

# **COMPLIANCE REPORT**

**OCTOBER 2023 – MARCH 2024**

**M/S TRAVANCORE BLUE  
METAL INDUSTRIES (P) LTD**

**THIRUVANTHAPURAM DISTRICT  
KERALA**



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**Dt.22-06-2024**

**The Additional Principal Chief Conservator of Forests (C)**  
Ministry of Environment, Forests & Climate Change,  
4<sup>th</sup> 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 – Second 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 Second half (October 2023 to March 2024) 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**



**Customer care number - 8592 800 300 / 8592 900 300**



**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 Second half to the specific conditions and general conditions of the Environmental Clearance order for the period of **October 2023 – March 2024** is being submitted.

# **COMPLIANCE REPORT**

## **(SPECIFIC CONDITIONS)**

### **PART A**

**PART - A – SPECIFIC CONDITIONS**

<b>01</b>	<b>Steep cliff like feature may be demarcated and fenced as danger zones with sign boards.</b>	<b>complied</b>
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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 danger zone. The photograph of the danger board is attached as **Plate No. 5**. This is being maintained in the project area. Most of the steep cliff like features were reduced by the project proponent.

<b>02</b>	<b>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.</b>	<b>Complied</b>
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**Compliance:**

To execute proper storm water management, 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.

<b>03</b>	<b>The rain water structure should be provided.</b>	<b>Complied</b>
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**Compliance:**

To conserve the water, 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**

<b>01</b>	Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.	<b>Complied</b>
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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**.

<b>02</b>	Environment Monitoring Cell (EMC) as agreed under the affidavit filed by the proponent should be formed and made functional.	<b>Complied</b>
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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)**

<b>Sl. No.</b>	<b>Post</b>	<b>Name</b>
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.	<b>Complied</b>
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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.	<b>Complied</b>
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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.	<b>Complied</b>
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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**

<b>06</b>	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	<b>Being complied</b>
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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. The bill of plants purchased is provided ad Annexure.

<b>07</b>	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.	<b>Noted for compliance</b>
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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.

<b>08</b>	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	<b>Complied</b>
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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. 6,15,776 in the period of October 2023 to March 2024. 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.	<b>Complied</b>
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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.	<b>Complied</b>
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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.	<b>Complied</b>
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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.	<b>complied</b>
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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.	<b>Complied</b>
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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.	<b>Complied</b>
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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.

<b>15</b>	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	<b>Complied</b>
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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**.

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

<b>17</b>	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.	<b>complied</b>
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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.

<b>22</b>	The workers on the site should be provided with the required protective equipments such as ear muffs, helmet, etc.	<b>complied</b>
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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**

<b>23</b>	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	<b>Complied</b>
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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**

<b>24</b>	The transportation of minerals should be done in covered trucks to contain dust emissions.	<b>Complied</b>
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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.

<b>25</b>	The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project.	<b>Complied</b>
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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**.

<b>26</b>	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	<b>Complied</b>
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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.

<b>27</b>	Explosives should be stored in magazines in isolated place specified and approved by the explosives department.	<b>complied</b>
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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

<b>28</b>	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.	<b>complied</b>
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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.

<b>29</b>	100 m buffer distance should be maintained from forest boundaries.	<b>Noted</b>
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**Compliance:**

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

<b>30</b>	Consent from Kerala Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.	<b>Complied</b>
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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**.

<b>31</b>	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.	<b>Complied</b>
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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**

<b>Name of the Statutory approval</b>	<b>Name of the Statutory authority</b>
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



<b>32</b>	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.	<b>No change in scope</b>
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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.

<b>33</b>	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.	<b>Noted</b>
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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.

<b>34</b>	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.	<b>Complied</b>
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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
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006

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 <a href="http://www.seiaakerala.org">www.seiaakerala.org</a> . 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.	<b>Complied</b>
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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 concerned Grama/District Panchayath / Municipality / Corporation / Urban Local Body and also to the Local NGO, if any from whom	<b>Complied</b>
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	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**.

<b>37</b>	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.	<b>complied</b>
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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**.

<b>38</b>	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.	<b>complied</b>
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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.

<b>39</b>	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.	<b>Complied</b>
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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**.

<b>40</b>	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.	<b>No change in scope</b>
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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.

<b>41</b>	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.	<b>Complied</b>
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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.	<b>Complied</b>
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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 stacked 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 dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	<b>Complied</b>
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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.

<b>44</b>	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.	<b>Complied</b>
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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.

<b>45</b>	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 <sub>10</sub> and PM <sub>2.5</sub> , 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.	<b>complied</b>
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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.

<b>46</b>	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.	<b>Complied</b>
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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
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**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.

<b>50</b>	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.	<b>Noted</b>
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**Compliance:**

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

<b>51</b>	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.	<b>Noted</b>
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There was no appeal within 30 days after issuing the EC order to the project.

