

**M/s Travancore Blue Metal Industries (P) Ltd**

**COMPLIANCE REPORT**

**APRIL 2020 - SEPTEMBER 2020**

**THIRUVANTHAPURAM DISTRICT**

**KERALA**



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**Dt.25-11-2020**

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

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

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

**Respected Sir,**

The Quarry (Building stone) project was accorded Environmental Clearance for 12.0836Ha. by order No. 152/SEIAA/KL/3072/2013 dated 31-03-2017 by State Environmental Impact Assessment Authority, Kerala. The compliance report of **First half** (April 2020– September 2020) 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 First half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2020 - September 2020** is being submitted.

**COMPLIANCE REPORT**

**(SPECIFIC CONDITIONS)**

**PART A**

**PART - A – SPECIFIC CONDITIONS**

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

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. Danger board is attached as **Plate No. 5**. This will be maintained in the project area.

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

At present the project proponent has been storing maximum possible rain water in to the constructed pond. 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 is being provided to remove sediments from the storm water.

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

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

**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**PART B**

**PART – B – GENERAL CONDITIONS**

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

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

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

The Environmental Monitoring Cell (EMC) was formed with Mr. Biju varghese as head of the monitoring cell. The EMC meetings of the cell convene periodically and evaluate the activities towards the stipulations of Environmental Clearance order. Copy of Minutes report is attached as **Annexure No. 17**. The details of the monitoring cell are given below:

**Table 1 - Environmental Monitoring Cell (EMC)**

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

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

The project proponent has been planting various tree 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**.

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

The installation of solar can reduce the consumption from conventional sources therefore 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**.

<b>05</b>	Sprinklers shall be installed and used in the project site to contain dust emissions.	<b>Complied</b>
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**Compliance:**

The emission of dust is a major adverse effect of a mining industry. Emission of dust is one of the main problems in mining area. To prevent dust emissions from the road while transportation of materials, the project proponent is splashing water on roads by deploying a vehicle at project site. Sprinklers are also installed in the project site.

<b>06</b>	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	<b>Noted</b>
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**Compliance:**

Eco restoration is in an integral part of mining activity. The eco restoration and the mine closure plan will be done at the own cost of the project proponent as per the approved mining area. The project proponent started to plant various saplings in and around the project site.

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

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

<b>08</b>	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	<b>Complied</b>
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**Compliance:**

The project proponent has carried out many activities under Corporate Social Responsibility (CSR)/ Corporate Environmental Responsibility (CER). The main activities were in the sectors like education, health care, Environment sustainability etc. The detail of CSR provided in the period is mentioned in the **Table No.2**. The Copy of Receipts/ bills are attached as **Annexure No. 14**

**Table No.2 – CSR/CER Details**

<b>Sectors</b>	<b>Activities</b>	<b>Beneficiaries</b>	<b>Amount spent in Rs.</b>
<b>Health</b>	Medical Aid	Ambika Keezhoor	1200
	Medical Aid	Ajayan	1000
	Medical Aid	Aruvikkara Panchayath For Vegetable	5,000.00

		Kit Supply (Corona-19)	
	Medical Aid	Community Kichen	15,000.00
	Medical Aid	Cpi(M) Vembannur For Corona Kit	10000
	Medical Aid	Incfor Corona Kit	2500
	Medical Aid	Valsala CPI(M) CORONA KIT	1000
	Medical Aid	Bjp Kadabanadu For Corona Kit	20,000
	Medical Aid	Dyfi For Covid-19	12000
	Medical Aid	Cpi(M) Mailom For Corona Kit	5000
	Medical Aid	Vegitable Kit For Corona	5000
	Medical Aid	Auto Drivers Aruvikkara For Covid 19	3000
	Medical Aid	Ani Nilamel	1500
	Medical Aid	Anil Thirumala	600
	Medical Aid	Anilkumar Vamanappuram	200
	Medical Aid	Anil Kadpandu	1000
	Medical Aid	Ayoob Mundela	2000
	Medical Aid	Bhaskaran Nair Kadambanadu	200
	Medical Aid	Bharathan	1100
	Medical Aid	Bhargavan Venbannu	500
	Medical Aid	Basheer	500
	Medical Aid	Chandran	500
	Medical Aid	Chandu Kadambanadu	1000
	Medical Aid	David Vazhayala	400
	Medical Aid	Jayan	200
	Medical Aid	Joy Moozhinada	800
		Jayakumar Kadambanadu	3000
	Medical Aid	Krishna Prasad Kadambanadu	1800
	Medical Aid	Lambarth	600
	Medical Aid	Madhu Mailom	500
	Medical Aid	Manikandan	400
	Medical Aid	Mani	200
	Medical Aid	Mohanan	1000

	Medical Aid	Manikuttan	500
	Medical Aid	Nuhammed Salim Aruvikkara	250
	Medical Aid	Mohammed Shereef	200
	Medical Aid	Manoharan	3500
	Medical Aid	Nikson CheriyaKonni	600
	Medical Aid	Praveen	2200
	Medical Aid	Ranjan	2000
	Medical Aid	Radhakrishnan Moozhinada	700
	Medical Aid	Radhakrishnan, CheriyaKoni	400
	Medical Aid	Rajeev	200
	Medical Aid	Rajendran K Punalal	500
	Medical Aid	Robinson Mulayara	1000
	Medical Aid	Sadanathan Mylom	200
	Medical Aid	Sajeena A S	250
	Medical Aid	Shahidha Bheevi	1600
	Medical Aid	Sambu Mailom	2000
	Medical Aid	Santhosh Moozhi	1000
	Medical Aid	Sasi (Balamma)	300
	Medical Aid	Sasi Kadambanadu	3000
	Medical Aid	Sasi	200
	Medical Aid	Sahakunthala	1000
	Medical Aid	Sakunthala	7500
	Medical Aid	Sivadas Aryanad	1600
	Medical Aid	Sindhu Kidny	2000
	Medical Aid	Soman Kachani	900
	Medical Aid	Sreedevi	1500
	Medical Aid	Sunil	250
	Medical Aid	Sukumaran Kadambanadu	4000
	Medical Aid	Sureshkumar Kuthirakulam	2500
	Medical Aid	Thankaraj Aryanad	1500
	Medical Aid	Thambi	400
	Medical Aid	Velayudhan Pillai	500

	Medical Aid	Vincent Vellanadu	1200
		Vaisakh,Mailom	2000
	Medical Aid	Provision Kit 12nos	72000
<b>Education</b>	Donation	Dr. Timothys Universal Social Work And Educational Research Charitable Trust	250
	Donation	SARANYA S/O KRISHNAN KADAMBANADU	2000
	Donation	TELEVISION FOR KADAMBANAD DAY Care	9900
	Donation	Led Tv For Aruvikkara School	9900
	Donation	Dyfi Cheriyakonni For Pusthaka Vitharanam	2500
	Donation	Chg Paid Led Tv Supply	150
	Donation	O Bjp Kadambandu For Padanotsavam/2020	10000
	Donation	Dyfu Kathaloomuttam Unit For Padanotsavam	3000
	Donation	Led Tv For Aganvadi	9750
	Donation	Led Tv For Anganvadi	8262.79
<b>Road Construction</b>	Road Work	Road Work	27000
	Road work	Vellanadu-Vembannur Road	10000
<b>Infrastructure Development</b>	Donation	Sivadasan	2000
	Donation	Moly Kunju Veedu Nirmana Sahaya Fund	5000
	Donation	Imam Azheekode	7000
	Donation	Valsala House Road Bridge Work	15000

