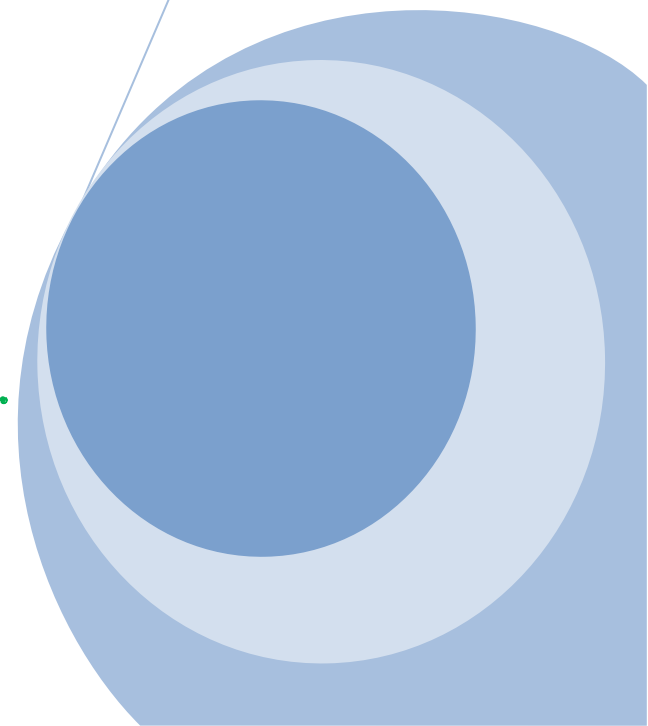


# **COMPLINACE REPORT**

**OCTOBER 2016 – MARCH 2017**

**NELLIKUNNU GRANITE & CRUSHER PVT.LTD.**

**KOZHIKODE , KERALA**



## **NELLIKKUNNU GRANITE & CRUSHER PVT LTD**

**Vatakara Taluk Maruthonkara -Village,Vannathichira Post Pin 673513**

Dt. 12. 01. 2018

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

Ref :- File No . **539/SEIAA/EC4/3882/2014**

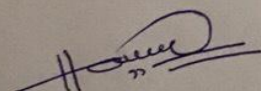
Sub:- **Environment Clearance-Quarry project** at Maruthonkara Village, Maruthonkara Panchayath, Vatakara, Kozhikode District, Kerala-Compliance Report-**Second half -Reg.**

**Respected Sir,**

The Quarry (Building stone) project was accorded Environmental Clearance for 7.8991 ha. by order No. 539/SEIAA/EC4/3882/2014 dated 11-12-2015 by state Environmental Impact Assessment Authority, Kerala. The compliance reprot of Second half(October 2016-March 2017) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,



Mr. Hameed Cheruveri  
M/s Nellikkunnu granite & Crushers Pvt . Ltd

**Encls: As above**

Copy to: The Chairman & The Member Secretary  
State Environment Impact Assessment Authority(SEIAA)  
'Devi Kripa', Pallimukku  
Pettah PO, Thiruvananthapuram  
Kerala -695 024

**COMPLIANCE REPORT**

**TO**

**THE CONDITIONS**

**OF**

**ENVIRONMENTAL CLEARANCE ORDER**

**NO: 539/SEIAA/EC4/3882/2014**

**DATED 15.12.2015**

***BY***

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

**FOR**

**BUILDING STONE QUARRY**

**(MINOR MINERAL MINING) PROJECT**

***AT***

**SURVEY NO. 523/1PART, 571/1PART & 567 PART**

**MARUTHONKARA VILLAGE, MARUTHONKARA PANCHAYAT, VTAKARA,**

**KOZHIKODE DISTRICT, KERALA.**

***BY***

**NELLIKKUNNU GRANITE & CRUSHERS PVT. LTD,**

**KOZHIKODE DISTRICT, KERALA.**

## **INDEX**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Page No.</b>
<b>1.</b>	Introduction	<b>08</b>
<b>2.</b>	Brief of the project	<b>09</b>
<b>3.</b>	Compliance Report – Specific conditions – Part A	<b>10</b>
<b>4.</b>	Compliance Report – General conditions – Part B	<b>13</b>
<b>5.</b>	Plates	<b>32</b>
<b>6.</b>	<b>Annexure</b>	<b>44</b>