<b>52</b>	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.	<b>Noted</b>
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The project proponent did not conceal any factual data during the time of appraisal for obtaining Environmental Clearance.

<b>53</b>	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.	<b>Noted</b>
-----------	--	--------------

**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.

<b>54</b>	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.	<b>complied</b>
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**Compliance:**

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

<b>55</b>	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.	<b>Noted</b>
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The PP has got one year covid extension to the validity of EC order.

<b>56</b>	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.	<b>Noted</b>
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There is no pending litigation in connection with the land in any court of Law.

<b>57</b>	The mining operation shall be restricted to above ground water table and is should not intersect ground water table.	<b>complied</b>
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**Compliance:**

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

<b>58</b>	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.	<b>Complied</b>
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**Compliance:**

As part of reduce air pollution, the project proponent has monitored 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.**

<b>59</b>	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.	<b>Noted</b>
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**Compliance:**

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

<b>60</b>	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.	<b>Noted</b>
-----------	---	--------------

**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.

<b>61</b>	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.	<b>Complied</b>
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**Compliance:**

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

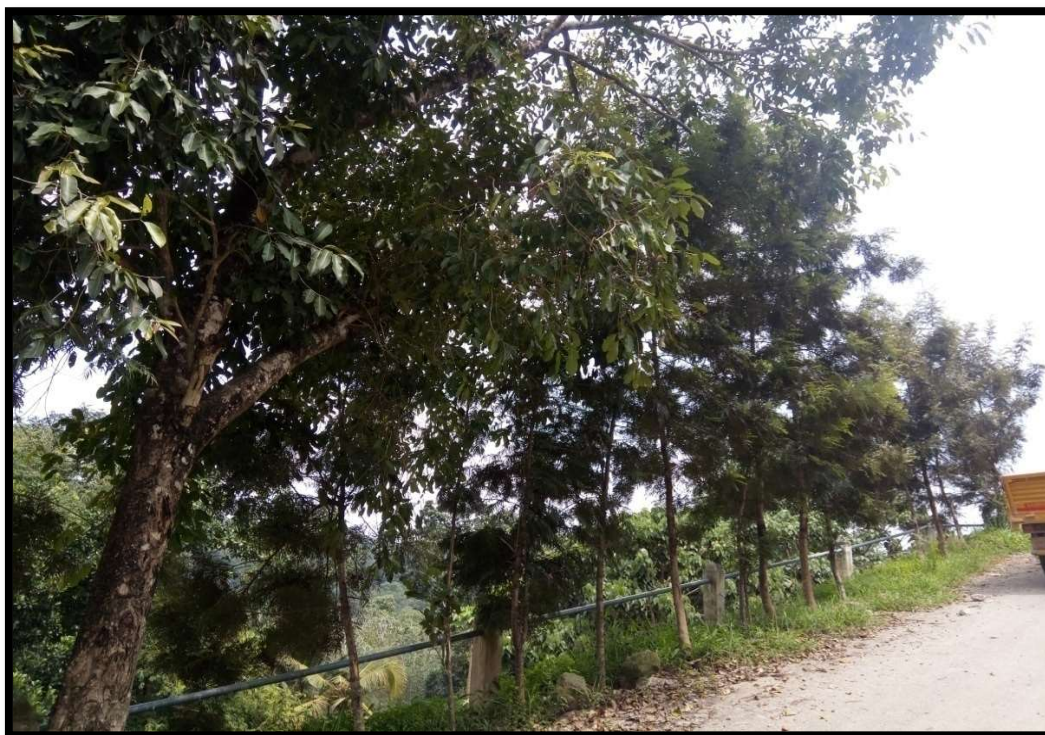
# PLATES

**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**

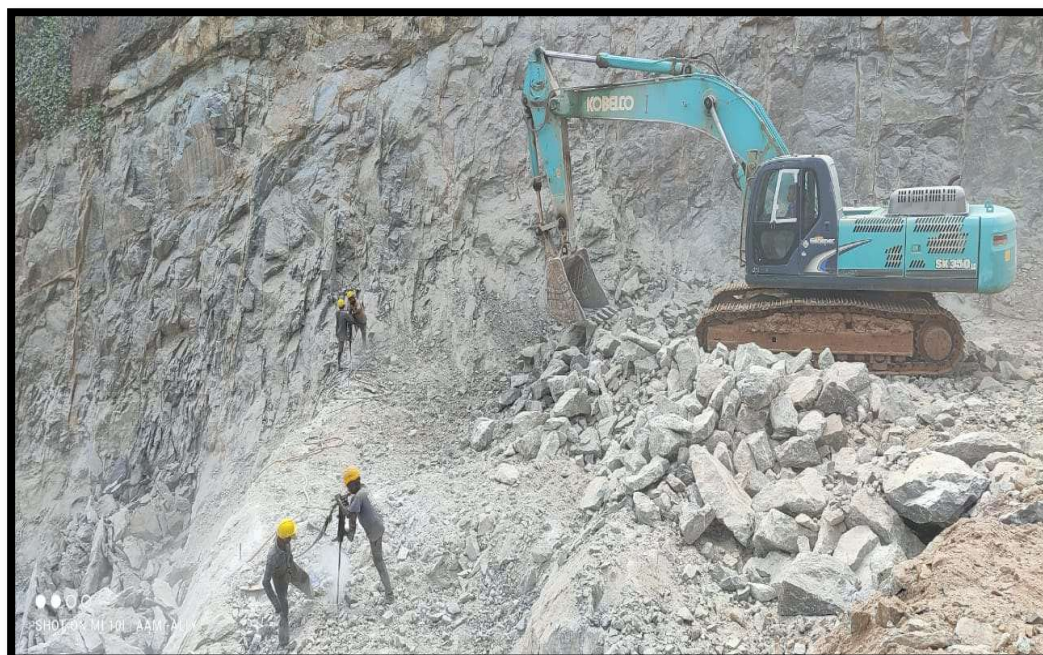


**Plate No.11**



**Solar Street light**

**Plate No.12**



**Workers with personal protective equipments**

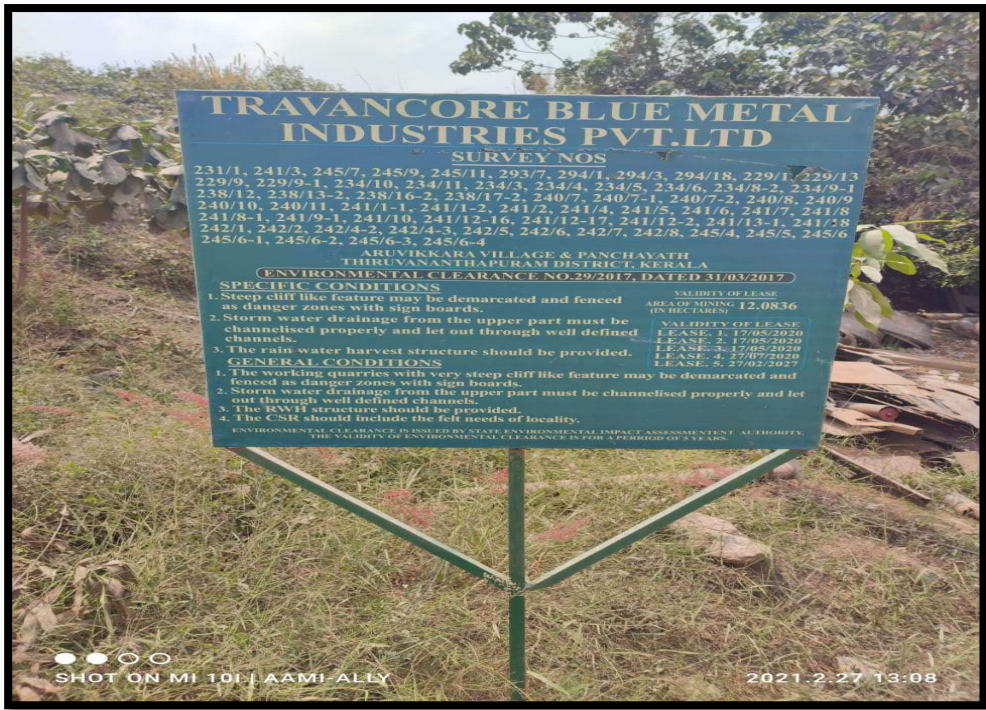


Plate No.13



Magazine

Plate No.13



EC Board

# ANNEXURE

## Annexure No.1

**ACHUS GARDEN**  
ALL KINDS OF PLANTS & POTS  
Kizhuppillikara, P.O., Thrissur  
9048645737, 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	Nambayavuttam	75	100	7,500
4	Venigatad Jemam	425	10	4,250
5	Venigatad 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.	210 നെ, ന്നി ന്	2	50	100
2.	കരിമരം	4	50	200
3	ഓതി	10	40	400
4.	കുളുക്ക	3	50	150
5	ശിമപ്പാൻ	21	150	3150
6.	മിമ്പ	10	80	800
7.	നക്ഷത്രപ്പാല	6	100	600
8	കുളുക്ക	4	50	200
9.	കുളുക്ക	32	25	800
10.	പ്രാക്രിതി ഗാർഡൻ & ന്യൂസറി	100	200	200
Total				6600

