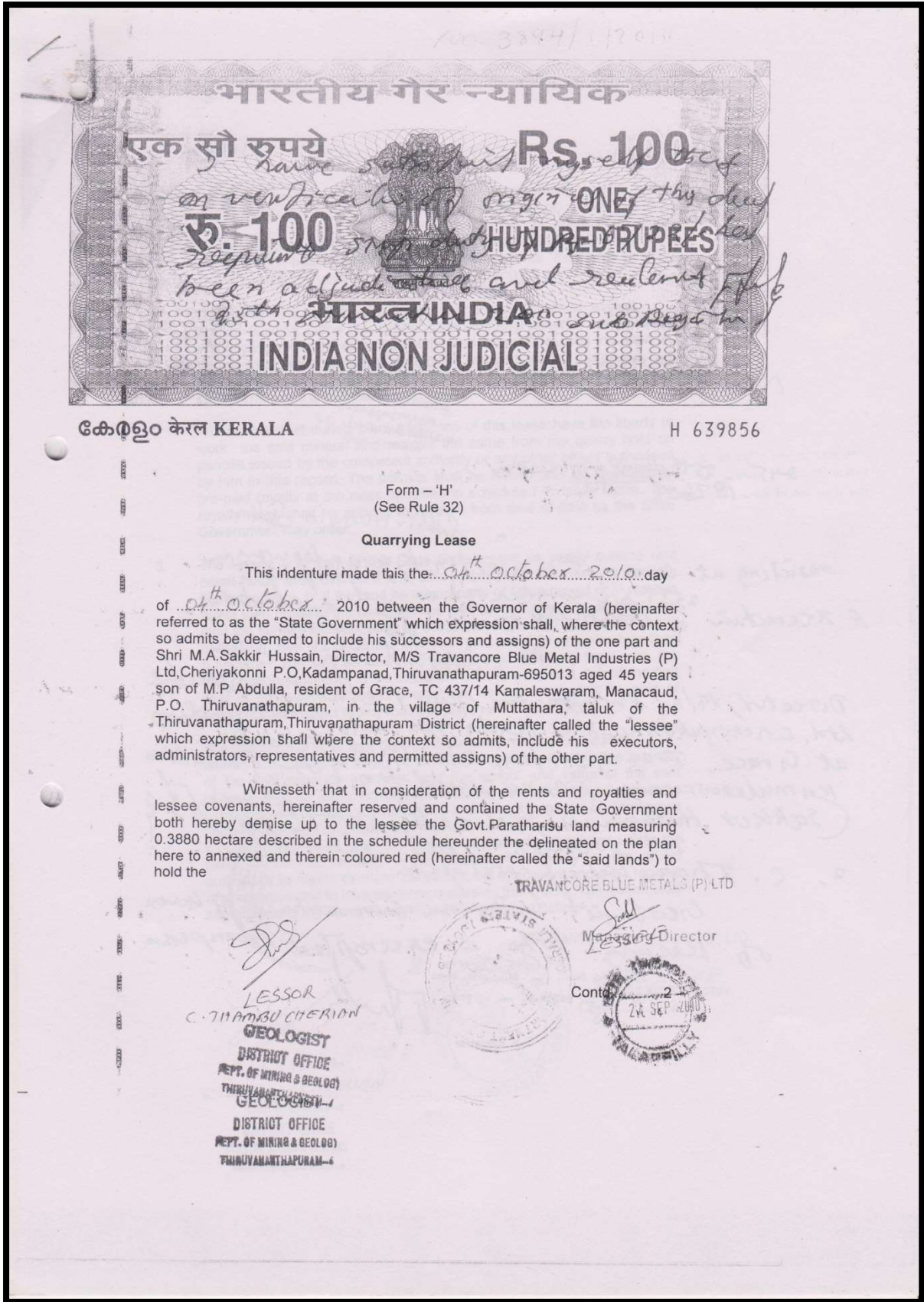
LESSOR
C. THAMBALAKHERIAN
GEOLOGIST
DISTRICT OFFICE

LESSEE
Contd. 2
24 SEP 14 11

Copy of lease



Copy of lease



Copy of lease

No: 2993/1/2010

भारतीय गैर न्यायिक

एक सौ रुपये

रु. 100

Rs. 100

ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

केरल KERALA C 712722


Form - 'H'
(See Rule 32)