## **LIST OF TABLES**

<b>Table. No.</b>	<b>Particulars</b>	<b>Page No.</b>
<b>1.</b>	Environmental Monitoring Cell (EMC)	<b>14</b>
<b>2.</b>	Details of the vegetation existing along the road side	<b>15</b>
<b>3.</b>	Details of saplings planted as part of eco - restoration	<b>17</b>
<b>4.</b>	Details of performed activities under CSR	<b>18</b>
<b>5.</b>	Details of statutory approvals	<b>26</b>
<b>6.</b>	<b>Details of advertisement published in news papers</b>	<b>29</b>



## **LIST OF PLATES**

<b>Plate No.</b>	<b>Particulars</b>	<b>Page No.</b>
<b>1.</b>	Retaining wall	<b>33</b>
<b>2.</b>	Photograph showing the Tree saplings and shrubs planted in the project site	<b>33</b>
<b>3.</b>	Photograph showing fencing for Rain Water Harvesting Pond	<b>34</b>
<b>4.</b>	Photograph of the avenue trees planted along the road side	<b>34</b>
<b>5.</b>	Photograph of solar street light	<b>35</b>
<b>6.</b>	Photograph showing the sprinkler installed in the project site	<b>35</b>
<b>7.</b>	Photograph showing CSR activity	<b>36</b>
<b>8.</b>	Photograph showing Barbed Metal wire fencing in the project site.	<b>38</b>
<b>9.</b>	Photograph showing warning alarm installed in the project site	<b>38</b>
<b>10.</b>	Photographs showing the tarred access road to the project site	<b>39</b>
<b>11.</b>	Photograph showing the stacked overburden / top soil.	<b>39</b>
<b>12.</b>	Photographs showing the benches system in the quarry site.	<b>40</b>
<b>13.</b>	Photograph showing the crusher unit in the project site.	<b>40</b>
	Photograph of workers with personal protective equipments (PPE) during quarrying operations.	<b>41</b>
<b>14.</b>	Drainage	<b>41</b>
<b>15.</b>	Photographs (showing the covered trucks during transportation of minerals.	<b>42</b>
<b>16.</b>	Photograph showing the magazine (Explosive storage area)	<b>42</b>
<b>17.</b>	<b>Photograph of EC Board</b>	<b>43</b>

## **LIST OF ANNEXURES**

<b>Annexure No.</b>	<b>Particulars</b>	<b>Page No.</b>
<b>1.</b>	Copy of the invoice on the expenses incurred in purchase of plants for eco-restoration	<b>45</b>
<b>2.</b>	Copy of bill of solar street light	<b>46</b>
<b>3.</b>	Copy of the receipts of the expenses incurred towards CSR activities	<b>47</b>
<b>4.</b>	Copy of the receipts of the expenses incurred towards fencing	<b>49</b>
<b>5.</b>	Copy of the certificate of Short firer	<b>50</b>
<b>6.</b>	Copy of the bill purchased for PPE	<b>51</b>
<b>7.</b>	Copy of Environmental Clearance	<b>52</b>
<b>8.</b>	Copy of the “ <i>Consent to Operate</i> ” from Kerala State Pollution Control Board (Renewal)	<b>53</b>
<b>9.</b>	Copy of Explosive License issued by the Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	<b>54</b>
<b>10.</b>	Copy of License for quarry operations from <i>Gram</i> Panchayath	<b>55</b>
<b>11.</b>	Copy of permit order form Director of Mining and Geology	<b>56</b>
<b>12.</b>	Copy of advertisement in newspaper	<b>57</b>
<b>13.</b>	Copy of Acknowledgement from received Gram Panchayat	<b>58</b>
<b>14.</b>	Copy of foreman	<b>59</b>
<b>15.</b>	Copy of Mining mate	<b>60</b>
<b>16.</b>	Copy of blaster	<b>61</b>
<b>17.</b>	Copy of Air	<b>62</b>
<b>18.</b>	Copy of water	<b>63</b>
<b>19.</b>	<b>Copy of sound</b>	<b>64</b>

## **INTRODUCTION**

M/s Nellikkunnu granite & crushers Pvt. Ltd, is situated at survey Nos. 523/1part, 571/1part & 567 part at Maruthonkara village, Maruthonkara Panchayat, Vatakara, Kozhikode District, Kerala. The quarry project was accorded with the environmental clearance (EC) by state environmental impact assessment authority on 15-12-2015.

The half yearly compliance report needs to be submitted as part of general condition No.37 of Environmental Clearance order by the project proponent. The compliance report to the specific conditions and general conditions of the Environmental Clearance for the period of October 2016 – March 2017 is being submitted.