Rs. Six thousand and Six hundred

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

**പ്രാക്രിതി ഗാർഡൻ & ന്യൂസറി**  
(അടുത്തുള്ള ഗ്രാമപഞ്ചായത്ത് കമ്മ്യൂണിറ്റി സെന്റർ)  
TID No: G 08 ARU 14028 JPNAG/AVS/14/00  
കുളുക്ക, കടവുളം ഓടി, തിരുവനന്തപുരം - 695564  
ഫോൺ: 9409039956 9048645737, 9961144389

SL No **221** **CASH BILL** Date: 18/12/21  
To: Travancore Blue Metal

No	Particulars	Rate	Qty	Amount
1	കുളുക്ക	6	60	360
Total:				360

Manager

**സമുദായ**  
സമുദായ  
കാർഡ് നമ്പർ: 996540862  
കാർഡ് നമ്പർ: 996540862

No. **194** **Cash Bill** Date: 27/12/21  
To: Travancore Blue Metal PVT LTD, Kothamangalam

Sl No	Particulars	Rate	Qty	Amount
1	Red (Red Agor)	10	17	170
Total:				170

## Bill of plants purchased



## Annexure No.2

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

मु०खाना० 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, १९६१ 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  
CHARDA  
of Village....., Thana..... (Name)  
District....., State.....  
born on..... (SIXTY SEVEN), Son of.....  
RACHUMANI THANAPATI  
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience and having passed an  
oral examination held at..... BHUBANESWAR, on..... 16/12/98  
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..... १९९८  
Date..... 02/01/1998

अध्यक्ष  
खनन परीक्षा बोर्ड  
Chairman,  
Board of Mining Examinations.

10

प्रमाणित किया जाता है कि श्री..... की परीक्षा की गई और उसे ब.....  
पूरा शारीरिक या मानसिक अक्षमता से रहित पाया गया, जिसका उसके दक्षतापूर्वक 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. On..... ता०को  
2. On 12-03-2012 ता०को  
3. On..... ता०को  
4. On..... ता०को  
5. On..... ता०को  
6. On..... ता०को



खान सुरक्षा निदेशक  
भुवनेश्वर क्षेत्र  
Director of Mines Safety  
Bhubaneswar Region

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

## Certificate of Mining mate



**Cert No. MR/37/0145**

सत्यमेव जयते

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)

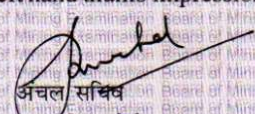
(Under the Metalliferous Mines Regulations, 1961)

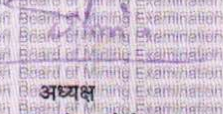
श्री **जिनकी जन्म तिथि** **सुपुत्र** है, को अपनी आयु, स्वस्थता, सदाचार, साक्षरता और धात्विकीय खानों में काम करने के विहित अनुभव का सन्तोषजनक प्रमाण प्रस्तुत करने एवं दिनांक को विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल ओपेनकास्ट खानों तक सीमित मेट सक्षमता प्रमाण-पत्र प्रदान किया जाता है।

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, HOSFET** 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  
खनन परीक्षा बोर्ड  
Zonal Secretary  
Board of Mining Examinations

  
अध्यक्ष  
खनन परीक्षा बोर्ड  
Chairman  
Board of Mining Examinations

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

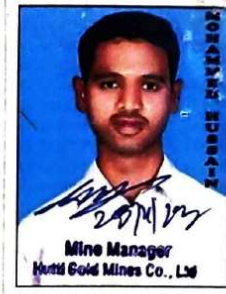
Certificate of Mining mate



Cert No. FUE /1550



सत्यमेव जयते



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)

श्री मोहम्मद हुसैन

सुपुत्र महबूब 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 Mahabub 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  
Examinationsसध्यक्ष  
खनन परीक्षा बोर्डChairman  
Board of Mining  
ExaminationsSigned 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., Cheriyaikonni, Cheriyaikonni P.O, Aruvikkara, Nedumangad, Thiruvananthapuram

is hereby renewed up to 27/02/2027 and issued to M/s Travancore Blue Metal Industries Private Ltd., Cheriyaikonni, Cheriyaikonni 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**



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 [krocmms.nic.in](http://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.

