

COMPLIANCE REPORT

October 2021 - March 2022

M/s Travancore Blue Metal
Industries (P) Ltd

THIRUVANTHAPURAM DISTRICT
KERALA



Kadambanad, CheriyaKonni.P.O.
Thiruvananthapuram-695 013
Phone: 0472 2888 080, 2888 050, 2888 030
E-mail: travancorebluemetal@gmail.com

Dt.20-07-2022


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

Ref :- File No. 152/SEIAA/KL/3072/2013

Sub :- Environment Clearance – Quarry project at Village & Panchayat -
Aruvikara, Taluk - Nedumangad, District - Thiruvananthapuram, Kerala-
Compliance Report – 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 2021 to March 2022) 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 2021 - March 2022** is being submitted.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

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

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

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

As part of 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.

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

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

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

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

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

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

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

Table 1 - Environmental Monitoring Cell (EMC)

Sl. No.	Post	Name
1.	Head of monitoring cell (proprietor)	Biju varghese
2.	Member	Saifudheen P Y
3.	Member	Vijayakumar K
4.	Name of accredited environmental consultant	Environmental Engineers and consultants Pvt. Ltd.

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

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

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

The project proponent has installed five solar street lights in the project site to use maximum renewable energy to reduce electrical consumption from KSEB. The project proponent has installed 2 solar street lights; and can feed 1 CFL and fan at security cabin to use maximum renewable energy. The purchasing bill of solar is given in **Annexure No. 15**. Photograph of Solar street light is attached as **Plate No. 11**.

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

To prevent dust emission, sprinklers are installed in the project site. This help to suppress dust during the time summer season. Purchase bill of sprinkler is attached as **Annexure No. 14**.

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

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

07	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.	Will be complied
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Compliance:

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

08	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	Complied
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Compliance:

The project proponent has carried out various activities under Corporate Social Responsibility (CSR). The main activities carried out in the vicinity of the project site is road construction, support in construction of houses and medical help. The project proponent has spent an amount of Rs. 39,78,442 in the period of October 2021 to March 2022. The project proponent has supported 4 families to construct houses. The project proponent has spent amount Rs. 16,79,500 for the construction of Kadamaband to Kovil kadavu road

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

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

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

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

11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Complied
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Compliance:

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

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.

- Personal protective devices i.e., earmuffs, ear plugs etc. are provided to workers working in high noise areas.
- The mining activity held in day time only.

Blast vibrations and control measures

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.
- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.
- ❖ The project proponent has appointed qualified persons to monitor the mining operations

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

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

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

The blasting is done in controlled manner by using NONEL Technology. All blasting activities are carrying out with the specified regulations of explosive department. All blasting are under careful supervision of qualified persons.

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

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

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

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

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

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

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

To enhance safety and conserve environment, the project proponent is extracting the minerals by creating benches. The benches will 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.	Noted
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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 mate 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 exploitation of building stone. Therefore mining depth does not exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less.

20	No mining operations should be carried out at places having a slope greater than 45°.	Noted
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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 new. Vegetation around the mining area

helps to reduce noise and air pollution. This helps the noise level kept within prescribed standards.

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

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

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

The project proponent ensured that all storm water from the mining area is flowing in to the pond created at mining area. 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 photograph of drain is provided in **Plate No.8**. The project proponent is intending to increase the efficiency of garland drain in the site. Photograph of de-siltation trap is provided in **Plate No.9**

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

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

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

As part of concurrent eco restoration, the project proponent has planted various saplings in the project area as a compensation of loss of trees while clearing the land for mining. The bill against the purchase of plants is provided at **Annexure No.1**.

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

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

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

Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine is fenced with barbed metal wire. Same is attached as Plate No. 13

28	A minimum buffer distance of 100m meter from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	complied
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Compliance:

To reduce the adverse impact on community life, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project. The project has left 115 meter distance to the nearest house from the boundary of mining area, the KSPCB condition is 50 meter.

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

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

30	Consent from Kerala Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.	Complied
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Compliance:

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

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

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

TABLE NO.2- DETAILS OF APPROVALS OBTAINED

Name of the Statutory approval	Name of the Statutory authority	Approval Number & Date
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala	152/SEIAA/KL/3072/2013 Dt. 31-03-2017
“ <i>Consent to Operate</i> ” (Renewal)	Kerala State Pollution Control Board	PCB/TVM-DO/ICO/NDD-243/2017 Dt. 16/11/2017
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	E/SC/KL/22/1215(E58077) Dt. 16-03-2016
License for quarry operations	Gram Panchayath	A3-2068/10/2020-21 Dt. 28-04-2020
Permit order	Directorate of Mining and Geology	

32	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	Will be complied
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Compliance:

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

33	The Authority reserves the right to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
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Compliance:

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

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

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

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Central Ground Water Authority
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009
- The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.

35	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.	Complied
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Compliance:

An advertisement in two local newspapers regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.8**.

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

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

37	The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.	complied
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Compliance:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The noise level from all these activities will 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.

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

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

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

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

52	Concealing the factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
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The project proponent did not conceal any factual data during the time of appraisal for obtaining Environmental Clearance.

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

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

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

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

55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Govt. of Kerala, whichever is earlier.	Noted
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56	The environmental clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	Noted
----	---	--------------

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

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

Compliance:

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

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

As part of reduce air pollution, the project proponent has monitoring the pollution level of all vehicles playing in the project site. This monitoring has conducted only in authorized pollution checking center. Copy PUC certificate is attached as **Annexure No. 16.**

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

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

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

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



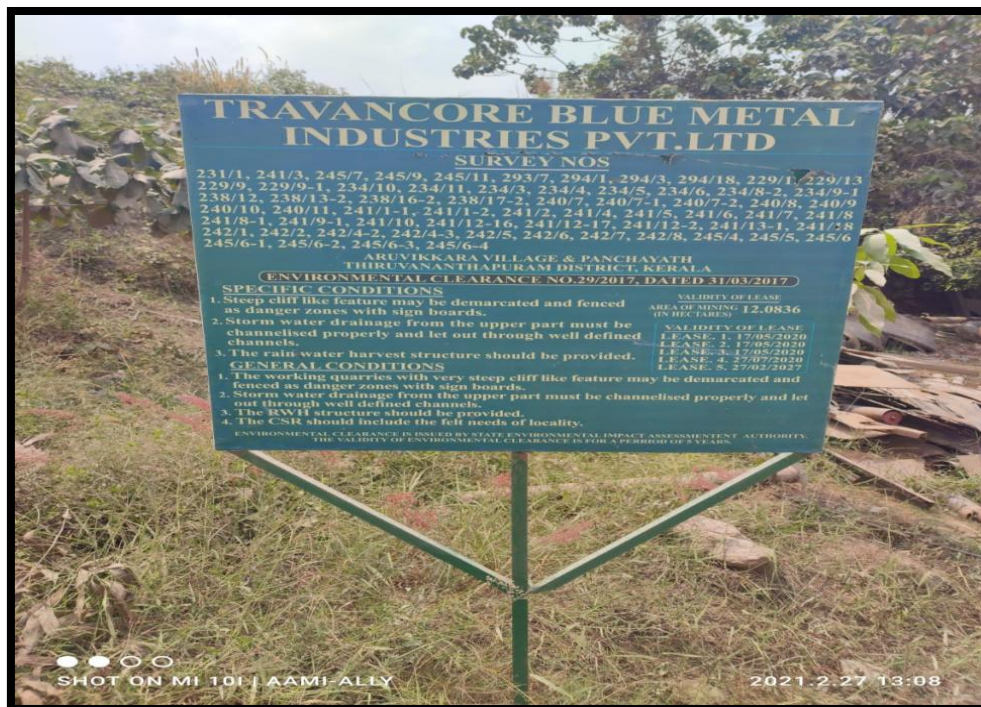
Workers with personal protective equipments