## **SALIENT FEATURES OF THE PROJECT**

The project comes under Category B, Activity 1 (a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M No. L-11011/47/2011-IA.II (M) dated 18<sup>th</sup> May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M No. J-13012/12/2013-IA-II (I) dt.24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

Geographical location of the project site is in 11° 39' 03.17" N to 11° 38' 53.42" N and 75° 49' 42.25" E to 75° 49' 25.16" E. The land use classification as per revenue records is rocky land with private own land. The present land use is rocky land with quarrying activities. The quarry is interlinked with a Crusher unit located within the complex. The exploitation of mineral is being done from 171 m MSL to 71 m MSL. The ultimate depth of the mine workings is estimated to be 110 m MSL. The approximate total water demand is 16 KLD. and total power requirement is 75 kw. The nearest house is located at 127m south west of the quarry.

**BRIEF OF THE PROJECT**

<b>Type of Project</b>	<b>Quarry project (building stone)</b>
Name of the project	M/s Nellikkunnu Granite & Crusher Pvt. Ltd.
Category of the project	B2
GPS Locations	11° 39' 03.17" N to 11° 38' 53.42" N 75° 49' 42.25" E to 75° 49' 25.16" E
Address for correspondence	M/s Nellikkunnu Granite & Crushers Pvt. Ltd. Nellyote House, Paleri Post, Kozhikode, Kerala-673508
Name, Phone Number & e - mail id of responsible persons	<b>1. Mr. Hameed Cheruveri</b> Managing Director hameedc4444@gmail.com 08086004444 <b>2. Anil kumar TA</b> Manager 9744040093
<b>Main Features</b>	
Total area under Environment Clearance	07.8991 Ha.
Minalable reserves	87,50,000 MTA
Production	3,50,000MTA
Life of Mine	25 years
Highest and lowest elevation	171m MSL to 71 MSL
Crusher unit	Yes, within the project site
<b>Environmental Settings</b>	
Nearest stream	Kadantharapuzha, 0.5 km.
Nearest house	127 m, SW
Nearest town	Pasukkadavu, 2 km., NE
Nearest worship place	Noor Juma Masjid Centre Mukku, 1 km., E
Nearest hospital	Maruthonkara Govt. Dispensary, 6km, W
Seismic zone	Zone-III, Moderate damage risk zone as par BMTPC, Vulnerability atlas Seismic zone of India IS: 1893-2002.

# **COMPLIANCE REPORT**

## **(SPECIFIC CONDITIONS)**

### **PART A**

**PART - A – SPECIFIC CONDITIONS**

<b>01</b>	<b>Proper fencing and sign boards must be fixed all around.</b>	<b>Complied</b>
-----------	---	-----------------

To ensure safety of all, the project has erected barbed metal wire fencing around the mining area with height of 5 ft. This will help to prevent falling of animals/human being/dumping of garbage etc,. The project will install additional fencing where it is necessary in the quarry. To make aware the people, the project has installed sign boards in the project site. The photograph of barbed metal wire fencing and sign board is provided in **Plate No.8** The copy of bill purchased for barbed wire is attached as **Annexure No.4**

<b>02</b>	<b>Entry of large vehicles may be restricted to the approach road</b>	<b>Complied</b>
-----------	---	-----------------

There is tarred road of 600 meters from Pasukadavu to the quarry with a width of 7 meters. The road is maintained well with regular repairs. As per the direction of State Environment Impact Assessment Authority (SEIAA), Kerala, the project has restricted entry of large vehicles along the approach road to the quarry site for transportation of minerals. At present, the small vehicles are being used for the transportation of minor minerals.

<b>03</b>	<b>Retaining wall should be maintained at the lower slope to avoid leaching</b>	<b>Complied</b>
-----------	---	-----------------

To avoid leaching and runoff from the e site, the project has constructed retaining wall at the lover slope. This will be maintained in a good manner to direct the storm water to the pond. The photograph of the retaining wall is provided as **Plate No. 1.**

<b>04</b>	<b>To the extent possible local biodiversity management Committee shall be involved in the environmental management/restoration activities.</b>	<b>Noted</b>
-----------	---	--------------

The eco – restoration is an integral part of the mining industry. The project is willing to involve experts in the field of biodiversity and Environment for sustainable environment and restoration activities.