Quarrying Lease


This indenture made this the 28th day
of July 2010 between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and Shri M.A.Sakkir Hussain aged 45 years, The Director, M/S Travancore Blue Metal Industries (P) Ltd,Cheriyakonni P.O,Kadapanad,Thiruvananthapuram. son of Abdulla M.P, resident of Grace, TC 43/714 Kamaleswaram, Manacaud, P.O. Thiruvananthapuram, in the village of Muttathara, taluk of the Thiruvananthapuram, Thiruvananthapuram District (hereinafter called the "lessee" which expression shall where the context so admits, include his executors, administrators, representatives and permitted assigns) of the other part.

Witnesseth that in consideration of the rents and royalties and lessee/ covenants, hereinafter reserved and contained the State Government both hereby demise up to the lessee the land measuring 1.4781 hectares described in the schedule hereunder the delineated on the plan here to annexed and therein coloured red (hereinafter called the "said lands") to hold the

R. Gopakumar
R. Gopakumar
Geologist



M.A. Sakkir Hussain
M.A. Sakkir Hussain



Copy of lease

Adjudication Certificate Under Section 32 of Kerala Stamp Act 1959 488
2018 To the District Registrar 12-1200/18
(GL) Thiruvananthapuram, dtd. 3-3-18

भारतीय गैर न्यायिक भारत INDIA



The original document registered along with
The duplicate it bears the stamp duty 500/-
of the value of much less **FIVE HUNDRED** **RUPEES** **Sub Registered**

पाँच सौ रुपये **Rs. 500**


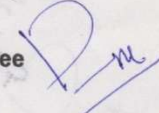
INDIA NON JUDICIAL

F 937501

Form H
(see Rule 43)
QUARRYING LEASE

This **DEED OF LEASE** made on this the 28 day of Feb 2018 between

Lessor  Lessee 

DEPARTMENT OF REVENUE
DISTRICT OFFICE
THIRUVANANTHAPURAM

No. 15877 Value Rs. 500/-
Issued to 28/2/18 M/s Travancore Blue Metal Industries PVT Ltd

DISTRICT REGISTRAR & COLLECTOR
27 FEB 2018

THE GOVERNOR OF KERALA (hereinafter referred to as '**the State Government**' which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and

M/s TRAVANCORE BLUE METAL INDUSTRIES PVT. LTD, having its office at Kadambanad, CheriyaKonni P.O, Thiruvananthapuram District - 695 013 (Represented herein by its Director, **SURESH KUMAR** (holder of Aadhar card No. 9365 5194 5619), S/o Sreedharan Nair, aged 46 years, residing at Palakkavil House, Annakara P.O, Mullassery Village, Chavakkad Taluk, Thrissur-680 508) (hereinafter called '**the Lessee/Lessees**' which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part

WITNESSETH that in consideration of the rents and royalties and Lessee's/Lessees covenants, hereinafter reserved and contained, the State Government hereby give on lease to the Lessee/Lessees the land measuring **9.2152 hectares** described in the Schedule hereunder and delineated on the plan hereto annexed and therein colored red (hereinafter called the "said lands") to hold the same for a period of **NINE YEARS (9 years)** commencing from the 28/2/2018 and ending on the 27/2/2027 for the purposes of extracting minor mineral/minerals and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 2015 (hereinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing.

Lessor



Lessee

DISTRICT REGISTRAR (GL) / COLLECTOR

Total 11 sheets 2 show

Copy of lease

Annexure No.9


Aruvikkara Grama Panchayat A9363559	
Aruvikkara, Phone:04722888225	
ACKNOWLEDGEMENT (Not for Cash Transactions)	
Ward No	3607
Year	2017
Date of Receipt	16/05/2017
Name of Applicant	suresh kumar p.v, arv
Subject	travancore blue metal
Date of Delivery	
Section	A4
Remarks :	
Counter No. & Staff :	16/05/2017 12:46:27PM
	Secretary