	Donation	Suni	3000
	Donation	House Work Bill No-4474	2280
	Donation	Ac Sheet Bill No-A-977	1805
	Donation	KARUNAKARAN , BINU For TRESS WORK	2500
<b>Social</b>	Donation	Cmdrf	5,00,000
	Donation	Sri Bhadrakalikhshethra Sankham	3000
	Donation	Punyam Charitable Society Andhiyorkonam	800
	Donation	Panchayath Office Post Shifting	6500
	Donation	Silent Fest-2020 All Kerala Deaf And Dumb Association	1,000.00
	Donation	Smanashanthi Bhavan Charitable Society Kottarakkara	300
	Donation	Sevana Vikas Kendra Nedumangadu	500
	Donation	Anantha Padmanapa Sena Charitable Trust	500
	For Marriage	K Gopakumar	3000
	For Funeral	Mavunilkunnavila	5000
	Donation	Onam Provision Kit	127,800
	Donation	Kseb Vellanadu	10000
	Donation	Thanal Matha Charitable Society	300
	Donation	Mahatma Charitable Samithy Cheriyakonni	2000
	Donation	Vridha Sathanam And Grama Kendra	2000
	Donation	TO AANADU JAYAN Onam Kit	10,000
	Donation	Cpi(M)Manamoor Branch - Onam Kit	5000
		<b>Total</b>	<b>1027147.79</b>

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

To demarcate the lease area, the project proponent has installed fencing around the area where lease obtained. The complete installation of barbed metal wire fencing around the mining area is with height of 4 ft. All the boundary indicators (boards, stores, markings etc) will be protected at all times and shall be conspicuous. The photograph of barbed metal wire fencing is provided in **Plate No.4**. Signboard is attached as **Plate No. 10**.

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

The alarm can intimate the general public and labours that the blasting is going to happen. As per the stipulation of Explosive department and State Environment Impact Assessment Authority the project proponent has installed warning alarms in the quarry site.

<b>11</b>	Control measures on noise and vibration prescribed by KSPCB should be implemented.	<b>Complied</b>
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**Compliance:**

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

- Proper maintenance of machinery and 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

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

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

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

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

<b>14</b>	A licensed person should supervise/control the blasting operations.	<b>Complied</b>
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### ***Compliance:***

The project proponent has appointed mining mates and mines manager 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.	<b>Complied</b>
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**Compliance:**

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

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

In a building stone quarry project, the overburden and topsoil need to extract during the time of mining, these natural resources are staked in the project site. This 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. This will be used for plantation, haulage roads and land filling in the mining area.

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

The quarrying has been carrying out as per mining plan. 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. The formation of benches is under the direction and supervision of competent person. **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 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 project proponent is using blasting mats in the mining field during blasting time. 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:**

Mining depth will not exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less. The instruction regarding to this has given to the mines manager.

20	No mining operations should be carried out at places having a slope greater than 45 <sup>0</sup> .	Noted
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**Compliance:**

There is no area seen with slope greater than 45<sup>0</sup> high in the E C obtained area. The project proponent is extracting building stone in the area where Environment Clearance and Lease is obtained.

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 will

help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. There is no crusher unit in the project site.

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

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, gloves, etc. to labours in the quarry site in order to ensure the safety of workers in working site.

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

The project proponent 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.	<b>complied</b>
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**Compliance:**

To avoid dust emission while transportation of materials, the project proponent assured the trucks were 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.	<b>Being complied</b>
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**Compliance:**

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

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

The volume of used oil is low in the industry, a major portion of used oil is using as lubricant in the project site. The execs have been giving to agencies approved by Pollution Control board.

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

Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine was fenced with barbed metal wire. Same is attached as **Plate No. 12**

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

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

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

There is no forest near to the project site.

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

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

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

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

**TABLE NO.3 – DETAILS OF APPROVALS OBTAINED**

<b>Name of the Statutory approval</b>	<b>Name of the Statutory authority</b>	<b>Approval Number &amp; Date</b>
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	

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

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

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

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

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

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

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- 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.

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

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

<b>36</b>	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	<b>Complied</b>
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	the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.	
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**Compliance:**

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

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

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

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

The details of the Environmental Clearance are displayed on metallic board in the project site. The metallic board as specified in the conditions of Environmental

Clearance order of 3 ft x 3 ft with green background and yellow letters of Times New Roman font. Photo is attached as **Plate No. 13**.

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

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

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

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 wants to expand its scope.

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

The Rain water harvesting pond in the site is working as clarifiers to prevent the quarry waste within the site. The project proponent will install additional clarifiers in the project site to prevent sediments and wastes from quarry site to enter in to the main stream.

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

The project proponent has monitored the ambient air quality as per National Ambient Air Quality Standard (NAAQS), during the time of appraisal of the project. The project proponent is intending to increase splashing of water and installation of sprinklers at loading, unloading and transfer points.

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

To prevent the soil erosion, the top soil and overburden are stacked in designated place within the project site. Only topsoil will be used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be 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.

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

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

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

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

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

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

47	Measures should be taken for control of noise levels below 85 dBA in the work environment.	<b>Being complied</b>
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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.	<b>Complied</b>
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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.	<b>Being complied</b>
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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 will open 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.	<b>Noted</b>
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**Compliance:**

The project proponent will 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.	<b>Noted</b>
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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.	<b>Noted</b>
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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.	<b>Will be complied</b>
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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.	<b>Will be complied</b>
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**Compliance:**

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

The project proponent will restrict 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.	<b>Complied</b>
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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 will 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.	<b>Noted</b>
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**Compliance:**

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

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

<b>61</b>	Occupational health surveillance programme of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	<b>Complied</b>
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**Compliance:**

The project proponent 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



Magazine



Plate No.13



EC Board

# ANNEXURE

Annexure No.1



**FLO RAZA**  
AGRO GARDEN PVT LTD  
Tel:8848938178,  
Office : First Floor Veetees Complex, Room No.5/676  
T.B.Road Perambra, Kozhikode,Kerala,India, 673525  
Nursery : Muliyangal, Perambra

No. **3627** **BILL** Date: 25/10/19  
Name & Address M/s. Travancore BLUE METALS

Sl No	Particulars	Qty	Rate	Amount
1	Ganga Bondam	20	300	6000/-
Total				6000/-

Amount in Words.....  
.....Customer Sign



**FLO RAZA**  
AGRO GARDEN PVT LTD  
Tel:8848938178,  
Office : First Floor Veetees Complex, Room No.5/676  
T.B.Road Perambra, Kozhikode,Kerala,India, 673525  
Nursery : Muliyangal, Perambra

No. **3628** **BILL** Date: 25/10/19  
Name & Address Travancore Blue Metals

Sl No	Particulars	Qty	Rate	Amount
1	Ganga Bondam	20	300	6000/-
Total				6000/-

Amount in Words.....  
.....Customer Sign

Bill of plants purchased



Annexure No.2

(धात्विय) खान 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

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

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


(केवल खुल कार्यस्थलों वाली धात्विय खानों तक सीमित)  
(Restricted to metalliferous mines having open-cast workings only)

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

SARATHI THANAPATI  
CHARDA (Name)  
of Village....., Thana..... BINKA  
District..... SONEPUR, State..... ORISSA  
born on..... SARATHI, 1937 (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  
खान परीक्षा बोर्ड  
Secretary  
Board of Mining Examinations.  
तारीख..... १९  
Date..... 08/9/19 98

अध्यक्ष  
खान परीक्षा बोर्ड  
Chairman,  
Board of Mining Examinations.