<b>05</b>	<b>Reclamation and eco- restoration of quarry site should be done by planting native species.</b>	<b>Complied</b>
-----------	---	-----------------

As part of eco – restoration, the project started to plant various native species in the vicinity of the mining area. The project proponent has purchased various saplings from nursery for enhancing vegetation. The copy of the bill is attached as **Annexure No. 1**. The details are provided in **Table No.3**. The photograph of the plantation is given in **Plate No. 2**.



**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**PART B**

**PART – B – GENERAL CONDITIONS**

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

**Compliance:**

To utilize the rain water, a Rain Water Harvesting (RWH) pond is properly maintaining in the project area. The storm water from all surrounding areas is properly channelized to this pond. It is situated in the lowest level of quarry area. 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.3**.

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

**Compliance:**

To monitor and evaluate the works done under the conditions stipulated in the EC order, the project proponent has constituted an Environmental Monitoring Cell (EMC) with Mr. Hameed C as head of the monitoring cell. The EMC meeting will be convened regularly for a sustainable environment. 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>
<b>1.</b>	Head of the monitoring cell	:	Hameed C
<b>2.</b>	Head in charge (Environment)	:	Anil Kumar T A
<b>3.</b>	Environment Officer in charge at Site	:	Anoop A
<b>4.</b>	Name of the Environment Consultant	:	M/s Environmental Engineers & Consultants Pvt. Ltd. (NABET Accredited Consultancy)

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

**Compliance:**

To prevent dust emission during transportation of materials, suitable avenue trees were planted along the road side and parking area. There are natural vegetation including trees, shrubs, herbs and climbers present either side of tarred road and in the parking areas. This will help to reduce air and sound pollution. The copy of bill from nursery is given in **Annexure No.1** and the photographs of avenue trees planted in the road side are given in **Plate No.4**. The details of vegetation are given below.

**TABLE 2 Details of the natural vegetation existing along the road side**

Sl. No.	Scientific Name	Common Name	Family	Type
1	Bambusoideae	Bamboo	Poaceae	Tree
2	Murraya koenigii	Curry tree	Rutaceae	Tree
3	Terminalia arjuna	Maruthu	Combretaceae	Tree
4	Phyllanthus emblica	Nelli	Phyllanthaceae	Tree
5	Xylia xylocarpa	Erul	Fabaceae	Tree
6	Swietenia mahagoni	Mahagony	Meliaceae	Tree
7	Anacardium occidentale	Kasumavu	Anacardiaceae	Tree
8	Artocarpus heterophyllus	Plavu	Moraceae	Tree
9	Chromolaena odorata	Communist-pacha	Compositae	Shrub
10	Cocos nucifera	Thengu / Coconut	Arecaceae	Tree
11	Mangifera indica	Mavu	Anacardiaceae	Tree

12	<i>Pennisetum orientale</i>	Oriental fountain grass	Poaceae	Herb
13	<i>Tabernaemontana alternifolia</i>	Kunnanpala	Apocynaceae	Tree
14	<i>Tectona grandis</i>	Thekku	Verbenaceae	Tree
15	<i>Ziziphus oenopolia</i>	Thodalli	Rhamnaceae	Climber

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

**Compliance:**

The project is intending to use maximum renewable energy to reduce electrical consumption from KSEB. As part of this, the project proponent has installed a solar street light in the project site. The photograph of solar street light is provided in **Plate No. 5**. The copy of bill is provided in **Annexure No.2**.

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

**Compliance:**

To prevent dust emission, sprinklers are installed in the project site. This help to suppress dust during the time summer season. The sprinklers installed in and around the crusher unit. The photographs showing the effective utilization of sprinklers in the project area is provided in **Plate No. 6**.

06	<b>Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.</b>	<b>Being complied</b>
----	--	-----------------------

**Compliance:**

The eco restoration plan prepared by the project will be executed in a good manner. The project started to plant various saplings in and around the project site. The list of tree/shrub/herb saplings planted in the project site is given below. The mine closure plan will be done at the own cost of project proponent as agreed in the proposal.