Plate No.13



Magazine

Plate No.13



EC Board

ANNEXURE

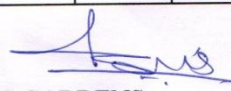
Annexure No.1

ACHUS GARDEN
KIZHUPPILLIKKARA THRISSUR
MOBILE:9048845737,9961144389

CASH BILL

No.: _____ Date: 16/02/2021
 To: Travancore Blue Metal Industries Pvt. Ltd.
KADAPPANADU CHELVAIKKAL - PO. TRM.

Sl. No.	Particulars	Qty	Rate	Amount		
				Rs.	Ps.	
1.	മിശ്രിതം (Mix)	100	180	18,000		
2.	മിശ്രിതം (Mix)	50	140	7,000		
3.	മിശ്രിതം	10	90	900		
4.	മിശ്രിതം	10	90	900		
5.	മിശ്രിതം	10	140	1400		
6.	മിശ്രിതം - (മിശ്രിതം)	20	270	5400		
Total						33,600/-


 For ACHUS GARDENS

Bill of plants purchased

Annexure No.2

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

मं०खानि० 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

(धात्विक खान विनियम, १९६१ के अधीन)
(Under Metalliferous Mines Regulations, 1961)

(केवल खुल कार्यस्थलों वाली धात्विक 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 धात्विक खान विनियम, 1961 के अधीन उन धात्विक खानों के लिए जिनमें केवल खुल कार्यस्थलों
तक कार्य सीमित होता है खनन मेट समर्थता प्रमाण-पत्र दिया जाता है।

SARATHI THANAPATI
CHARDA (Name)
of Village....., Thana..... BINKA
District..... SONEPUR, State..... ORISSA
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..... १९
Date..... 08/9/19 98


अध्यक्ष
खनन परीक्षा बोर्ड
Chairman,
Board of Mining Examinations.

श्री..... की परीक्षा की गई और उसे ब.....
प्राप्त शारीरिक या मानसिक अशक्तता 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..... खान सुरक्षा निदेशक
भुवनेश्वर क्षेत्र ता०को
6. On..... Director of Mines Safety
Bhubaneswar Region ता०को

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

Certificate of Mining mate



खान अधिनियम 1952
THE MINES ACT 1952

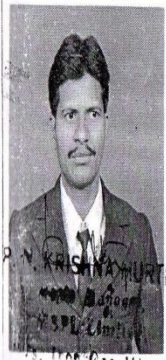
प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र धातुउत्पादक खान के प्रबंध हेतु
MANAGER'S FIRST CLASS CERTIFICATE OF COMPETENCY TO MANAGE A METALLIFEROUS MINE
(धातुउत्पादक खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations 1961)
(केवल विवृत खनित युक्त खानों तक ही सीमित)
(Restricted to mines having opencast workings only)

पी. मुरगैया

जिनको जन्म तिथि 01.06.1976 है, विनियम 18 के अन्तर्गत अनुमोदित खनन अभियांत्रिकी में डिप्लोमा प्राप्त करने पर एवं दिनांक सितम्बर, 2006 को आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा केवल विवृत खनित युक्त धातुउत्पादक खान के प्रबंध हेतु प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र 07.03.2007 से प्रभावी समझा जाएगा।

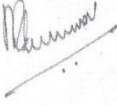
Punnaru Murugaiyah

born on 01st June, 1976 possessing a Diploma in Mining Engineering approved under Regulation 18 and having passed the prescribed examination held on September, 2006 is hereby granted MANAGER'S FIRST CLASS CERTIFICATE OF COMPETENCY to manage a metalliferous mine having opencast workings only. This Certificate is effective from 07.03.2007



सदस्य
खनन परीक्षा बोर्ड
Members of the Board of
Mining Examinations.

Signed and Sealed
Date: 11.09.2007.



Chairman
प्रधान
खनन परीक्षा बोर्ड
Chairman of the Board of
Mining Examinations

Certificate of Mines manager

GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
DIRECTORATE-GENERAL OF MINES SAFETY

NO. EXAM/FR/EXEMPT/ 2742/35 DHANBAD, DATED 27/6/2008

M E M O R A N D U M

Ref: His application dated 22.6.07 by virtue of Government Notification No. 712(E), dated 13/12/1974.


Shri : SHASWAT KUMAR LENKA S/o. SHWETA KUMAR LENKA
Of Village : Chandapat Thana: Tritol
District: Jagatshingapur State: Orissa
Born on: 18th April , 1984 (Nineteen Eighty Four)

possessing a Diploma in Mining & Mine Surveying approved under Regulation 18 of Metalliferous Mines Regulations, 1961 and on completion of prescribed experience has become eligible to work in a capacity requiring possession of Foreman's Certificate Restricted to Mines having opencast workings only under Metalliferous Mines Regulations, 1961 with effect from 07.10.2007 till the above Notification remains in force.

Secretary
Board of Mining Examination &
Director of Mines Safety(Exam)
Directorate-General of Mines Safety office
Dhanbad

On- 19.03.2013
Date 21.10.13
खान सुरक्षा निदेशक
बाईबासा क्षेत्र, बाईबासा (फारका),
अम एवं रोजगार विभाग
भारत

on 21.02.2018
26/2/18
DIRECTOR OF MINES SAFETY
JHARKHAND REGION



Certificate of Foreman

GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
DIRECTORATE-GENERAL OF MINES SAFETY

NO. EXAM/FR/EXEMPT/ 2745/ 42 DHANBAD, DATED 30/06/18


M E M O R A N D U M

Ref: His application dated 22.6.07 by virtue of Government Notification No. 712(E), dated 13/12/1974.

Shri : PREMANANDA MUDULI S/o. MADHAB MUDULI
Of Village: Bamanal Thana: Nimapara
District: Puri State: Orissa
Born on: 02nd June , 1984 (Nineteen Eighty Four)

possessing a Diploma in Mining & Mine Surveying approved under Regulation 18 of Metalliferous Mines Regulations, 1961 and on completion of prescribed experience has become eligible to work in a capacity requiring possession of Foreman's Certificate Restricted to Mines having opencast workings only under Metalliferous Mines' Regulations, 1961 with effect from 04.10.2007 till the above Notification remains in force.