कि 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 ता०को  
भुवनेश्वर क्षेत्र  
6. On..... Director of Mines Safety ता०को  
Bhubaneswar Region

प्रकाशनापुस्तक/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 अभियंत्रिकी 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।

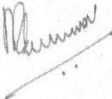
**Punnaru Murugaiyah**

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: 18<sup>th</sup> 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

07-19.03.2013  
Mata 5/10.13  
खान सुरक्षा निदेशक  
चाईबासा क्षेत्र, चाईबासा (झारखण्ड),  
श्रीम एवं गोलमार्ग प्रशासन  
भारत

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

Certificate of Foreman

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



NO. EXAM/FR/EXEMPT/ 2745/ 42 DHANBAD, DATED 30/06/08

**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: 02<sup>nd</sup> 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

*Premananda Muduli*

खान सुरक्षा निदेशक  
DIRECTOR OF MINES SAFETY  
खान सुरक्षा क्षेत्र, मर्गाओ

*07/11/2012*

निदेशक खान सुरक्षा  
DIRECTOR OF MINES SAFETY  
भारत सरकार - GOVT. OF INDIA  
गोवा क्षेत्र - GOA REGION  
पडगाव / MARGAO - 403 601  
गोवा : GOA

Certificate of Foreman



Annexure No.3

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

**Date of issue : 16/11/2017**



**KERALA STATE POLLUTION CONTROL BOARD**

**CONSENT TO**

**OPERATE/AUTHORISATION/REGISTRATION**

**ISSUED UNDER**

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

**As per Application No. :6089868**

**Dated:08-11-2017**

**TO**

**M/s TRAVANCORE BLUE METAL INDUSTRIES PRIVATE LTD**

**Cheriyakonni**

**Cheriyakonni P.O**

**Aruvikkara, Nedumangad**

**Thiruvananthapuram**

**Consent No. :PCB/TVM-DO/ICO/QRY-596/2017**

**Valid Upto :30/09/2020**

**1. GENERAL**

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	<b>VALIDITY</b>	30/09/2020
2	Name and Address of the establishment	TRAVANCORE BLUE METAL INDUSTRIES PRIVATE LTD. CHERIYAKONNI, CHERIYAKONNI P.O, ARUVIKKARA, NEDUMANGAD, THIRUVANANTHAPURAM 695013
3	Communication	Telephone :00-8086411122 Fax :-8086850850 E-mail:travancorebluemetal@gmail.com
4	Occupier Details	Suresh Kumar P.V Cheriyakonni, Cheriyakonni P.O, Aruvikkara, Nedumangad, Thiruvananthapuram
5	Local Body	Aruvikkara Panchayat
6	Survey Number	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
7	Village	Aruvikkara
8	Taluk	NEDUMANGAD
9	District	THIRUVANANTHAPURAM
10	Capital Investment(Rs in Lakhs)	228
11	Scale	Small
12	Category	RED
13	Annual fee(Rs)	Rs 20000/-
	Total Fee remitted(Rs)	Rs 70000/-
14	RAW MATERIAL	PRODUCTS
	Natural Rock @1000 Metric Tonnes	Rocks Quarrying @1000 Metric Tonnes
15	Total Power Required (HP)	NIL

**2. CONDITIONS AS PER****The Water(Prevention and Control of Pollution)Act, 1974**

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: 1000 l/D
- 2.3 Effluent generation:
- 2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

SL.NO.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent:

**3. CONDITIONS AS PER  
The Air(Prevention and Control of Pollution)Act, 1981**

3.1 Adequate air pollution control measures shall be operational at all times during the functioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm3/Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm3)
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**4. CONDITIONS AS PER  
The Environment (Protection) Act, 1986.**

4.1 The operation of the industry shall be strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.

4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

4.3.1 Activities for which Authorisation is granted

<b>Collection</b>		<b>transport</b>	
<b>Reception</b>		<b>Storage</b>	
<b>Treatment</b>		<b>Reprocessing/Disposal</b>	

4.3.2 Type, quantity and mode of storage/collection/disposal of hazardous wastes shall be as follows:

Sl.No.	Hazardous Waste	Schedule Category	Quantity Tonne/year
--------	-----------------	-------------------	---------------------

Mode of	
<b>Storage</b>	<b>Disposal</b>

4.4 E-waste shall be disposed off safely as per the E-Waste (Management)Rules, 2016.

## 5. SPECIFIC 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. The consent is granted based on Environmental Clearance (No 29/2017, Letter No 152/SEIAA/KL/3072/2013 Dated 31/03/2017 valid till 30/03/2022) and Letter from Mining and Geology No 8300/M3/2017 Dated 04/10/2017.

5.2 This consent unless withdrawn earlier shall be valid up to 30/09/2020. If the operation of the quarry is to be continued after 30/09/2020 fresh application has to be submitted through online site krocmmms.nic.in along with valid lease/permit from Department of Mining & Geology, 3 months in advance to the date of expiry of validity.

5.3. 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.

5.4 The consent issued is subject to the conditions specified in the clearances issued by the Mining and Geology Department and Explosive Department as per the provisions of the relevant statutes.

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 100 m from the nearby residences and public roads having vehicular traffic.

5.6 All the necessary control measures provided should be maintained properly to ensure that the system is adequate to control the air and water pollution caused by the functioning of the unit within the limit.

5.7 It is the responsibility of occupier to maintain minimum distance of 100m shall be maintained from the boundary of quarry operation area to existing residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.

5.8 Boundary of quarrying area shall be fenced and demarcated.

5.9 Fugitive emission from the quarry premises and road leading to quarry shall be suppressed using water sprinkling.

5.10 The suspended particulate matter (SPM) at boundary of the premises of the quarry shall not exceed the following limit applicable to that area as per the National Ambient Air Quality Standards.

a) The PM10 in ambient air at the boundary shall not exceed 100 µg/m<sup>3</sup>

b) The PM2.5 in ambient air at the 1m outside the boundary shall not exceed 60 µg/m<sup>3</sup>.

5.11 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.

5.12 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.

5.13 The sound level measured at 1.0m outside the boundary shall not exceed the limit as per the Ambient Air Quality Standards in respect of Noise.

5.14 The validity of this consent may change subjected to the order of the Honorable Supreme Court/High Court / NGT in related cases. Or the new orders issued by the government or other competent authority.

5.15 The consent issued from the Board will be valid only during the period when statutory or necessary clearances from other concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water Act, 1974, Air Act, 1981 and Rules there under. The operation of the unit shall be commenced only after obtaining clearances from all concerned authorities.



- 5.16 Quarrying operations shall be started only after obtaining the D & O license under the Kerala Panchayath Raj Act from the concerned Local Self Government Institution and submitting a copy of the same to the District Office of the Board.
- 5.17 The quarry should not be operated between 6.00 p.m. and 6.00 a.m. and Products shall be transported with proper cover and after wetting to prevent spreading of dust.
- 5.18 Quarrying area shall be restricted in the area shown in the drawing attached.
- 5.19 Arrangement for rain water harvesting in the unit shall be done within one month for meeting the entire water requirement of quarry and crusher (in case of adjoining unit) and the same shall be reported in writing.
- 5.20 Suitable species of trees shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.
- 5.21 This consent may be granted on the basis of affidavit and other documents furnished by the applicant. Any of the statement or information found to be false, the consent issued will withdraw /cancelled.