Page2

Copy of Consent form PCB

## 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.**

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**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 22<sup>nd</sup> SEAC held on 7-12-2013
3. Minutes of the meeting of 26<sup>th</sup> SEAC held on 20/21-03/2014
4. Minutes of the meeting of 30<sup>th</sup> SEAC held on 6/7-6/2014.
5. Minutes of the meeting of 33<sup>rd</sup> SEIAA held on 24/9/2014
6. Minutes of the meeting of 35<sup>th</sup> SEAC held on 17/18-10/2014
7. Minutes of the meeting of 46<sup>th</sup> SEAC held on 29/30-08/2015
8. Minutes of the meeting of 49<sup>th</sup> SEAC held on 7/8-12/2015
9. Minutes of the meeting of 52<sup>nd</sup> SEAC held on 8/9-02/2016
10. Minutes of the meeting of 51<sup>st</sup> SEIAA held on 29/3/2016
11. Minutes of the meeting of 56<sup>th</sup> SEAC held on 6/7-06/2016
12. Minutes of the meeting of 60<sup>th</sup> SEAC held on 28/29-07/2016
13. Minutes of the meeting of 62<sup>nd</sup> SEAC held on 06/07-9/2016
14. Minutes of the meeting of 63<sup>rd</sup> SEAC held on 4/10/2016
15. Minutes of the meeting of 64<sup>th</sup> SEAC held on 16/17-11/2016
16. Minutes of the meeting of 62<sup>nd</sup> 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  
**6 FEB 2018**

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

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 - 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 :**

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


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

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 | फैक्स (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, CheriyaKonni Post,  
Thiruvannanthapuram District-695013, Kerala, Town/Village - CheriyaKonni  
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 त्रैमासीक विवरणी हर तिमाही के अंत में आरई-7 में प्रस्तुत की जाए। 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

Deputy Chief Controller of Explosives

प्रतिलोपे प्रेषित | Copy Forwarded to:

1. जिला 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>)



**अनुज्ञापित 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 अनुज्ञापित

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

अनुज्ञापित 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. (अधिभागी / 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 अनुज्ञापित अनुदत्त की जाती है।

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

3. अनुज्ञापित 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. अनुज्ञापित 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 अनुज्ञापित के लिए]

(b) Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : **26 times as above.**

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञापित 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. अनुज्ञापित 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**  
दूरभाष (Phone) **09447178279**पुलिस थाना (Police Station) : **Nedumangad**  
राज्य (State) **Kerala** पिनकोड (Pincode) **695013**  
ई. मेल (E-Mail) फेक्स (Fax)7. अनुज्ञापित 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. अनुज्ञापित 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.
- अनुज्ञापित प्राधिकारी द्वारा हस्ता. क्षरित इस अनुज्ञापित 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 विधिमाम्य 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 दांडिक 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 <span style="float: right;">തീയതി : 01/04/2023</span>	
അരുവിക്കര ഗ്രാമപഞ്ചായത്തിൽ നിന്നും 1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്റ്റ് ( 1994 ലെ 13 ) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും തൽ സംബന്ധമായ ചട്ടങ്ങളും ബൈലോയും അനുസരിച്ച് <b>വ്യവസായങ്ങൾ/ഫാക്ടറികൾ/വ്യാപാരം/സംരംഭകത്വം/മറ്റുസേവനങ്ങൾ</b> <b>എന്നിവയ്ക്ക് നൽകുന്ന ലൈസൻസ്</b>	
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 ക്വാറി 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 നിരക്കേര്പ്പ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ	1) മുൻ ലൈസൻസ് പകർപ്പ് 2) പി.സി.ബി സർട്ടിഫിക്കറ്റ് പകർപ്പ് 3) മൈനിംഗ് & ജിയോളജി ക്വാറിയിംഗ് ലീസ് 4) എക്സ്പ്ലോസീവ് ലൈസൻസ് 5) ഹയർ.എൻ.ഒ.സി
ഓഫീസ് മുദ്ര	അരുവിക്കര ഗ്രാമപഞ്ചായത്ത് SHIBU PRASAD, K.S Secretary Aruvikkara Grama 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

Rs. 100

ONE HUNDRED RUPEES

INDIA NON JUDICIAL

23rd November 2010

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, Cheriyaakonni 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. THAMMANCIERIAN  
GEOLOGIST  
DISTRICT OFFICE

LESSEE  
Sakkir Hussain  
Contd. 2  
24 SEP 2010

Copy of lease



No. 3895/1/2010

25th November 2010

264H 639849

Form - 'H'  
(See Rule 32)

**Quarrying Lease**

This indenture made this the 01<sup>st</sup> October 2010 day

of 01<sup>st</sup> 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, Cheriya Konni P.O, Kadampnanad, 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 0.4040 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

*[Signature]*

**LESSOR**

C. THOMAS COVARIAN

DISTRICT OFFICE

DEPT. OF MINING & GEOLOGY

THIRUVANANTHAPURAM-4

GEOLOGIST

DISTRICT OFFICE

DEPT. OF MINING & GEOLOGY

THIRUVANANTHAPURAM-4

*[Signature]*

**LESSEE**

Contd. 2

24 SEP 2010

Copy of lease

भारतीय गैर न्यायिक

एक सौ रुपये **Rs. 100**

रु. 100 HUNDRED RUPEES

INDIA NON JUDICIAL

കേരളം KERALA H 639856

Form - 'H'  
(See Rule 32)