24.6.08
Secretary
Board of Mining Examination &
Director of Mines Safety (Exam)
Directorate-General of Mines Safety office
Dhanbad



From 18/07/17 upto 17/07/2022
D. Meena
खान सुरक्षा निदेशक
DIRECTOR OF MINES SAFETY
खान सुरक्षा क्षेत्र MARGAO

07/11/2012 H. B. B. B.
निदेशक खान सुरक्षा
DIRECTOR OF MINES SAFETY
खान सुरक्षा क्षेत्र GOVT. OF INDIA
खान सुरक्षा क्षेत्र GOA REGION
पडगांव / MARGAO - 403 601
गोवा : GOA

Certificate of Foreman

Annexure No.3

**KERALA STATE POLLUTION CONTROL BOARD**

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

Date of issue :04/09/2020

INTEGRATED CONSENT TO OPERATE - RENEWAL**Consent No : PCB/TVM-DO/ICO(R)/NDD/QRY/120/2020****Ref : 1) Consent No:PCB/TVM-DO/ICO/QRY-596/2017 Dated 16/11/2017****2) This Application No:13575532 Dated 18/07/2020**

The ' Integrated Consent to Operate' issued as per reference above to M/s Travancore Blue Metal Industries Private Ltd, CheriyaKonni, CheriyaKonni P.O, Aruvikkara, Nedumangad, Thiruvananthapuram is hereby renewed up to 30/03/2022 and issued to M/s Travancore Blue Metal Industries Private Ltd, CheriyaKonni, CheriyaKonni 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	VALIDITY	30/03/2022
2	CATEGORY	RED
3	CAPITAL INVESTMENT	Rs 228 Lakhs
4	ANNUAL FEE	Rs 31400/-
5	FEE REMITTED	Rs 96050/-
6	PRODUCT DETAILS	Rocks Quarrying :1000 Metric Tonnes

II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

III. CONDITIONS

- 5.1 The location of the quarry shall be as per the approved drawing form village office attached along with this consent. Quarrying area is restricted to the land having valid lease and EC in resurvey nos. 229/1,9,9-1,13,234/4,3,5,6,8-2, 9-1, 10,11, 238/12,13-2,16-2,17-2,240-7,7-1, 7-2,8,9,10,11, 241/1-1,1-2,2,4,5,6,7,8,8-1,9-1,10,12-16,12-17,242/2,4-2,4-3,5,6,241/12-2,13-1,18,242/1,7,8,245/4,5,6,6-1,6-2,6-3,6-4 for 9.2152 hectares in Aruvikkara Village Nedumangad Taluk, Thiruvananthapuram
- 5.2 This consent is granted subject to the power of the Board to review and make variations in all or any of the conditions as per section 21 of the Air (Prevention and Control of Pollution) Act 1981 and section 25 of the Water (Prevention and Control of pollution) Act 1974.
- 5.3 The validity of this consent is subjected to the final judgement of Hon'ble High Court in W.P.(C) No: 15858/2020(F) and the final order of Hon'ble National Green Tribunal on the matter.
- 5.4 Any change in the particulars furnished in the references and/or in the identity of the occupier / authorized agent shall be intimated to the Board within a week.
- 5.5 It is the responsibility of occupier to ensure that quarrying activities are restricted to only area shown in the attached drawing and at a distance more than 50 m from the nearby residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.
- 5.6 After excavation at the site is completed, the land may be reclaimed or used for rain water harvesting with protective barriers/any other suitable purpose like aquaculture approved by the authority.
- 5.7 All the necessary control measures provided should be maintained properly to ensure that the system is adequate to control the air and water pollution caused by the functioning of the unit within the limit.
- 5.8 Regular wetting of the roads in the premises of the quarry and approach roads near the quarry shall be done for avoiding excessive dust emission within and outside the boundary of the unit.
- 5.9 Boundary of quarrying area shall be fenced and demarcated.
- 5.10 Fugitive emission from the quarry premises and road leading to quarry shall be suppressed using water sprinkling.
- 5.11 The suspended particulate matter (SPM) at boundary of the premises of the quarry shall not exceed the following limit applicable to that area as per the National Ambient Air Quality Standards. a) The PM 10 in ambient air at the boundary shall not exceed 100 microg/m³ b) The PM 2.5 in ambient air at 1m outside the boundary shall not exceed 60 microg/m³.
- 5.12 The sound level measured at 1.0 m outside the boundary shall not exceed the limit as per the Ambient Air Quality Standards in respect of Noise.
- 5.13 The operation of the unit shall be commenced/done only after obtaining clearances from all concerned authorities.
- 5.14 The quarry shall be operated only from 6am to 6pm.
- 5.15 For renewal of the consent in case of continuance of operation of the industry, application in the prescribed form shall be submitted through the web portal of the Board <http://krocmms.nic.in> for renewing the Consent on or before two month in advance to expiry date. Late application will be accepted with 10% (for application before expiry date) & 50% of yearly fee as late fee for application after due date.
- 5.16 This Consent is granted on the basis of ENVIRONMENTAL CLEARANCE DATED: 31/03/2017 and other documents furnished by the applicant. If any document is found false, the consent issued will be cancelled/ revoked.
- 5.17 This consent is granted subject to the Environmental Clearance No: 29/2017 dated 31/03/2017 having validity up to 30/03/2022 issued by State Environmental Impact Assessment Authority Kerala, SEIAA (Proceedings No.52/SEIAA/KL/3072/2013).

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

DATE :04/09/2020

BINCY B S

Digitally signed by
BINCY B S
Date: 2020.09.05
21:48:28 +05'30'

SIGNATURE & SEAL OF ISSUING AUTHORITY
ASSISTANT ENVIRONMENTAL ENGINEER,
ENVIRONMENTAL ENGINEER (I/C)
DISTRICT OFFICE, THIRUVANANTHAPURAM




To

Travancore Blue Metal Industries Private Ltd,
Cheriyakonni,
Cheriyakonni P.O,
Aruvikkara,
Nedumangad,
Thiruvananthapuram

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

Copy of Consent form PCB

Annexure No.4



Validity expires on 30/03/2022

सत्यमेव जयते

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

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

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

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

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

Read:-

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


Environmental Clearance No 29 /2017

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

1

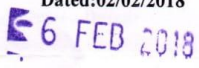
Copy of Environmental Clearance

Annexure No. 5



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

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

Dated:02/02/2018


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

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

Sir(s),

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

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

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

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

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

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

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

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

Enclosures :

Copy Forwarded to:

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

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

Deputy Chief Controller of Explosives
Ernakulam

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



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

29 JAN 2021

संख्या (No.): E/SC/KL/22/1215(E58077)

दिनांक (Date): 25/01/2021

सेवा में | To,

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

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

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

महोदय | Sir,

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

Conditions:

1) QUARRYING SHALL BE STARTED USING EXPLOSIVES ONLY AFTER GRANT OF QUARRYING LEASE FROM THE DIRECTOR OF MINING & GEOLOGY . PLEASE NOTE THAT THE USE OF EXPLOSIVES IN THE QUARRIES SHALL BE AS PER THE DIRECTION OF DGMS, BANGALORE AS REQUIRED UNDER MINES ACT 1952 AND METALIFEROUS MINES REGULATIONS 1961.