DATE :16/11/2017

**Biju .B**

ENVIRONMENTAL ENGINEER,  
THIRUVANANTHAPURAM

Digitally signed by Biju .B  
Date: 2017.11.16 18:01:55 +05'30'




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](http://krocmmms.nic.in) and search using name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management & Monitoring System

## Annexure No.4



सत्यमेव जयते

Validity expires on 30/03/2022

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

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

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

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**STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY**

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

Read:-

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

**Environmental Clearance No 29/2017**

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

1

Copy of Environmental Clearance





## Annexure No. 5

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

अनुज्ञप्ति सं. (Licence No.) : E/SC/KL/22/1215(E58077)  
वार्षिक फीस रूपर (Annual Fee Rs): 2400/-

1. Licence is hereby granted to  
**Shri.M/S Suresh Kumar.P.V. (अधिभोगी / Occupier : Shri Suresh Kumar.P.V.), Director, Travancore Blue Metal Industries Pvt Ltd Thekkemala-Mylom, CheriyaKonni Post, Thiruvannanthapuram District-695013, Kerala., Town/Village CheriyaKonni. District-THIRUVANANTHAPURAM, State-Kerala, Pincode - 695013**

को अनुज्ञप्ति अनुदत्त की जाती है।

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

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

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

क्र. सं. (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 अनुज्ञप्ति के लिए] : **20 times as above.**

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

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्त 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. अनुज्ञप्त 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, Thiruvannanthapuram District, थाना (Police Station) : Nedumangad जिला (District) THIRUVANANTHAPURAM राज्य (State) Kerala पिनकोड (Pincode) 695013 दूरभाष (Phone) 09447178279 ई.मेल (E-Mail) फेक्स (Fax)**

7. अनुज्ञप्त परिसर में निम्नलिखित सुविधाएं अंतर्भूत 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. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।  
The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2004 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.
- अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति 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 उपबर्णित इस अनुज्ञप्ति की शर्तों का अधिग्रहण करने या यदि अनुज्ञप्त परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाते पर निलंबित या प्रतिसंहत की जा सकती है, जहां वह लागू हो।  
This licence is liable to be suspended or revoked for any violation of the Act or Rules framed there under or the conditions of this licence as set forth under Set VIII, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and Annexure attached hereto.

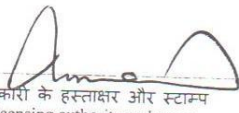
तारीख | The Date - 29/04/2011

Sd-  
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


नवीनीकरण के पृष्ठानक के लिए स्थान  
Space for Endorsement of Renewal

नवीनीकरण की तारीख (Date of Renewal)	समाप्ति की तारीख (Date of Expiry)	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प (Signature of licensing authority and stamp)
16/03/2016	31/03/2021	 Dy. Chief Controller of Explosives, Ernakulam कुल उप-मुख्य विस्फोटक नियंत्रक For Deputy Chief Controller of Explosives

Copy of Explosive

Annexure No. 6


12

  
 തീയതി : 28/04/2020  
 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.ജി. സുരേഷ്കുമാർ, ചെമ്മൂട്, വേലായുധൻ ബ്ലോക്ക് ഉൻഡർട്രീൻ ഓഫീസ്, ചിറ്റാട്ടി.	
സ്ഥാപനത്തിന്റെ പേരും മേൽവിലാസവും	വേലായുധൻ ബ്ലോക്ക് ഉൻഡർട്രീൻ ഓഫീസ്, ചിറ്റാട്ടി.	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പൊതുവെ നടത്തുന്നു.	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡു നമ്പരും	54.010.229/1,13,9,9-1 234/10,234/3-6,8-2,9-1,238/12 238/13-2, 16-2,17-2,240/7,7-1,7-2,8-11,241/1-1,2,2 241/4-8, 241/8-1,9-1,10,12-16,12-17(241)241/12-2,13-1, 241/12-2,242/4-2,4-3,5-8,245/4-6,6-1,6-2, 245/11,245/13,245/18,245/17,245/12,245/12,245/6-3,6-4.	
ലൈസൻസ് കാലയളവ്	28/04/2020 മുതൽ 31/03/2021 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	രൂപ	രസീത് നമ്പർ
	1,500/-	120150100099 28/04/2020
തൊഴിൽ നികുതി	10,500/- + 2500 = 13000/-	
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	1) പാരിസ്ഥിതികമായി (No. 152/SEI/PA/K.L./302/2013) 31/03/2019 2) മെമ്മോറാണ്ടം (Valid-2/2/2017) 31/03/2019 3) മെമ്മോറാണ്ടം നൽകുന്ന കേൾപ്പൽ (P.C.B/TUM-00/100/099-1/228/2012) 02/02/2019 4) മെമ്മോറാണ്ടം നൽകുന്ന കേൾപ്പൽ (E/5017/06/30/01/2019)	

ഓഫീസ് മുദ്ര  സെക്രട്ടറി  
 അരുവിക്കര ഗ്രാമപഞ്ചായത്ത്

Copy of license from Gram Panchayat



Annexure No.7

Nos 3898/1/2010 5

**भारतीय गैर न्यायिक**  
**एक सौ रुपये** **Rs 100**  
**ONE HUNDRED RUPEES**  
**INDIA NON JUDICIAL**

I have satisfied myself that the verification of original of this deed request stamp duty of Rs. 9796 has been adjudicated and realized.

23rd November 2010

H 639847

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

This indenture made this the 04<sup>th</sup> October 2010 day of 04<sup>th</sup> October 2010 between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and Shri M.A.Sakkir Hussain, Director, M/S Travancore Blue Metal Industries (P) Ltd,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.