Quarrying Lease

This indenture made this the 04<sup>th</sup> October 2010 day

of 04<sup>th</sup> 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, Cheriya Konni P.O, Kadampnad, 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 0.3880 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

TRAVANCORE BLUE METALS (P) LTD

Managing Director

Contd. 2

LESSOR  
C. THAMBULCHERIAN  
GEOLOGIST  
DISTRICT OFFICE  
DEPT. OF MINING & GEOLOGY  
THIRUVANANTHAPURAM-4  
DISTRICT OFFICE  
DEPT. OF MINING & GEOLOGY  
THIRUVANANTHAPURAM-4

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 28<sup>th</sup> 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, Cheriya Konni 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  
Geologist

DEPARTMENT OF MINING & GEOLOGY  
DISTRICT OFFICE  
THIRUVANANTHAPURAM

Sakkir  
M.A. Sakkir Hussain

CONTROLLER

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**


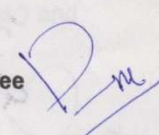
The original document registered along with  
The duplicate it bears the stamp duly 500 502/-  
of Rs. 500 much as is FIVE HUNDRED  
पाँच सौ रुपये **RUPEES** **Rs. 500**  
सत्यमेव जयते  
**INDIA NON JUDICIAL**

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 

Q. No. 45877 Value Rs. 500  
Issued to 28/2/18 M/s Travancore Blue Metal Industries PVT Ltd

**DEPARTMENT OF REVENUE  
DISTRICT OFFICE  
THIRUVANANTHAPURAM**

**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

Copy of lease



## Annexure No.8

[illegible][illegible]



## Annexure No.9


<b>Aruvikkara Grama Panchayat</b> A9363559	
<b>Aruvikkara, Phone:04722888225</b>	
<b>ACKNOWLEDGEMENT</b> (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

Cheques are subject to realisation

Acknowledgment from Gram Panchayat

## Annexure No.10



**AFFIDAVIT**

कोरोडो केरल KERALA BN 733203

I, V. Suresh Kumar, authorized signatory of M/s Travancore Blue Metal Industries Private Limited having its correspondence office at Kadambanad, Cheriyaakonni 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.

**Verification :**

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

Place: Thiruvananthapuram  
Date: 15/05/2017

15/5/17 P.V. Suresh Kumar  
Director Travancore

**NOTARY**  
SUREENDAR V.P. B.A. LL.B.  
ADVOCATE & NOTARY  
Roll No. KM/11/1999  
VANCOVIL

**DEPONENT**

**DEPONENT**

Copy of Affidavit



## Annexure No.11

## Standards

## TEST REPORT

Test Report No: 231209/R008		Date: 13-12-2023		Page 1 of 2	
<b>CUSTOMER DETAILS</b>					
Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District				
Customer Reference	Test Request date: 08-12-2023				
<b>SAMPLE DETAILS</b>					
Product Category	Atmospheric Pollution	Sample Code	231209/S008		
Sample Name	Ambient Air	Sample Received on	09-12-2023		
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	10-12-2023		
Sampled by	Lab Authorized Sampler	Test Completed on	12-12-2023		
<b>DETAILS OF SAMPLING</b>					
Sampling Location	Near East Side Boundary	Date of Sampling	08-12-2023		
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	67 %		
<b>SAMPLING SITE DETAILS</b>					
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		
<b>TEST RESULTS-CHEMICAL DISCIPLINE</b>					
SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
1	Particulate matter ,PM <sub>10</sub>	IS 5182 (Part 23): 2006	µg/m <sup>3</sup>	47.2	100 (Max)
2	Particulate matter ,PM <sub>2.5</sub>	IS 5182 (Part 24): 2019	µg/m <sup>3</sup>	25.1	60.0 (Max)



**Nesny A.K.**  
Chemist  
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.

## Standards Environmental &amp; Analytical Laboratories

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

'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist. - 683 110

Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

Standards


TEST REPORT

Test Report No: 231209/R008		Date: 13-12-2023		Page 2 of 2	
TEST RESULTS-CHEMICAL DISCIPLINE					
SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
3	Sulphur dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001	µg/m <sup>3</sup>	<4.00	80.0 (Max)
4	Oxides of Nitrogen as NO <sub>2</sub>	IS 5182 (Part 6): 2006	µg/m <sup>3</sup>	<4.00	80.0 (Max)

Remarks:

\*\*\*End of Report\*\*\*

Standards

  
**Nesny A.K.**  
Chemist  
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.

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Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

Result of Air

## Annexure No.12

## Standards

**TEST REPORT**


Test Report No: 231209/R009	Date: 13-12-2023	Page 1 of 2
-----------------------------	------------------	-------------