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

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

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

भवदीय | Your's faithfully

(आर.वेणुगोपाल | Dr. R.Venugopal)

उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives

कोच्ची | Ernakulam

उप मुख्य विस्फोटक नियंत्रक
Deputy Chief Controller of Explosives

प्रतिलिपि प्रेषित | Copy Forwarded to:

1. ज़िला मजिस्ट्रेट (District Magistrate), THIRUVANANTHAPURAM (Kerala) सूचना के लिए (for information.)
उप मुख्य विस्फोटक नियंत्रक | Deputy Chief Controller of Explosives
कोच्ची | Ernakulam

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

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

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)

(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

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

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

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

वार्षिक फीस रुपए (Annual Fee Rs): 2400/-

1. Licence is hereby granted to

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



को अनुज्ञापति अनुदत्त की जाती है।

2. अनुज्ञापतिधारी की प्रास्थिति | Status of licensee : **Individual**3. अनुज्ञापति निम्नलिखित प्रयोजनों के लिए विधिमान्य है। possess for use of **Nitrate Mixture, Electric and/or Ordinary Detonators, Safety Fuse** के उपयोग के लिए
Licence is valid only for the following purpose.

4. अनुज्ञापति विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमान्य है।

Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

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

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञापति के लिए]

(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 अनुज्ञापति परिसर की पुष्टि होती है।

The licensed premises shall conform to the following drawing(s):

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1215
(E58077)
दिनांक (Dated) 29/04/2011

6. अनुज्ञापति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:

Survey No. 245/6-2, Block 41 . , ग्राम (Town/Village) : **Aruvikkara village, Nedumangad Taluk, Thiruvananth**जिला (District) **THIRUVANANTHAPURAM** राज्य (State) **Kerala** पिनकोड (Pincode) **695013**
दूरभाष (Phone) **09447178279** ई. मेल (E-Mail) **पुलिस थाना (Police Station) : Nedumangad** फेक्स (Fax)

7. अनुज्ञापति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

D(110) and E(172) and E(854) type portable magazine (Mfd by Thekkans Engg and Fabrication Works, Ernakulam)total three portable magazine after this amendment

8. अनुज्ञापति समय – समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम,

2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबद्धों के अधीन रहते हुए अनुदत्त की जाती है।

The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.

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

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

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

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

Sd/-

तारीख | The Date - 29/04/2011

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

Amendments :

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

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

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


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

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

Copy of Explosive

Annexure No. 6

13




ലൈസൻസ് നമ്പർ : **A9/2507/13/21** തീയതി : **01/04/21**
അരുവിക്കര ഗ്രാമപഞ്ചായത്ത്

1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്റ്റ് 232, 233, 234 എന്നീ വകുപ്പുകളും തൽസംബന്ധമായ ചട്ടങ്ങളും അതോടൊപ്പം കേരള ഇൻവെസ്റ്റ്മെന്റ് പ്രൊമോഷൻ ആൻഡ് ഫെസിലിറ്റേഷൻ ഓർഡിനൻസ് (2017) അനുസരിച്ച്

വ്യവസായങ്ങൾ/ഫാക്ടറികൾ/വ്യാപാരം/സംരംഭകത്വം/മറ്റു സേവനങ്ങൾ
എന്നിവയ്ക്ക് നൽകുന്ന ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	പി.വി സുരേഷ്കുമാർ വടവള്ളം ട്രാൻസ്കൂൾ ബ്ലോക്ക് ഇൻഡസ്ട്രീസ് പ്രൈവറ്റ് ലിമിറ്റഡ്	
സ്ഥാപനത്തിന്റെ പേരും മേൽവിലാസവും	ട്രാൻസ്കൂൾ ബ്ലോക്ക് ഇൻഡസ്ട്രീസ് പ്രൈവറ്റ് ലിമിറ്റഡ് കടമ്പനാട്, ചെറിയകൊണ്ണി	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറച്ചാറി നടത്തുന്നതിന് (50HP)	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും	സമുദായ നമ്പർ 229/1, 229/9, 229/9-1, 229/13; 234/4, 3, 5, 6, 8-2, 9-1, 10, 11; 238/12, 13-2, 16-2, 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.	
ലൈസൻസ് കാലയളവ്	10/04/2021, 12-2, 13-1, 18; 242/2, 4-2, 4-3, 5, 6, 1, 7, 8; 245/4, 5, 6, 6-1, 6-2, 6-3, 6-4 01-04-2021 മുതൽ 31-03-2022 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	15000 രൂപ	രസീത് നമ്പർ
		120150107157 26/03/2021
തൊഴിൽ നികുതി	2500 + 10500 = 13,000/-	
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	Environmental Clearance No: 29/2017 (Valid upto 31/3/2022) State Pollution Control Board Consent No: PCB/TVM-DO/ICO/NDD-243/2017 (Renewed upto 30/03/2022) Explosive Licence No: E/SC/KL/22/1215 (Renewed upto 31/3/2022) Quarrying Lease valid upto 27/2/2027 from Mining & Geology Department, Kerala.	



SHIBU PRANAB, R.S
Secretary
Aruvikkara Gram Panchayat
Aruvikkara P.O., Trivandrum
India - 695564, Ph: 0472 2888225, 9496040691

Copy of license from Gram Panchayat

Annexure No.7

NO. 3898/1/2010 5

भारतीय गैर न्यायिक
INDIAN NON JUDICIAL

एक सौ रुपये
ONE HUNDRED RUPEES

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,Cheriyakonni P.O,Kadapanad,Thiruvananthapuram-695013 aged 45 years
son of M.P Abdulla, resident of Grace, TC 437/14 Kamaleswaram, Manacaud,
P.O. Thiruvananthapuram, in the village of Muttathara, taluk of the
Thiruvananthapuram,Thiruvananthapuram District (hereinafter called the "lessee"
which expression shall where the context so admits, include his executors,
administrators, representatives and permitted assigns) of the other part.