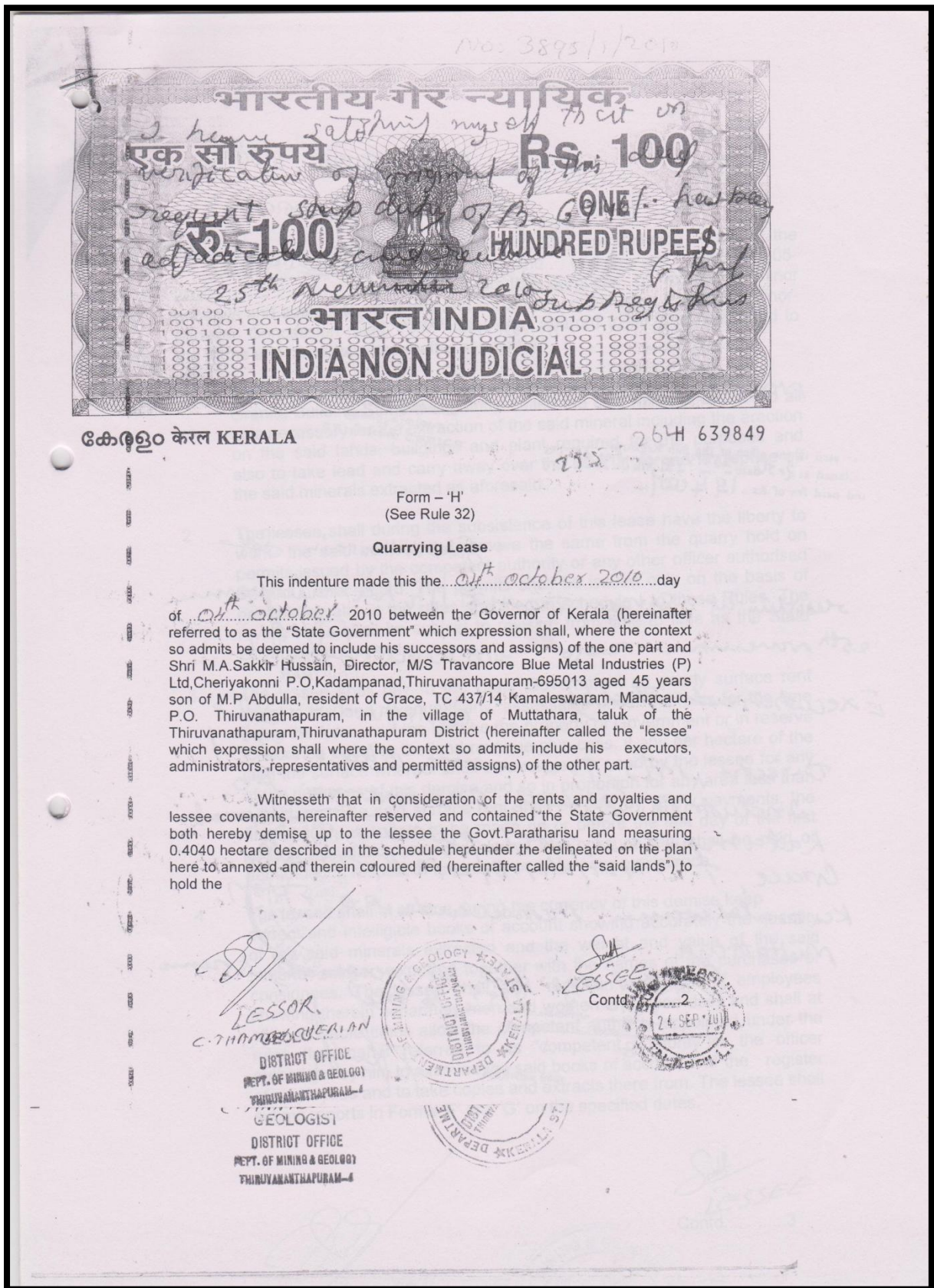
Witnesseth that in consideration of the rents and royalties and lessee covenants, hereinafter reserved and contained the State Government both hereby demise up to the lessee the Govt.Paratharisu land measuring 0.5983 hectare described in the schedule hereunder the delineated on the plan here to annexed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

LESSOR  
C. THAMBAL CHERIAN  
GEOLOGIST  
DISTRICT OFFICE

LESSEE  
Contd. 2  
24 SEP 14 10

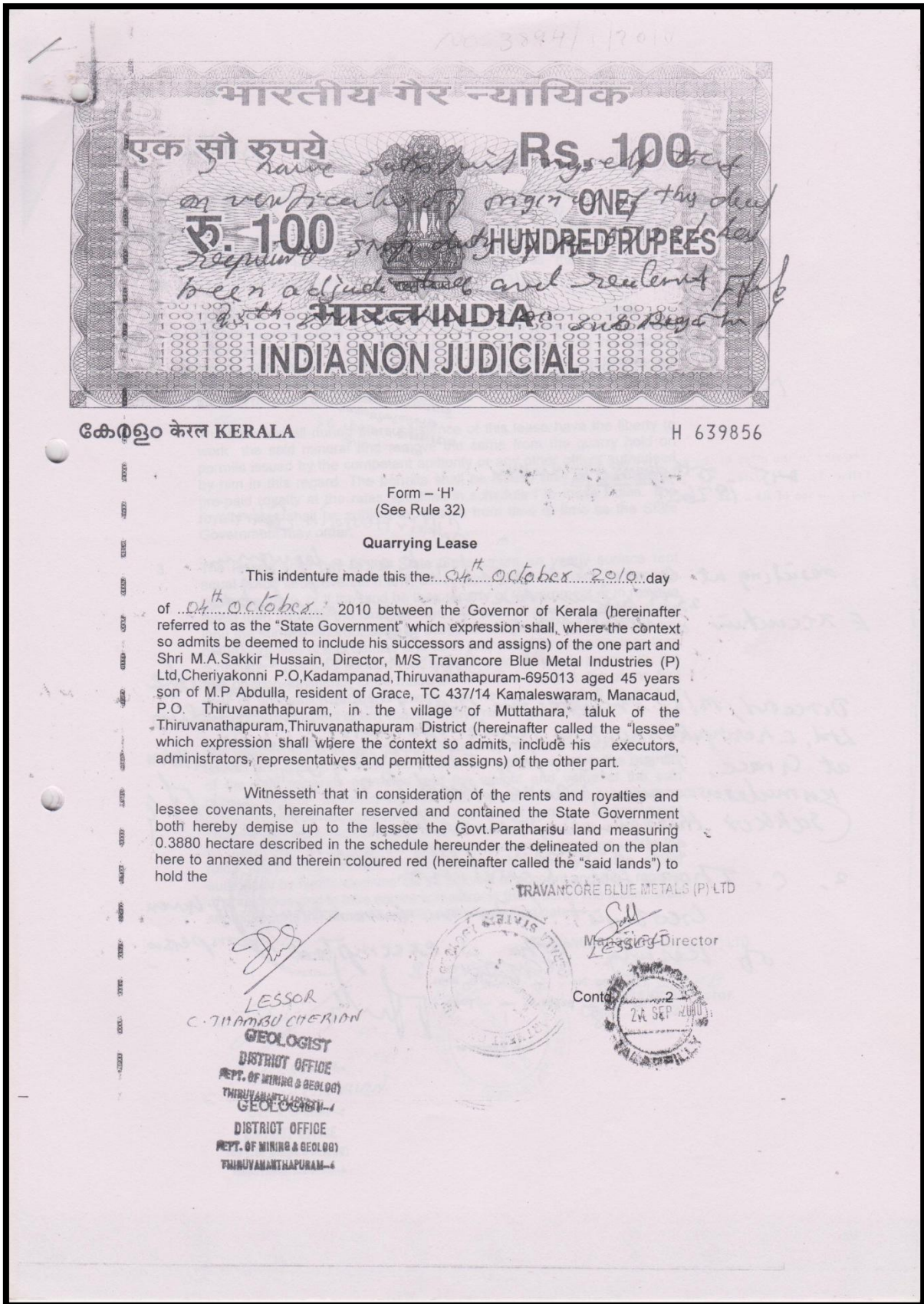
Copy of lease





Copy of lease





Copy of lease



No, 2993/1/2010

केरल KERALA C 712722

Form – 'H'  
(See Rule 32)

Quarrying Lease

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

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

*R. Gopakumar*  
R. Gopakumar  
Geologist

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

Copy of lease



Adjudication Certificate Under Section 32 of Kerala Stamp Act 1959 488  
2018 To the District Registrar 12-1200/18  
(G.I.) 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 amount of Rs. 500/- **FIVE HUNDRED**  
**RUPEES** *Sub Registered*

**पाँच सौ रुपये**  
**Rs. 500**

**INDIA NON JUDICIAL**

F 937501

Form H  
(see Rule 43)  
**QUARRYING LEASE**

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

Lessor *[Signature]* Lessee *[Signature]*

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

**DEPARTMENT OF REVENUE  
DISTRICT OFFICE  
THIRUVANANTHAPURAM**

**DISTRICT REGISTRAR (GLY) COLLECTOR**  
**27 FEB 2018**



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

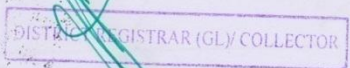
**M/s TRAVANCORE BLUE METAL INDUSTRIES PVT. LTD**, having its office at Kadambanad, CheriyaKonni P.O, Thiruvananthapuram District - 695 013 (Represented herein by its Director, **SURESH KUMAR** (holder of Aadhar card No. 9365 5194 5619), S/o Sreedharan Nair, aged 46 years, residing at Palakkavil House,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

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

Lessor



Lessee



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

**EDUCATION MART**  
EXCLUSIVE IAS/IPS GS ECONOMY  
REGULAR AND WEEKEND CLASSES  
DEVELOPMENT OF THOUGHTS  
Ph: 9539019861

**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, 234/1R, 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, 241/12-15, 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.seiaa.kerala.org

**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 03-24 Ares from the 04.10 Ares in Re.Sy.No. 91 of Changanacherry village owned by Smitha Sebin, Thengumpallyil, Puzhavathu, Changanacherry. Title holder states that original Prior Deed 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.