CUSTOMER DETAILS	
Customer Name & Address	<b>M/s Travancore Bluemetal Industries Pvt Ltd</b> Aruvikkara, Nedumangad, Thiruvananthapuram District.
Customer Reference	Test Request date: 08-12-2023


DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	231209/S009
Sample Name	Ambient Noise	Monitoring Commenced on	08-12-2023
Test Method	IS 9989:1981	Monitoring Completed on	09-12-2023
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	38.9	14:00	52.1	22:00	37.7
07:00	41.7	15:00	52.5	23:00	37.3
08:00	46.1	16:00	53.7	24:00	40.0
09:00	49.7	17:00	54.1	01:00	40.8
10:00	52.1	18:00	48.5	02:00	40.4
11:00	55.3	19:00	44.9	03:00	41.2
12:00	52.5	20:00	40.9	04:00	40.0
13:00	51.7	21:00	40.4	05:00	42.0

  
**Nesny A.K.**  
Chemist  
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.

**Standards Environmental & Analytical Laboratories**

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

'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist. - 683 110  
Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

# Standards

## TEST REPORT

Test Report No: 231209/R009	Date: 13-12-2023	Page 2 of 2
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Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	50.6
2	Ambient Sound Level (Leq) Night Time	dB(A)	40.4

Remarks:

\*\*\*End of Report\*\*\*

# Standards

**Nesny A.K.**  
Chemist  
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.

### Standards Environmental & Analytical Laboratories

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Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: seaalab@gmail.com

### Result of Noise



## Annexure No.13

## Standards

## TEST REPORT

Test Report No: 231209/R010	Date: 13-12-2023	Page 1 of 2
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## CUSTOMER DETAILS

Customer Name & Address	<b>M/s Travancore Bluemetal Industries Pvt Ltd</b> Aruvikkara, Nedumangad, Thiruvananthapuram District
Customer Reference	Test Request Date: 08-12-2023

## SAMPLE DETAILS

Product Category	Water	Sample Code	231209/S010
Sample Name	Ground Water	Sample Received on	09-12-2023
Sample Description by Customer	Open Well Water	Temperature @ Receipt	28°C
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	10-12-2023
Sample Quantity & Packing	1 L & 125 ml in a Plastic Bottle	Test Completed on	12-12-2023
Information Provided by Customer	---	Sampled by	Not Drawn by Laboratory

## SAMPLING SITE DETAILS

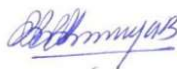
Survey No.	229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 240/10, 240/11, 241/1-1, 241/1-2, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 241/10, 241/12-16, 241/12-17, 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 DISCIPLINE

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	0.10	1.0 (Max)
4	pH	IS 3025 (Part 11): 1983	---	7.12	6.50-8.50
5	Conductivity	IS 3025 (Part 14): 1984	µS/cm	111	---



**Nesny A.K.**  
Chemist  
Checked by

**Remya B.**  
TM-Biological  
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.

## Standards Environmental &amp; Analytical Laboratories

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

'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist.-683 110  
Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: sealab@gmail.com

# Standards

## TEST REPORT

Test Report No: 231209/R010	Date: 13-12-2023	Page 2 of 2
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### TEST RESULTS- CHEMICAL DISCIPLINE

Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
6	Total Dissolved Solids	IS 3025 (Part 16): 1984	mg/L	72.0	500 (Max)
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21): 2009	mg/L	32.0	200 (Max)
8	Calcium as Ca	IS 3025 (Part 40): 1991	mg/L	8.00	75 (Max)
9	Magnesium as Mg	IS 3025 (Part 46): 1994	mg/L	2.92	30 (Max)
10	Chloride as Cl	IS 3025 (Part 32): 1988	mg/L	16.1	250 (Max)
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23): 1986	mg/L	19.9	200 (Max)
12	Iron as Fe	IS 3025 (Part 53): 2003	mg/L	0.19	1 (Max)
13	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24): 1986	mg/L	1.85	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

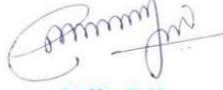
Remarks:

\*\*\*End of Report\*\*\*

  
**Nesny A.K.**  
 Chemist  
 Checked by



  
**Remya B.**  
**TM-Biological**  
 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.

### Standards Environmental & Analytical Laboratories

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'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist. - 683 110

Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.sealabs.in, E-mail: sealab@gmail.com

## Result of Water

## Annexure No.14

Invoice No. 3  
Ref. No.

(ORIGINAL FOR RECIPIENT)

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	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
	SGST@14%			14 %		1,323.42
	CGST@14%			14 %		1,323.42
	SGST@2.5%			2.50 %		814.28
	CGST@2.5%			2.50 %		814.28
	SGST@6%			6 %		91.07
	CGST@6%			6 %		91.07
	Round Off					0.60
	<b>Total</b>		<b>7 nos</b>			<b>₹ 48,000.00</b>

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

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax 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
<b>Total</b>	<b>43,541.86</b>		<b>2,228.77</b>		<b>2,228.77</b>	<b>4,457.54</b>

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



Invoice No. 4  
Ref. No.