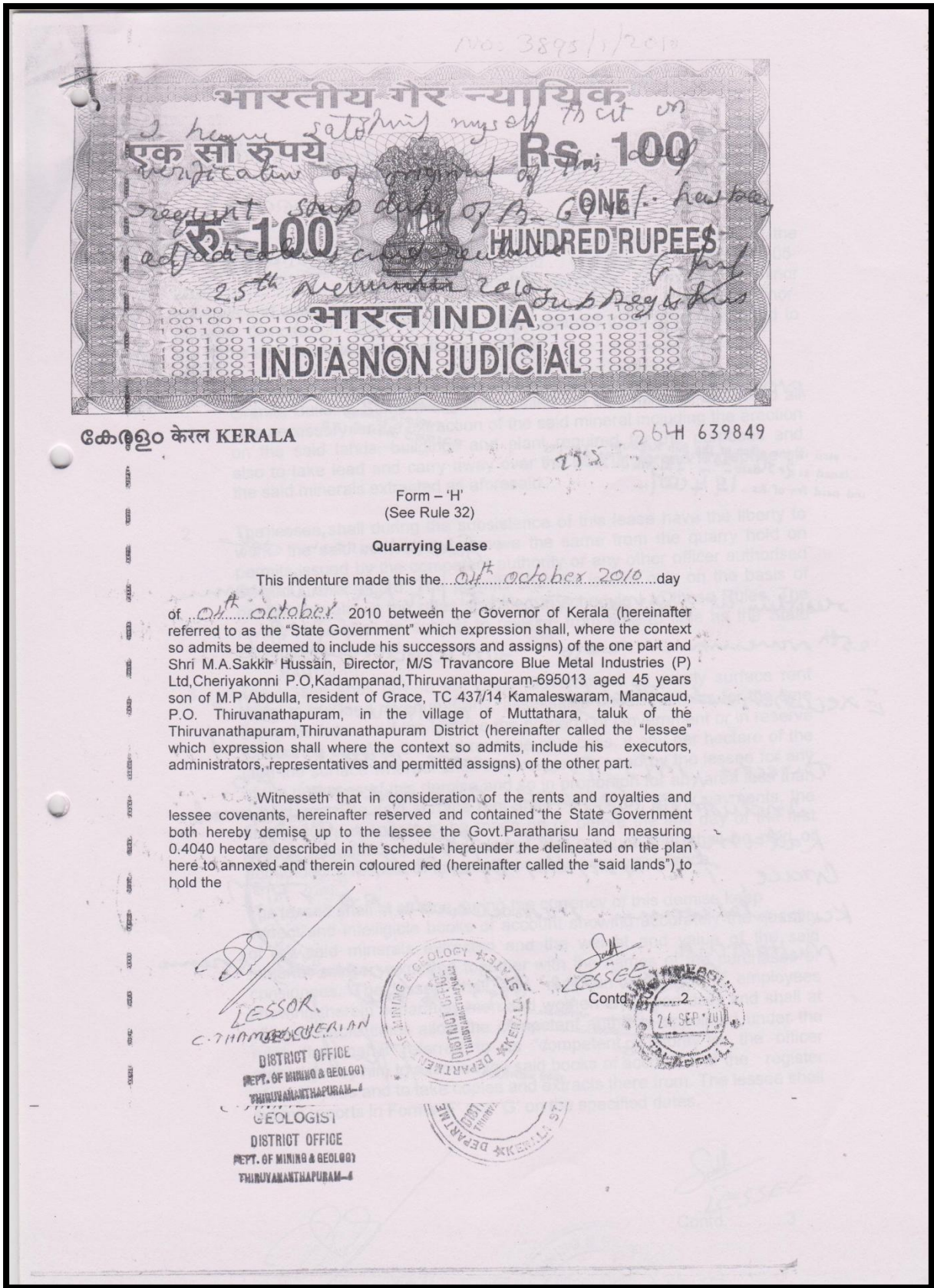
Witnesseth that in consideration of the rents and royalties and
lessee covenants, hereinafter reserved and contained the State Government
both hereby demise up to the lessee the Govt.Paratharisu land measuring
0.5983 hectare described in the schedule hereunder the delineated on the plan
here to annexed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

LESSOR
C. THARMA CHERIAN
GEOLOGIST
DISTRICT OFFICE

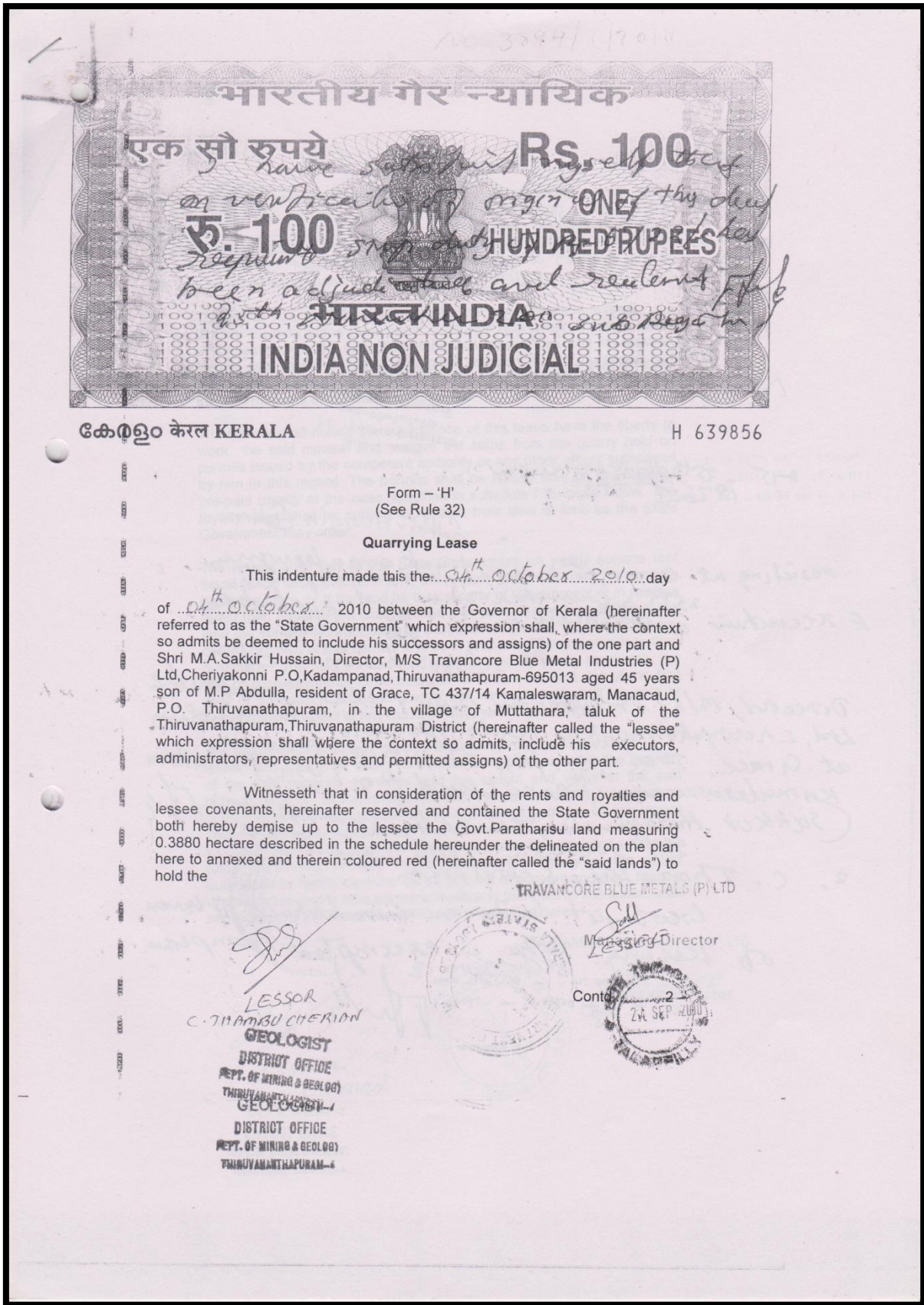
LESSEE
Contd. 2

24 SEP 2010

Copy of lease



Copy of lease



Copy of lease

No: 2993/1/2010

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

भारत INDIA

INDIA NON JUDICIAL

केरल KERALA C 712722

Form - 'H'
(See Rule 32)