**ARRANGEMENTS**  
WEDDING CARDS & Printing Valavi & Company Broadway, Ekm. Ph:2353765.

**TENDERS**  
Arunachalam Institute for Home Science and Higher Education for Women  
(Deemed University under Category 'A' by MHRD)  
Re-accredited with 'A' Grade by NAAC

**TENDER NOTIFICATION**  
Tenders are invited under sealed cover from manufacturer/authorized firms for the procurement and installation of... (text partially obscured)

**OFFICE EQUIPMENT**  
ID CARD, Lacer, Laminators, Paper Shredders, Valavi. Ph.2353765

**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 in front of Glide Path Antenna for Runway 07 at Changanacherry 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 on 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 from registered contractors of Public Works Department or other Government Departments with current valid registrations for the following work:

- The work of construction of retaining wall of departmental production unit at Perayam, Trivandrum Dist.

Estimate No: 324384.00  
Estimate Value: 8200.00  
Period of completion: 90 days  
Date of tender schedule: 6.50 p.m. 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 at 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 schedule closes 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, Cheriyakanni P.O., Thiruvananthapuram - 695 013.  
Phone: 0472-2888080, 2888050, 2888030.  
E-mail: travancorebluemetal@gmail.com

**നോട്ടീസ്**

പൊതുജനശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, തിരുവനന്തപുരം ജില്ല, തൊട്ടുപുഴ താലൂക്ക്, അരുവിക്കര പഞ്ചായത്തിലും, അരുവിക്കര റീട്ടേജിംഗ് ലുപ്ത സ്റ്റേഷൻ 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, 241/13-2, 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.seiaa.kerala.org

**കേരള സംസ്ഥാന ഭാഗ്യകളരി**

ഫോൺ: ഖരദാർശി 0471-2305230, ഖരദാർശി 2305193 ഖരദാർശി 2301740  
www.kerala.gov.in www.keralalotteries.com

**നിർമ്മൽ NR-17 നറുക്കടവുക്ക് ഫലം 12-05-2017**  
ശ്രീമതി (വ) ഫോറം, പഴയങ്ങാടി, തിരുവനന്തപുരം

**നമ്പർ നമ്പരം**  
1 കോടി NB 828541 (പത്തനംതിട്ട)

NA 828541	NC 828541	ND 828541	NE 828541
NA 828996 (പത്തനംതിട്ട)	NC 437981 (പത്തനംതിട്ട)	ND 610062 (കണ്യാശ്ശി)	NE 463424 (തൃശ്ശൂർ)
NA 472195 (തൃശ്ശൂർ)	NC 537043 (തിരുവനന്തപുരം)	ND 554673 (കോട്ടയം)	NE 727417 (കോഴിക്കോട്)
NA 374856 (തിരുവനന്തപുരം)	NC 740115 (തിരുവനന്തപുരം)	ND 554673 (കോട്ടയം)	NE 727417 (കോഴിക്കോട്)

भारत सरकार / GOVERNMENT OF INDIA, अंतरिक्ष विभाग  
विक्रम सारभाई अंतरिक्ष केंद्र / VIKRAM SARABHAI  
हमारा निष्पत्ति निर्माण एवं अनुसंधान प्रभाग, सौर्ययान/CONSTRUCTION AND  
RESEARCH DIVISION / THIRUVANANTHAPURAM  
(फोन नं. / Ph. No. 0471-256517)

**ई-निविदा आमंत्रित करते हुए संक्षिप्त सूचना/BRIEF NOTI**

भारत के राष्ट्रपति की ओर से निम्नलिखित कार्यों के लिए ई-टेंडरिंग द्वारा ऑनलाइन च  
behalf of the President of India, online item-rate tenders are invited through

कार्य का नाम / Name of the Work

सिविल कार्य / CIVIL WORKS  
एनआइटी सं. वीएसएससी/सीएमडी-सीपीएच/सीएस/4555/06231/2017  
NIT No: VSSC/CMD-CPH/CS/4555/06231/2017  
एनएलसी, वीएसएससी, तुंगा के वीएससी श्रीठाकुर के करप छत रिवाज सुधार कार्य

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

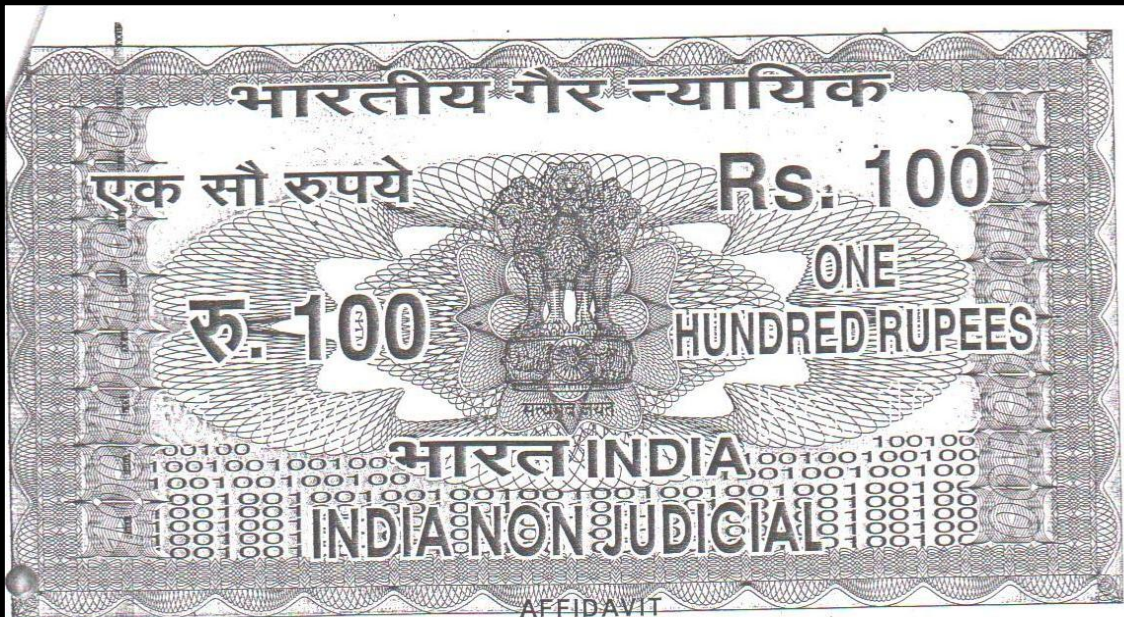
KREWS (GLM, KANJIKODE) 2014

Cheques are subject to realisation

Acknowledgment from Gram Panchayat



Annexure No.10



**കേരളം കേരള KERALA** **BN 73203**

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

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

**DEPONENT**

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

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

**NOTARY**  
SURENDAR V.P.  
ADVOCATE & NOTARY  
DISTRICT JURISDICTION  
VANDUVAZHI

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

Copy of Affidavit

## Annexure No.11

**TEST REPORT**

Test Report No: 20200617/R142	Date: 22.06.2020	Page 1 of 1
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CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District	
Location of Site	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	
Customer Reference	---		
SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	20200617/S142
Location of Monitoring	Near East Side Boundary	Sampled by	By Laboratory
Date of Monitoring	17.06.2020	Test Started on	18.06.2020
Sample Received on	18.06.2020	Test Completed on	22.06.2020
Humidity	75 %	Sampling Procedure	IS 5182 Part V & XIV