KREWS (GLM, KANJIKODE) 2014

Chequens are subject to realisation

Acknowledgment from Gram Panchayat

Annexure No.10



भारतीय गैर न्यायिक
एक सौ रुपये **Rs. 100**
रु. 100 **ONE HUNDRED RUPEES**
भारत INDIA
INDIA NON JUDICIAL
AFFIDAVIT

കേരളം **KERALA** **BN 733203**

I, **Suresh Kumar**, authorized signatory of M/s Travancore Blue Metal Industries Private Limited having its correspondence office at Kadambanad, Cheriyakonni P.O., Trivandrum - 695013, Kerala do hereby affirm and confirm as follows:-

1. That, M/s Travancore Blue Metal Industries Private Limited propose to develop a quarry project at Sy.Nos.229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3, 245/6-4, 231/1, 241/3, 245/7, 245/9, 245/11, 293/7, 294/1, 294/3, 294/18 at Aruvikkara Village, Aruvikkara Panchayat, Nedumangad Taluk, Thiruvananthapuram District, Kerala.
2. That, the Environment Clearance proceedings number and date are Order No.152/SEIAA/KL/3072/2013 dt. 31/03/2017.
3. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.

DEPONENT

Verification :
 Verified that my above statements are true to the best of my knowledge and belief and nothing material has been concealed therein.

DEPONENT

Place: Thiruvananthapuram
 Date: 15/05/2017
151517 P.V. Suresh Kumar
 Director Travancore

NOTARY
SURENDAR V.P.
 ADVOCATE & NOTARY
 DISTRICT JURISDICTION
 THIRUVANANTHAPURAM

SURENDAR V.P. B.A. LL.B.
 ADVOCATE & NOTARY
 Roll No. /K/M/11/1993
 VANCOV

Copy of Affidavit

Annexure No.11

**TEST REPORT**

Test Report No.: 2305019/R008	Date: 26-05-2023	Page 1 of 1
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CUSTOMER DETAILS

Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District		
Customer Reference	Test Request date: 18-05-2023		

SAMPLE DETAILS

Product Category	Atmospheric Pollution	Sample Code	2305019/S008
Sample Name	Ambient Air	Sample Received on	19-05-2023
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	20-05-2023
Sampled by	Lab Authorized Sampler	Test Completed on	25-05-2023

DETAILS OF SAMPLING

Sampling Location	Near East Side Boundary	Date of Sampling	18-05-2023
Sampling Procedure	SEAL/ENL/GEN/SOP/02	Humidity	67%

SAMPLING SITE DETAILS

Survey No.	229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3, 245/6-4, 231/1, 241/3, 245/7, 245/9, 245/11, 293/7, 294/1, 294/3, 294/18		
Village	Aruvikkara	Taluk	Nedumangad
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	48.2	100 (Max)
2	Particulate matter, PM _{2.5}	IS 5182 (Part 24): 2019	µg/m ³	25.6	60.0 (Max)
3	Sulphur dioxide as SO ₂	IS 5182 (Part 2): 2001	µg/m ³	<4.00	80.0 (Max)
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006	µg/m ³	<4.00	80.0 (Max)

End of Report

Shency Joy
Dy.TM-Chemical
Checked by:



Laiju P.N.
Laboratory Head
Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

K.I. 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: seaalab@gmail.com

Result of Air

Annexure No.12

**TEST REPORT**

Test Report No.: 2305019/R009	Date: 26-05-2023	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District
Customer Reference	Test Request date: 18-05-2023

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	2305019/S009
Sample Name	Ambient Noise	Monitoring Commenced on	18-05-2023
Test Method	IS 9989:1981	Monitoring Completed on	19-05-2023
Monitoring Location	Near East Side Boundary	Monitored by	Lab Authorized Sampler

SAMPLING SITE DETAILS			
Survey No.	229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3, 245/6-4, 231/1, 241/3, 245/7, 245/9, 245/11, 293/7, 294/1, 294/3, 294/18		
Village	Aruvikkara	Taluk	Nedumangad
District	Thiruvananthapuram	State	Kerala

MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	37.1	14:00	49.7	22:00	35.9
07:00	39.7	15:00	50.0	23:00	35.6
08:00	43.9	16:00	51.2	24:00	38.2
09:00	47.4	17:00	51.6	01:00	38.9
10:00	49.7	18:00	46.2	02:00	38.5
11:00	52.7	19:00	42.8	03:00	39.3
12:00	50.0	20:00	39.0	04:00	38.2
13:00	49.3	21:00	38.5	05:00	40.0

Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	48.1
2	Ambient Sound Level (Leq) Night Time	dB(A)	38.5

Remarks:

End of Report

Shency Joy
Dy.TM-Chemical
Checked by:



Laiju P.N.
Laboratory Head
Authorized Signatory

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Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.
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: seaalab@gmail.com

Result of Noise

Annexure No.13

**TEST REPORT**

Test Report No: 0220615/R023	Date: 20-06-2022	Page 1 of 2
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CUSTOMER DETAILS

Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District
Customer Reference	Test Request Date: 18-05-2023

SAMPLE DETAILS

Product Category	Water	Sample Code	2305019/S010
Sample Name	Ground Water	Sample Received on	19-05-2023
Sample Description by Customer	Open Well Water	Temperature @ Receipt	27°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	20-05-2023
Sample Quantity & Packing	1 L & 125 ml in a Plastic Bottle	Test Completed on	25-05-2023
Information Provided by Customer	---	Sampled by	Not Drawn by Laboratory

SAMPLING SITE DETAILS

Survey No.	229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3, 245/6-4, 231/1, 241/3, 245/7, 245/9, 245/11, 293/7, 294/1, 294/3, 294/18		
Village	Aruvikkara	Taluk	Nedumangad
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)

Shency Joy
Dy.TM-Chemical
Checked by



Salini T.S.
Microbiologist
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

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: seaalab@gmail.com

**TEST REPORT**

Test Report No: 0220615/R023	Date: 20-06-2022	Page 2 of 2
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TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
4	pH	IS 3025 (Part 11): 1983	---	7.12	6.50-8.50
5	Conductivity	IS 3025 (Part 14):1984	µS/cm	102	---
6	Total Dissolved Solids	IS 3025 (Part 16): 1984	mg/L	66.5	500 (Max)
7	Total Hardness as CaCO ₃	IS 3025 (Part 21): 2009	mg/L	30.0	200 (Max)
8	Calcium as Ca	IS 3025 (Part 40): 1991	mg/L	8.80	75 (Max)
9	Magnesium as Mg	IS 3025 (Part 46): 1994	mg/L	1.95	30 (Max)
10	Chloride as Cl	IS 3025 (Part 32): 1988	mg/L	12.4	250 (Max)
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 1986	mg/L	19.9	200 (Max)
12	Iron as Fe	IS 3025 (Part 53): 2003	mg/L	0.25	1 (Max)
13	Sulphate as SO ₄	IS 3025 (Part 24): 1986	mg/L	2.13	200 (Max)

TEST RESULTS - BIOLOGICAL DISCIPLINE					
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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Standard^S Environmental & Analytical Laboratories

Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

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**Result of Water**

Annexure No.14

(ORIGINAL FOR RECIPIENT)

Invoice No. 3
Ref. No.

Dated 5-Jul-2018

Sungrid Technologies
C T M Complex
Ambady Lane
Kokkalai
Thrissur - 680021
GSTIN/UIN: 32ACLFS1729D1ZC
State Name : Kerala, Code : 32

Tax Invoice

Party : **TRAVANCORE BLUEMETAL INDUSTRIES PVT LTD**
KADAMBANAD, CHERIYAKONNI P O
TRIVANDRUM
GSTIN/UIN : 32AADCT3759M1Z0
State Name : Kerala, Code : 32

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount	
1	24 W STREET LIGHT		1 nos	1,517.86	nos	1,517.86	
2	600va Solar Pcu Batch: 050718	8400	1 nos	11,619.00	nos	11,619.00	
3	100 AH TUBULAR BATTERY Batch: 050718	8507	1 nos	9,453.00	nos	9,453.00	
4	100wp Solarphotovoltaic Module Waaree Batch: 050718	8541	4 nos	5,238.00	nos	20,952.00	
						43,541.86	
					14 %	1,323.42	
					14 %	1,323.42	
					2.50 %	814.28	
					2.50 %	814.28	
					6 %	91.07	
					6 %	91.07	
						0.60	
Total						7 nos	₹ 48,000.00