Quarrying Lease

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

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


R. Gopakumar

R. Gopakumar
Geologist



Sakkir

M.A.Sakkir Hussain



Copy of lease

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



भारतीय गैर न्यायिक
भारत INDIA

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


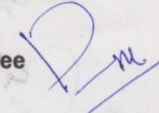
पाँच सौ रुपये
सत्यमेव जयते
Rs. 500
INDIA NON JUDICIAL

കേരളം കേരल KERALA F 937501

Form H
(see Rule 43)
QUARRYING LEASE

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

Lessor  Lessee 

DEPARTMENT OF REVENUE
DISTRICT OFFICE
THIRUVANANTHAPURAM
KERALA STATE

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

DISTRICT REGISTRAR (GL) COLLECTOR
27 FEB 2018

Kilipulam Vendor
K.R.C. for M/s Travancore Blue Metal Industries PVT Ltd

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 sheets

Copy of lease

Annexure No.8

Annexure-2
CLASSIFIEDS MART
 TO ADVERTISE:
 www.thehinduads.com
 Thiruvananthapuram: 0471 2502001
 Kollam: 0474 2740001

NOTICE
 This is to inform to the General Public that, a quarry project at Survey 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 of M/s Travancore Blue Metal Industries Private Limited at Aruvikkara Village, Aruvikkara Panchayat, Nedumangad Taluk, Thiruvananthapuram District, Kerala is accorded with ENVIRONMENTAL CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 152/SEIAA/KL/3072/2013 dt. 31/03/2017 and the copy of the Environmental Clearance is available with the office of State Environment Impact Assessment Authority and may also be seen on the website of the Authority at www.seiaakerala.org

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 DEVELOPMENT OF THOUGHTS
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IAS/IPS 2018
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 WEEKEND BATCH
 COMING ON 23 APRIL 2017
inspirit IAS ACADEMY
 VMR JUNCTION, NAKTHANCODE, THIRUVANANTHAPURAM - 03

NOTICE
 THUSHARA MARIA, Puravady Grace Bhavan, Vazhappally West P.O., Changanacherry, Kottayam has applied for a Housing Loan at LIC Housing Finance Ltd. Kottayam for purchase the property G3/24 Area from 04.10 Ares in Re Sy.No. 91 of Changanacherry village owned by Smitha Sebin, Thengumpallyyil, Puzhavathu, Changanacherry. Title holder states No. 314/05 of Changanacherry SRO regarding the property had been lost irrecoverably. If anybody has objection in this regard, inform within 15 days from of this day.

TENDERS
Aravindangam Institute for Home Science and Higher Education for Women
 (Established in 1982 Act 1986)
 Coimbatore - 641 043, Tamil Nadu, India.
 Re-accredited with 'A' Grade by NAAC

TENDER NOTIFICATION
 Tenders are invited under sealed cover for the procurement and installation of the following items. Tender document can be obtained from the office on working days from 12.00 to 3.15.17 on payment of Rs.15600/- (including taxes) by demand draft drawn in favour of The Registrar, Aravindangam Institute for Home Science and Higher Education for

WEDDING CARDS & Printing Valavi & Company Broadway, Ekm. Ph:2383765.

OFFICE EQUIPMENT
 ID CARD, Laminators, Paper shredders, Valavi, Ph:2383765

THANKSGIVING
 Thank You Lord Jesus for blessings showered. Sridharan & family.

TENDERS
AIRPORTS AUTHORITY OF INDIA
 Tender Notice
 Airports Authority of India invites item rate e-Tender for the work of "Providing flooring Infront of Glide Path Antenna for Runway 07 at Chennai Airport" at an estimated cost of Rs.30,57,860/- with a completion period of 03 (Three) Months. Tender Fee shall be paid upto 17.30 hrs on 23.05.2017. Last date of submission of e-bid through e-portal is upto 17.30 hours on 23.05.2017. For detailed information visit our website

KERALA KHADI AND VILLAGE INDUSTRIES BOARD
THIRUVANANTHAPURAM-35.
 KB- 5316/16/ENGG Tel: 0471 -2472896

NOTICE INVITING TENDERS

The Secretary, Kerala Khadi and Village Industries Board, Thiruvananthapuram invites sealed cover tenders for the execution of Public Works for the following work:
 The work of construction of retaining wall of departmental production unit at Perayam, Trivandrum Dist.
 Estimate : 324384.00
 Budget : 8200.00
 Period of completion : 90 days
 Tender schedule : 650 + VAT 5%

The earnest money deposit in the form of Fixed Deposit pledged in favour of the Secretary, Kerala Khadi and Village Industries Board and payable to Thiruvananthapuram, attested copy of license and preliminary agreement should be attached along with the filled up sealed tenders.
 The last date of receipt of tenders at the District Khadi and Village Industries Office, Thiruvananthapuram is on 22.05.2017 at 3.00 p.m. The tenders received will be opened at 3 p.m on 23.05.2017 at the Board's Head Office, Thiruvananthapuram in presence of the contractors present. The sale of tenders will be closed at 12.00 Noon on 22.05.2017.
 The Secretary, Kerala Khadi and Village Industries Board reserves the full right to reject any or all the tenders without assigning any reason. The relevant rules existing in Kerala Public Works Department is applicable to the work.
 Sd/ SECRETARY

TRAVANCORE BLUE METAL INDUSTRIES (P) LTD.
 Kadambanad, Cheryyakonni P.O., Thiruvananthapuram -695013.
 Phone: 0472 -2888080, 2888050, 2888030.
 E-mail: travancorebluemetal@gmail.com

നോട്ടീസ്
 മഹാത്മാജി സൗഖ്യശാലയിൽ, കേരള സംസ്ഥാനം, തിരുവനന്തപുരം ജില്ല, അന്താരാഷ്ട്ര തലമുക്ക്, അദ്ധികൃതർ പങ്കാളിയായിട്ടും, അദ്ധികൃതർ വിദ്യാഭ്യാസ ക്ലബ്ബിന് സർവ്വ നമ്പർ 231/1, 241/3, 245/7, 245/9, 245/11, 293/7, 294/1, 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 തിരുവനന്തപുരം ജില്ലയിൽ സ്ഥാപനത്തിന് കേരള സംസ്ഥാന പരിസ്ഥിതി ഇംപാക്ട് അസസ്സ്മെന്റ് അതോറിറ്റിയിൽ നിന്നു ലഭിച്ച പകർപ്പ് കേരള സംസ്ഥാന പരിസ്ഥിതി ഇംപാക്ട് അസസ്സ്മെന്റ് അതോറിറ്റിയിൽ ലഭ്യമാണ്. www.seiaakerala.org എന്ന വെബ്സൈറ്റിൽ കൂടുതൽ പകർപ്പ് കാണാവുന്നതാണ്.