(ORIGINAL FOR RECIPIENT)

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	3,789.00	nos	3,789.00
2	75wp Solarphotovoltaic Module Waaree Batch: 050718	8541	1 nos	4,285.71	nos	4,285.71
3	24watt Solar Dome Batch: 050718	8400	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
	<b>Total</b>		<b>3 nos</b>			<b>₹ 15,150.00</b>

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

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax 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
<b>Total</b>	<b>13,598.52</b>		<b>775.70</b>		<b>775.70</b>	<b>1,551.40</b>

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  
Authorized 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	VEG SEED FOR RS 10	10.00	1.00	0	10.00
3	SPRINKLER TE-3P ISI	140.00	5.00	0	200.00
TOTAL ITEM(S)		7	826.00		
Add KFC		6.25	826.00		
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	27.000	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	Ref		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

## TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

CHERIYAKONNI.P.O, TVM-695 013, KERALA TRIVANDRUM 695013

Serial No: 682

BANK PAYMENT

Date: 02/11/2023

Account Head	Sub Account Head	Type	Debit	Credit
CSR EXPENSES			10,000.00	0.00
INDIAN BANK ARUVIKKARA BRANCH TRAVANCORE BLUE METAL			0.00	10,000.00
Total			10,000.00	10,000.00

Amount in Words : Rupees Ten Thousand Only

Remarks : CHEQUE PAID TO SHUKKUR S CANCER PATIANT

Cheque No : 859928

Cheque Date : 02/11/2023

Authorized Signature

Receiver's Signature

## TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

CHERIYAKONNI.P.O, TVM-695 013, KERALA TRIVANDRUM 695013

Serial No: 10991

CASH PAYMENT

Date: 23/10/2023

Account Head	Sub Account Head	Type	Debit	Credit
CSR EXPENSES			2,000.00	0.00
Total			2,000.00	0.00

Amount in Words : Rupees Two Thousand Only

Remarks : CASH PAID TO MAHESH KUMAR FOR HIS TREATMENT THROUGH SANTHOSH CHERIYAKONNI REC BY BIJU SIR

Authorized Signature

Receiver's Signature

## TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

CHERIYAKONNI.P.O, TVM-695 013, KERALA TRIVANDRUM 695013

Serial No: 1008		BANK PAYMENT		Date: 25/01/2024	
Account Head	Sub Account Head	Type	Debit	Credit	
CSR EXPENSES			15,000.00	0.00	
INDIAN BANK ARUVIKKARA BRANCH(TRAVANCORE BLUE METAL			0.00	15,000.00	
		Total	15,000.00	15,000.00	

Amount in Words : Rupees Fifteen Thousand Only

Remarks : CHEQUE PAID TO PRABHAKUMAR FOR HER SONS ACCIDENT CASE

Cheque No : 987427

Cheque Date : 25/01/2024

Authorized Signature

Receiver's Signature

## TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

CHERIYAKONNI.P.O, TVM-695 013, KERALA TRIVANDRUM 695013

Serial No: 16367		CASH PAYMENT		Date: 24/01/2024	
Account Head	Sub Account Head	Type	Debit	Credit	
CSR EXPENSES			5,000.00	0.00	
		Total	5,000.00	0.00	

Amount in Words : Rupees Five Thousand Only

Remarks : CASH PAID TO SHAFI (SUP) FOR HIS WIFE "S FUNERAL REC BY SAIFUKKA

Authorized Signature

Receiver's Signature

2/

Indian Bank

Branch : ARUVIKKARA  
Shopping Centre Aruvikkara Thiruvananthapuram  
Kerala 695564  
IFSC Code : IDIB000A070

VALID FOR THREE MONTHS ONLY  
दिनांक  
Date 27/01/2024  
D D M M Y Y Y Y

PAY MOOZHINADA SIVA THAMPURAN TEMPLE OR BEARER  
या धारक को

RUPEES रुपये  
TEN THOUSAND ONLY अदा करें ₹ 10,000/-

CA खा. सं. 6115067532  
A/c No.

CBS Code : 998

FOR TRAVANCORE BLUE METAL INDUSTRIES (P) LTD

992000003 PAYABLE AT PAR AT ALL OUR BRANCHES

AUTHORISED SIGNATORY  
Please sign above

967430 695019081 067532 29

For Anacharya mandham  
Construction - work  
Recd By Bisu (sin)

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  
PUC Code : DIESEL  
GSTIN : KL0210001  
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