Amount Chargeable (in words) E. & O.E
INR Forty Eight Thousand Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8400	1,517.86	6%	91.07	6%	91.07	182.14
8507	11,619.00	2.50%	290.48	2.50%	290.48	580.96
8507	9,453.00	14%	1,323.42	14%	1,323.42	2,646.84
8541	20,952.00	2.50%	523.80	2.50%	523.80	1,047.60
Total	43,541.86		2,228.77		2,228.77	4,457.54

Tax Amount (in words) : **INR Four Thousand Four Hundred Fifty Seven and Fifty Four paise Only**

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

Customer's Seal and Signature _____

for Sungrid Technologies

Authorised Signatory

This is a Computer Generated Invoice

(ORIGINAL FOR RECIPIENT)

Invoice No. 4
Ref. No.

Dated 5-Jul-2018

Sungrid Technologies
C T M Complex
Ambady Lane
Kokkalai
Thrissur - 680021
GSTIN/UIN: 32ACLF51729D1ZC
State Name : Kerala, Code : 32

Tax Invoice

Party : **TRAVANCORE BLUEMETAL INDUSTRIES PVT LTD**
KADAMBANAD, CHERIYAKONNI P O
TRIVANDRUM
GSTIN/UIN : 32AADCT3759M1Z0
State Name : Kerala, Code : 32

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	SLV600L Batch: 040718	8507	1 nos 1 nos	3,789.00	nos	3,789.00
2	75wp Solarphotovoltaic Module Waaree Batch: 050718	8541	1 nos 1 nos	4,285.71	nos	4,285.71
3	24watt Solar Dome Batch: 050718	8400	1 nos 1 nos	5,523.81	nos	5,523.81
						13,598.52
				SGST@14%	14 %	530.46
				CGST@14%	14 %	530.46
				SGST@2.5%	2.50 %	245.24
				CGST@2.5%	2.50 %	245.24
				Round Off		0.08
Total						₹ 15,150.00


Amount Chargeable (in words) E. & O.E
INR Fifteen Thousand One Hundred Fifty Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8507	3,789.00	14%	530.46	14%	530.46	1,060.92
8541	4,285.71	2.50%	107.14	2.50%	107.14	214.28
8400	5,523.81	2.50%	138.10	2.50%	138.10	276.20
Total	13,598.52		775.70		775.70	1,551.40

Tax Amount (in words) : **INR One Thousand Five Hundred Fifty One and Forty paise Only**

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

Customer's Seal and Signature _____

for Sungrid Technologies

Authorised Signatory

This is a Computer Generated Invoice

Bill of solar street lights

Annexure No.15

ASB
 THE KERALA AGRO INDUSTRIES CORPORATION LTD
 AGRO SUPER BAZAAR KISSAN JYOTHI
 FORT TRIVANDRUM-23 GSTIN-32AAACK9623N2ZA
 GST INVOICE

Invoice : 285042 Date : 10/02/2021
 Name : Time : 05:30 PM
 Address :

No	ITEM	PRICE	QTY	Dis%	AMOUNT
1	ATCO HAND WELDER PLASTIC HAND M 718	110.00	1.00	0	110.00
2	VEGETABLE FOR RS 10	10.00	1.00	0	10.00
3	SPRINKLER TE-3P ISI	140.00	5.00	0	700.00
TOTAL ITEM(S)			7		826.00
			Add KFC		6.25
			TOTAL		826.00
SGST(6%) :		37.50	CGST(6%) :		37.50
					6.25

ASB
 THE KERALA AGRO INDUSTRIES CORPORATION LTD
 AGRO SUPER BAZAAR KISSAN JYOTHI
 FORT TRIVANDRUM-23 GSTIN-32AAACK9623N2ZA