ഭാരത സർക്കാർ / GOVERNMENT OF INDIA, ഉത്തരവ് വിജ്ഞാപനം
 विक्रम सारभाई अंतरिक्ष केंद्र / VIKRAM SARABHAIA
 हमीत निष्पन्न निर्माण एवं अनुरक्षण प्रमाण, सीपीएच/ CONSTRUCTION AND
 रिसर्चिंग/ THIRUVANANTHAPURAM
 (फोन नं. / Ph. No. 0471 -2565117)

ई-निविदा आमंत्रित करते हुए संक्षिप्त सूचना/BRIEF NOTIFICATION
 भारत के राष्ट्रपति की ओर से निम्नलिखित कार्यों के लिए ई-टेंडरिंग द्वारा ऑनलाइन रूप से निविदा आमंत्रित की जाती है।
 कार्य का नाम / Name of the Work
 सिविल कार्य / CIVIL WORKS
 एनआइटी नं. वीएएससी/सीएमडी/सीएच/4555/06231/2017
 NIT No: VSSC/CMD-CPH/CS/4555/06231/2017
 एमएलसी, वीएएससी, तुंबा के वीआरसी शीताक के कर्षण छत रिहाय्य सुधार कार्य

കേരള സംസ്ഥാന ഭാഗ്യക്കുറി
 നമ്പർ: 6030/2017
 തീർത്ഥാടകൻ/നമ്പർ: 12-05-2017
 തീർത്ഥാടകൻ/നമ്പർ: 12-05-2017
 തീർത്ഥാടകൻ/നമ്പർ: 12-05-2017

നോട്ടീസ് NB 828541 (പരമ്പരനമ്പർ)
 NA 828541 NC 828541 ND 828541 NE 828541
 NA 629396 NC 437981 ND 610062
 NB 472195 NC 537043 NE 464324
 NE 740115 ND 554673 NE 727417
 NA 374856 (തിരുവനന്തപുരം)
 NB 740115 (തിരുവനന്തപുരം)
 NC 437981 (കോട്ടയം)
 ND 610062 (കോട്ടയം)
 NE 464324 (കോട്ടയം)
 NE 727417 (കോട്ടയം)

Advertisement in News papers

Annexure No.9

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

KREWS (GLM, KANJIKODE) 2014

Chequens are subject to realisation

Acknowledgment from Gram Panchayat

Annexure No.10

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

കേരളം KERALA **BN 733203**

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

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

DEPONENT

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

DEPONENT

Place: Thiruvananthapuram
 Date: 15/05/2017
 15/5/17 P.V. Suresh Kumar
 Director Travancore

NOTARY
SURENDAR V.P.
ADVOCATE & NOTARY
DISTRICT JURISDICTION

SURENDAR V.P. B.A., LL.B.
ADVOCATE & NOTARY
 Roll No. KM/14/1999
 VANANGAD

Copy of Affidavit

Annexure No.11

**TEST REPORT**

Test Report No: 20211220/R025	Date: 24-12-2021	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd, Aruvikkara, Nedumangad, Thiruvananthapuram District.
Customer Reference	Test Request dt: 20-12-2021

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20211220/S025
Sample Name	Ambient Air	Sample Received on	21-12-2021
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	21-12-2021
Sampled by	Lab Authorized Sampler	Test Completed on	23-12-2021


DETAILS OF SAMPLING			
Sampling Location	Near East Side Boundary	Date of Sampling	20-12-2021
Sampling Procedure	SEAL/ENL/GEN/SOP/02	Humidity	65%

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

TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards
1	Particulate Matter, PM ₁₀	IS 5182 (Part 23):2006	µg/m ³	47.9	Max 100
2	Particulate Matter, PM _{2.5}	EPA 40 CFR (Part 50) Appendix - L	µg/m ³	21.5	Max 60


Rija Joseph
 Technical Manager
 Checked by:




Laiju P.N.
 Laboratory Head
 Authorized Signatory

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

Standard^S Environmental & Analytical Laboratories

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

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

**TEST REPORT**

Test Report No: 20211220/R025	Date: 24-12-2021	Page 2 of 2
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TEST RESULTS- CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards
3	Sulphur Dioxide as SO ₂	IS 5182 (Part 2): 2001 RA 2017	µg/m ³	<2.00	Max 80
4	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6): 2006 RA 2017	µg/m ³	<2.00	Max 80


Remarks:

End of Report

Standards


Rija Joseph
 Technical Manager
 Checked by:




Laiju P.N.
 Laboratory Head
 Authorized Signatory

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Result of Air

Annexure No.12

**TEST REPORT**

Test Report No: 20211220/R026	Date: 24-12-2021	Page 1 of 1
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CUSTOMER DETAILS

Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd, Aruvikkara, Nedumangad, Thiruvananthapuram District.
Customer Reference	Test Request dt: 20-12-2021

DETAILS OF MONITORING

Product Category	Atmospheric Pollution	Sample Code	20211220/S026
Sample Name	Ambient Noise	Monitoring Commenced on	20-12-2021 / 06:00
Monitoring Location	Near East side Boundary	Monitoring Completed on	21-12-2021 / 06:00
Test Method	IS 9989:1981 RA:2008	Monitored by	Lab Authorized Sampler

MONITORING SITE DETAILS

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

MONITORING RESULTS - Leq

TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	37.8	14:00	50.7	22:00	36.7
07:00	40.6	15:00	51.1	23:00	35.4
08:00	44.9	16:00	52.3	24:00	38.0
09:00	48.4	17:00	52.7	01:00	38.7
10:00	50.7	18:00	47.2	02:00	38.3
11:00	53.8	19:00	43.7	03:00	39.1
12:00	51.1	20:00	39.8	04:00	38.0
13:00	50.3	21:00	39.3	05:00	39.8

TEST RESULTS


Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)	dB(A)	49.2
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)	dB(A)	38.2

Remarks:

End of Report


Rija Joseph
 Technical Manager
 Checked by:




Laiju P.N.
 Laboratory Head
 Authorized Signatory

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

Result of Noise

Annexure No.13

**TEST REPORT**

Test Report No: 20211220/R027	Date: 24-12-2021	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd, Aruvikkara, Nedumangad, Thiruvananthapuram District.
Customer Reference	Test Request dt: 20-12-2021