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM <sub>10</sub> )	IS 5182 Part 23: 2006 RA 2017	µg/m <sup>3</sup>	38.7	100 (Max)
02	Particulate matter (PM <sub>2.5</sub> )	EPA 40 CFR Part 50 Appendix - L	µg/m <sup>3</sup>	19.6	60.0 (Max)
03	Sulphur dioxide (SO <sub>2</sub> )	IS 5182 Part 2: 2001 RA 2017	µg/m <sup>3</sup>	< 2.00	80.0 (Max)
04	Nitrogen dioxide (NO <sub>2</sub> )	IS 5182 Part 6: 2006 RA 2017	µg/m <sup>3</sup>	< 2.00	80.0 (Max)

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

For and on behalf of  
Standard<sup>s</sup> Environmental & Analytical Laboratories

Authorized Signatory  
**Kaji P. N.**

Standard<sup>s</sup> Environmental & Analytical Laboratories Laboratory Head

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB  
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43  
Web: www.sealabs.in, E-mail: seaalab@gmail.com

Result of Air



## Annexure No.12

**TEST REPORT**

Test Report No: 20200617/R143	Date: 22.06.2020	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District
Location of site	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
Customer Reference	---	

SAMPLE DETAILS	
Source of sample	Ambient Sound Level
Sample Code	20200617/S143
Location of Monitoring	Near East side Boundary
Date of Monitoring	17.06.2020

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	36.8 dB (A)	23.00 Hrs	36.2 dB (A)
07.00 Hrs	39.4 dB (A)	00.00 Hrs	35.9 dB (A)
08.00 Hrs	43.6 dB (A)	01.00 Hrs	36.6 dB (A)
09.00 Hrs	47.0 dB (A)	02.00 Hrs	36.2 dB (A)
10.00 Hrs	49.3 dB (A)	03.00 Hrs	36.9 dB (A)
11.00 Hrs	52.3 dB (A)	04.00 Hrs	35.9 dB (A)
12.00 Hrs	49.6 dB (A)	05.00 Hrs	37.6 dB (A)
13.00 Hrs	48.9 dB (A)	RESULTS	
14.00 Hrs	49.3 dB (A)		
15.00 Hrs	49.6 dB (A)	Noise Level (Leq) Daytime	47.7 dB (A)
16.00 Hrs	50.8 dB (A)		
17.00 Hrs	51.2 dB (A)		
18.00 Hrs	45.9 dB (A)		
19.00 Hrs	42.4 dB (A)		
20.00 Hrs	38.7 dB (A)	Noise Level (Leq) Nighttime	36.2 dB (A)
21.00 Hrs	38.2 dB (A)		
22.00 Hrs	35.6 dB (A)		

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

For and on behalf of  
Standard<sup>s</sup> Environmental & Analytical LaboratoriesAuthorized Signatory  
**Laju P. N.**  
Laboratory HeadStandard<sup>s</sup> Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2017 &amp; "A" Grade Laboratory of KSPCB

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

## Result of Noise

## Annexure No.13

**TEST REPORT**

Test Report No: 20200617/R144	Date: 22.06.2020	Page 1 of 1
-------------------------------	------------------	-------------

**CUSTOMER DETAILS**

Customer Details	Name & Address	M/s Travancore Bluemetal Industries Pvt Ltd Aruvikkara, Nedumangad, Thiruvananthapuram District	
Location of site	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	
Customer Reference	---		

**SAMPLE DETAILS**

Sample Code	20200617/S144	Sample Received on	18.06.2020
Sample Name	Water	Sampling Procedure	---
Sample Description	Open Well	Sampling Location	---
Identification by Customer	---	Sample Condition	Good
Sampled on	---	Test Started on	18.06.2020
Sampled by	Customer	Test Completed on	22.06.2020

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2017	---	Agreeable	Agreeable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	0.30	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	6.89	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2013	µS/cm	108	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	70.0	500 (Max)
07	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 21:2009 RA 2014	mg/L	30.3	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	7.27	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	2.95	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	18.9	250 (Max)
11	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 Part 23:1986 RA 2014	mg/L	17.9	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.18	1.00 (Max)
13	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2014	mg/L	1.00	200 (Max)
14	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
15	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

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

For and on behalf of  
Standard<sup>s</sup> Environmental & Analytical Laboratories

Authorized Signatory  
**Laju P. N.**  
Laboratory Head

**Standard<sup>s</sup> Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2017 &amp; "A" Grade Laboratory of KSPCB

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

## Result of Water



Annexure No.14

MARGIN FREE SUPERMARKET  
SALIM ARCADE VALICCODE JN.  
NEDUMANGADU  
Phone No : 0472-804960,0472-804960

GST No : 32BNGPM7478EZZJ No : 10709  
To: Date : 17-09-2020

SIMRP	Particulars	Qty	Rate	GST%	GST	Amount
1	850:000NAM PROVISION KIT*	2.000	750.00	0.00	0.00	1500.00
Round Off :						0.00
Grand Total :						1500.00
You Saving :		200.00	Disc :		0.00	Net Amt : 1500.00
SHND US 09:52:47						
IF YOU HAVE ANY COMPLAINT PLEASE CALL 9995073655,9037172700 VERIFY THE BILL LEAVING THE SHOP THANK YOU VISIT AGAIN !						

MARGIN FREE SUPERMARKET  
SALIM ARCADE VALICCODE JN.  
NEDUMANGADU  
Phone No : 0472-804960,0472-804960

GST No : 32BNGPM7478EZZJ No : 100  
To: Date : 30-08-20

SIMRP	Particulars	Qty	Rate	GST%	GST	Amount
1	1050:000NAM PROVISION KIT*	142.000	900.00	0.00	0.00	127800.00
Round Off :						0.00
Grand Total :						127800.00
You Saving :		21300.00	Disc :		0.00	Net Amt : 127800.00
SHND US 07:13:14						
IF YOU HAVE ANY COMPLAINT PLEASE CALL 9995073655,9037172700 VERIFY THE BILL LEAVING THE SHOP THANK YOU VISIT AGAIN !						

TRAVANCORE BLUE METAL INDUSTRIES PVT  
LTD  
CHERIYAKONHI.P.O. TVM-13. KERALA. CODE:132

PAYMENT VOUCHER


Voucher No 12837 Date 11/09/2020

Account Head: CSR EXPENSES

Being : CASH PAID TO K GOPAKUMAR FOR HIS DAUGHTER MARRIAGE

Amount in Rupees 3000.00

pees Three Thousand Only

Prepared By  Cashier Receiver's Signature



GOVERNMENT OF KERALA

No 36528/Funds-2/18/Fin

Finance Fund Department  
Thiruvananthapuram  
Dated 05-05-2020

From:

Additional Chief Secretary(Finance)  
Govt. Secretariat,  
Thiruvananthapuram..