GSTIN : 32AAACK9623N2ZA	PAYTERMS : CASH
CIN NO :	INVOICE NO : ASB/TVM/C-304049
STATE : Kerala STATE CODE : 32	INVOICE DATE : 24/03/2021
Billed To :	Shipped To :
NAME : TRAVANCORE BLUE METAL INDUSTRIES PRIVATE	NAME :
ADDRESS :	ADDRESS :
GSTIN :	GSTIN :
PHONE :	


No	HSNCode	Commodity Items	Qty	Unit	Price	Gs Value	Dis(%)	Net Value	GST%	Amount
1	8424	SPRINKLER TE-3P	27.00	Nos	151.79	4098.22	0.00	4098.22	12.0	4590.01
Total			27			4098.22		4098.22		4590.01

Four Thousand Six Hundred Thirty One Only						Total Amt Before Tax	4098.21
%	TAXABLE	SGST	CGST	IGST	KFC	Dis(0.00)	0.00
0	0.00	0.00	0.00	0.00	0.00	Add : SGST	245.89
5	0.00	0.00	0.00	0.00	0.00	Add : CGST	245.89
12	4098.21	245.89	245.89	0.00	40.98	KFC	40.98
18	0.00	0.00	0.00	0.00	0.00	Other Chg	0.00
28	0.00	0.00	0.00	0.00	0.00	Rof	0.02
						TOTAL	4631.00

BANK NAME: KAIC AC AGRO SUPER BAZAR, ADDRESS: BANK OF BARODA, ACCOUNT NO: 05570200009194, BANK IFSC: BARBOTRIVAN.
 For ASB

Sprinkler Bill

Annexure No.16


 Branch : ARUVIKKARA
 Shopping Centre Aruvikkara Thiruvananthapuram
 Kerala 695684
 IFSC Code : IDIB000A070

VALID FOR THREE MONTHS ONLY
 दिनांक / Date: 27/07/2023
 D D M M Y Y Y Y

PAY AJITH-K. OR BEARER
 या धारक को

RUPEES रुपये EIGHT THOUSAND ONLY -

अदा करें ₹ 8000/-

CA खा. सं. / A/c No. 6115067532
 FOR TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

CBS Code : 998
 AUTHORIZED SIGNATORY

992000003 PAYABLE AT PAR AT ALL OUR BRANCHES Please sign above

⑈ 75 14 16 ⑈ 6950 1908 1⑈ 06 753 2⑈ 29


വെമ്പന്നൂർ യൂണിറ്റ്
പഠനോത്സവം - 2023

നമ്പർ. 51 സംഭാവന രസീത് തീയതി. 11/7/23

ശ്രീ/ശ്രീമതി Travancore Blue Metals Kadambh പക്കൽ നിന്നും

കൈപ്പറ്റിയിരിക്കുന്നു. 8000/- രൂപ നമ്പർ/രൂപം

₹ 8000/-

സെക്രട്ടറി

Indian Bank
Branch : ARLUVIKKARA
Shopping Centre Aruvikkara Thiruvananthapuram
Kerala 695564
IFSC Code : IDIB000A070

VALID FOR THREE MONTHS ONLY
दिनांक Date 05/08/2023
D D M M Y Y Y Y

PAY *Chithra o* OR BEARER
या धारक को

RUPEES रुपये *Eight Thousand only.*

अदा करें ₹ 8000/-

CA खा. सं. 6115067532
A/c. No.

FOR TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

CBS Code : 998

992000003 PAYABLE AT PAR AT ALL OUR BRANCHES

AUTHORISED SIGNATORY
Please sign above

⑈ 754440⑈ 69504908⑈ 067532⑈ 29

*CSR
Chithra - o
Medical treatment*

CSR Details

Annexure No.17

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
GOVERNMENT OF KERALA

Date : 08/07/2022
Time : 16:08:37 PM
Validity upto : 07/01/2023



Certificate SL. No. : KL02100010007334
Registration No. : KL21F9192
Date of Registration : 22/Dec/2012
Month & Year of Manufacturing : June-2012
Valid Mobile Number : *****4545
Emission Norms : BHARAT STAGE III
 : DIESEL
PUC Code : KL0210001
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.88

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm



Copy of PUC Certificate