SAMPLE DETAILS			
Product Category	Water	Sample Code	20211220/S027
Sample Name	Open Well	Sample Received on	21-12-2021
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	27 °C
Sample Quantity & Packing	1L & 100ml Plastic Bottle	Test Commenced on	21-12-2021
Sampled by	Not Drawn by Laboratory	Test Completed on	23-12-2021

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

TEST RESULTS- CHEMICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 :2012
1	Colour	IS 3025 (Part 4):1983 RA 2017	Hazen	1	Max 5
2	Odour	IS 3025 (Part 5):2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10):1984 RA 2017	NTU	0.20	Max 1
4	pH	IS 3025 (Part 11):1983 RA 2017	---	7.13	6.50 – 8.50
5	Conductivity	IS 3025 (Part 14):1984 RA 2019	µS/cm	77.0	---
6	Total Dissolved Solids	IS 3025 (Part 16):1984 RA 2017	mg/L	50.0	Max 500
7	Total Hardness as CaCO ₃	IS 3025 (Part 21):2009 RA 2019	mg/L	18.1	Max 200

Shency Joy
Dy.TM-Chemical
Checked by



Salini T.S.
Microbiologist
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

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Standard^s Environmental & Analytical Laboratories

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

**TEST REPORT**

Test Report No: 20211220/R027	Date: 24-12-2021	Page 2 of 2
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TEST RESULTS- CHEMICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 :2012
8	Calcium as Ca	IS 3025 (Part 40):1991 RA 2019	mg/L	4.00	Max 75
9	Magnesium as Mg	IS 3025 (Part 46):1994 RA 2019	mg/L	1.94	Max 30
10	Chloride as Cl	IS 3025 (Part 32):1988 RA 2019	mg/L	7.99	Max 250
11	Total Alkalinity as CaCO ₃	IS 3025 (Part 23):1986 RA 2019	mg/L	13.9	Max 200
12	Iron as Fe	IS 3025 (Part 53):2003 RA 2019	mg/L	0.23	Max 1
13	Sulphate as SO ₄	IS 3025 (Part 24):1986 RA 2019	mg/L	2.71	Max 200

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

Remarks:

End of Report

Shency Joy
Dy. TM-Chemical
Checked by



Salini T.S.
Microbiologist
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

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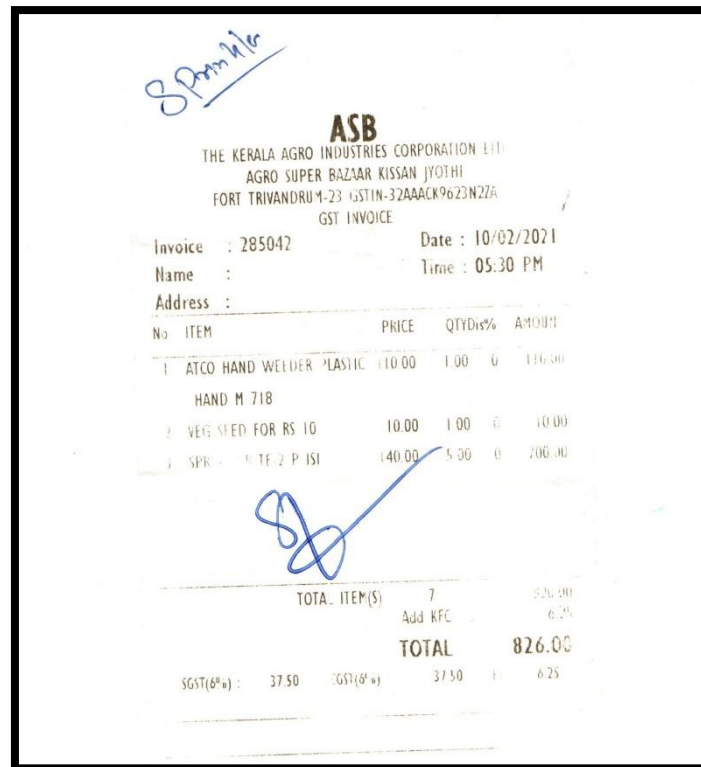
Standard^S Environmental & Analytical Laboratories

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

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

Result of Water

Annexure No.14



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 :					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												
TAXABLE							Total Amt Before Tax				4098.21	
0							Dis(0.00)				0.00	
5							Add : SGST				245.89	
12							Add : CGST				245.89	
18							KFC				40.98	
28							Other Chg				0.00	
							Rof				0.02	
							TOTAL				4631.00	
BANK NAME: KAIC AC AGRO SUPER BAZAR, ADDRESS: BANK OF BARODA, ACCOUNT NO: 05570200009194, BANK IFSC: BARBOTRIVAN.												
For ASB												

Sprinkler Bill

Annexure No.15

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: 32ACLFS1729D1ZC
State Name : Kerala, Code : 32

Tax Invoice

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

Sl 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
	Total		7 nos			₹ 48,000.00

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

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

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

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

Customer's Seal and Signature

for Sungrid Technologies
Authorised Signatory

This is a Computer Generated Invoice

(ORIGINAL FOR RECIPIENT)

Invoice No. 4
Ref. No.

Dated 5-Jul-2018

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

Tax Invoice

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

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

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

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

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

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

Customer's Seal and Signature

for Sungrid Technologies
Authorized Signatory

This is a Computer Generated Invoice

Copy of Solar Bills

Annexure No.16

POLLUTION UNDER CONTROL CERTIFICATE						
Under Rule 115(7) of CMV Rules 1989						
Registration No	KL21 F 9192	Serial No.	D201721973			
Date of Testing	07/Feb/2017	Time	9:01 AM			
Engine No	HGV	Year of Manufacture	2012			
Make	TATA	Speedometer Reading	-			
Class of Vehicle	6W	Fuel	DIESEL			

Flush and Cycle						
Ave.	RPM Min.	RPM Max.	Temp.			
	647	1704	91			
S.No.	RPM Min.	RPM Max.	K m ³	HSU %	Temp.	
1	627	1764	1.68	51.5	91	
2	646	1754	1.26	42.0	91	
3	632	1812	0.84	30.4	91	
4	640	1704	1.47	47.0	91	
5	640	1838	1.41	45.5	91	
6	643	1910	1.35	44.1	91	
7	643	1796	1.25	41.7	91	
8	652	1812	1.32	43.4	91	
Mean		Pass	1.33	43.7		

Date on: 07/Feb/2017
Time on: 9:01:08 AM

KL-21
F 9192

Certified that this Vehicle's HSU Emission Level Conforms to the standards prescribed under Rule 115(2) of CMV Rules 1989. **This Certificate is valid Upto**

06/Aug/2017

(Signature)
(Name of Authorised signatory)

V.R. POLLUTION TESTING CENTRE
11th Stone, Near LIC Office, Nedumangad,
TVM., Kerala, Ph : 0472 - 2803540
Licence No : D1 / 1 / 2000

Copy of PUC Certificate