To:

TRAVANCORE BLUE METAL INDUSTRIES (P) LTD,

Sir/Madam,

**Sub : Contribution received towards Chief Minister's Distress Relief Fund - Receipt Forwarding- Reg.**


Please find enclosed receipt for your valuable contribution towards Chief Minister's Distress Relief Fund vide your No 685530 for ₹. 500000 /- (Rupees Five Lakh only)

**Thanking you**

Yours faithfully

Additional Chief Secretary(Finance)

Encl Receipt No C3312801 dated 05-05-2020 for ₹. 500000 /-


 Branch : ARUVIKKARA  
 SHOPPING CENTRE ARUVIKKARA, THIRUVANANTHAPURAM, KERALA - 695564  
 IFS CODE: IDIB000A070

VALID FOR THREE MONTHS ONLY  
 23 09 20 20  
 D D M M Y Y Y Y

PAY AJITH . K. या धारक को OR BEARER

RUPEES रुपये SEVEN THOUSAND FIVE HUNDRED ONLY -

अदा करें ₹ 7500/-

खा.सं. / A/c No. CA 6115067532


FOR TRAVANCORE BLUE METAL INDUSTRIES P LTD

CBS Code: 998

992000002 "Payable At Par At All Our Branches"

AUTHORIZED SIGNATORY  
 Please sign above

\*781485\* 695019081: 067532\* 29


 Branch : ARUVIKKARA  
 SHOPPING CENTRE ARUVIKKARA, THIRUVANANTHAPURAM, KERALA - 695564  
 IFS CODE: IDIB000A070

VALID FOR THREE MONTHS ONLY  
 25 08 20 20  
 D D M M Y Y Y Y

PAY AJITH . K. या धारक को OR BEARER

RUPEES रुपये SEVEN THOUSAND FIVE HUNDRED ONLY -

अदा करें ₹ 7500/-

खा.सं. / A/c No. CA 6115067532


FOR TRAVANCORE BLUE METAL INDUSTRIES P LTD

CBS Code: 998

992000002 "Payable At Par At All Our Branches"

AUTHORIZED SIGNATORY  
 Please sign above

\*879882\* 695019081: 067532\* 29


 Branch : ARUVIKKARA  
 SHOPPING CENTRE ARUVIKKARA, THIRUVANANTHAPURAM, KERALA - 695564  
 IFS CODE: IDIB000A070

VALID FOR THREE MONTHS ONLY  
 30 06 20 20  
 D D M M Y Y Y Y

PAY VINOD या धारक को OR BEARER

RUPEES रुपये FIVE THOUSAND ONLY -

अदा करें ₹ 5000/-

खा.सं. / A/c No. CA 6115067532

FOR TRAVANCORE BLUE METAL INDUSTRIES P LTD

CBS Code: 998

992000002 "Payable At Par At All Our Branches"

AUTHORIZED SIGNATORY  
 Please sign above

\*879824\* 695019081: 067532\* 29

Bill copies of CSR Activities



## 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
	<b>Total</b>		<b>7 nos</b>			<b>₹ 48,000.00</b>

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

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

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

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

Customer's Seal and Signature

for Sungrid Technologies  
Authorised Signatory

This is a Computer Generated Invoice



(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 Splarphotovoltaic 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						<b>3 nos</b>	<b>₹ 15,150.00</b>

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

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

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

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

Customer's Seal and Signature \_\_\_\_\_

for Sungrid Technologies  
Authorized Signatory

This is a Computer Generated Invoice

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

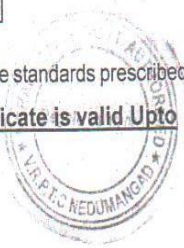
  

Flush and Cycle						
Ava.	RPM Min.	RPM Max.	Temp.			
647                      1704                      91						
S.No.	RPM Min.	RPM Max.	K m <sup>-3</sup>	HSU %	Temp.	
1	627	1764	1.68	51.5	91	
2	646	1754	1.26	42.0	91	
3	632	1812	0.84	30.4	91	
4	640	1704	1.47	47.0	91	
5	640	1838	1.41	45.5	91	
6	643	1910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

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






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**

**V.R. POLLUTION TESTING CENTRE**

11th Stone, Near LIC Office, Nedumangad,  
TVM., Kerala, Ph : 0472 - 2803540

Licence No : D1 / 1 / 2000

06/Aug/2017



(Signature)  
(Name of Authorised signatory)

Copy of PUC Certificate



Annexure No.17

Minutes of the monthly meeting for the month September 2020 by Environmental Monitoring Cell of Travancore Blue Metal Ind(P)Ltd Held on 05.09.2020 at their office at Kadambanad.

Present Members.

- |                          |            |                    |
|--------------------------|------------|--------------------|
| 1. Saifudheen P.Y.       | Director.  | <i>Saifudheen</i>  |
| 2. Meeragaiah            | Conveenor. | <i>Meeragaiah</i>  |
| 3. Satheshchandran.R     | Member     | <i>Sathesh</i>     |
| 4. Apubakkar             | "          | <i>Abubakar</i>    |
| 5. Sreejith A.S.         | "          | <i>Sreejith</i>    |
| 6. Sudeesh. T.S          | "          | <i>Sudeesh</i>     |
| 7. Mohanan. D            | "          | <i>Mohanan</i>     |
| 8. Robichan              | "          | <i>Robichan</i>    |
| 9. Vineeth.m.            | "          | <i>Vineeth</i>     |
| 10. Viswanathan Nair - J | "          | <i>Viswanathan</i> |
| 11. Sasikumar. N.        | "          | <i>Sasikumar</i>   |

EMC Director (ശാസ്ത്രജ്ഞനായി) നമ്പിൻ 10 മണിക്ക് കമ്മിറ്റി വിളിപ്പിച്ചിരുന്നതിൽ പങ്കെടുക്കാൻ കഴിയാതെ പോയി. 2 മണിക്ക് വിളിപ്പിച്ചതിൽ EMC നമ്പിൻ മാത്രം Mr. Viswanathan Nair ന്റെ സാന്നിധ്യം ആണ് ഉണ്ടായിരുന്നത്. മറ്റ് പേരുകൾക്ക് സമയം കഴിഞ്ഞു പോയിട്ടുണ്ട്. പേരിൽ എഴുതിയിട്ടുണ്ട്.

1. Lease Area ഉൾപ്പെടെയുള്ള Fencing Postകളിൽ ഉൾപ്പെടെയുള്ള വയലിലെ പെട്ടെന്ന് വെട്ടിക്കളയാൻ എല്ലാവർക്കും, സമയപരിധിയിലെ Fencing Postകൾ ഉൾപ്പെടെയുള്ളവർക്ക് പേരിൽ എഴുതിയിട്ടുണ്ട്.
2. Quarry ഉൾപ്പെടെയുള്ള സമീപത്തുള്ള Signal Boardകളിൽ ഉൾപ്പെടെയുള്ളവർക്ക് പേരിൽ എഴുതിയിട്ടുണ്ട്. പേരിൽ എഴുതിയിട്ടുള്ളവർക്ക് പേരിൽ എഴുതിയിട്ടുണ്ട്.
3. Blasting ന്റെ കൃത്യമായ Blasting material കൃത്യമായി ഉപയോഗിക്കാൻ പേരിൽ എഴുതിയിട്ടുണ്ട്. Blasting - (P.T.O)