**TABLE 3 Details of the saplings planted within the project area**

Sl. No.	Scientific Name	Common Name	Family	Habitat
1	Bambusoideae	Bamboo	Poaceae	Tree
2	Murraya koenigii	Curry tree	Rutaceae	Tree
3	Terminalia arjuna	Maruthu	Combretaceae	Tree
4	Phyllanthus emblica	Nelli	Phyllanthaceae	Tree
5	Xylia xylocarpa	Erul	Fabaceae	Tree
6	<i>Artocarpus heterophyllus</i>	Plavu	Moraceae	Tree
7	<i>Capsicum frutescens</i>	Kantharimulaku	Solanaceae	Herb
8	<i>Carica papaya</i>	Papaya	Caricaceae	Tree
9	<i>Cocos nucifera</i>	Thengu	Arecaceae	Tree
10	<i>Curcuma longa</i>	Manjal	Zingiberaceae	Herb
11	<i>Mangifera indica</i>	Mavu	Anacardiaceae	Tree
12	<i>Musa paradisiaca</i>	Vazha	Musaceae	Herb
13	<i>Swietenia mahagoni</i>	Mahagony	Meliaceae	Tree
14	<i>Tectona grandis</i>	Thekku	Verbenaceae	Tree

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

**Compliance:**

To save rain water, ten percent of the excavated pit area will be retained as water storage area. This will help to improve the ground water table. It is proposed to develop a green belt in the remaining area with indigenous plant species after reclamation of the mined area with stacked top soil and overburden.

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

**Compliance:**

The activities under Corporate Social Responsibility (CSR) activities are executed in the sector of Health sports and housing. The project proponent could executed many activities under CSR for inclusive growth in the community. The receipt of donation is given in **Annexure No. 3**. The details of are given below in the table. The photograph of CSR activity is provided at **Plate No.7**

**Table No. 4 The details of performed activities under C S R**

<b>Sectors</b>	<b>Activities</b>	<b>Partners</b>	<b>Beneficiary</b>	<b>Amount spent in Rs.</b>
<b>Health</b>	Treatment support	CBO	K Sasi	25,000
	Medical camp	Sparsam Charities	Community	5,000
	Donation	Mullankunnu Relief committee	Community	28,000
	Donation	Mullankunnu Relief committee	Community	31,000
	Donation	Mullankunnu Relief committee	Community	25,000
	Donation	Mullankunnu Relief committee	Community	5,000
	Donation	Mullankunnu Relief	Community	22,500

		commiittee		
	Donation	Nanma Charitalble	Community	2,500
	Donation	Karuna Pain and Palliative	Community	15,000
	Donation	Nanma Charitalble	Community	5,000
	Treatment support	CBO	N C Babu	5,000
	Treatment support	CBO	Anumol	5,000
	Treatment Support	CBO	Anandhu	1,00,000
<b>Sports</b>	Donation	Challengers Club	Youth	2,000
	Volley ball championship	FAS volley	Youth	25,000
<b>Education</b>	Donation of Computer	Kothodu Govt. L P School	Students	28,000
	Maintennce support to anganwadi	Anganwadi	Students	10,000
<b>Housing</b>	Purchase of 3 cents of land		Tribal family	30,000
	Purchase of 3 cents of land		Tribal family	30,000
<b>Supply of Drinking water</b>	Drinking water supply		Community people	2,62,500
<b>TOTAL</b>				<b>6,61,000</b>

<b>09</b>	<b>The lease are shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mine.</b>	<b>Complied</b>
-----------	--	-----------------

**Compliance:**

To ensure safety of all, the project has erected barbed metal wire fencing around the mining area with height of 5 ft. This will help to prevent falling of animals/human being/dumping of garbage etc, The purchase bill of materials is given in **Annexure No.4**. The photograph of barbed metal wire fencing is provided in **Plate No.8**.

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>	<b>Complied</b>
----	--	-----------------

**Compliance:**

To give warning to the labours and community people prior to the blasting in quarry, the project installed warning alarms as per the stipulation of Explosive department in the quarry site. This is properly working prior to the blasting time. The time of blasting in the quarry is between 10.00 am to 4.00 pm on all working days. The photograph of alarm is given in **Plate No. 9**.

11	<b>Control measures on noise and vibration prescribed by KSPCB should be implemented.</b>	<b>Being complied</b>
----	---	-----------------------

**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.

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

**Compliance:**

Quarrying activities are limited to day time only as per KSPCB guidelines. The quarry working time is 8 am to 5.00 pm. This will help to limit the sound pollution.

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

**Compliance:**

To reduce ground vibration, the blasting is done in controlled manner by using ordinary delayed detonators. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency.

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

**Compliance:**

The project has appointed a Licensed person for supervise/control the blasting operations for the extraction of granite building stones. **Annexure No. 5** showing the license of mining mates.

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

**Compliance:**

To reduce emission of dust through the vehicle movement, the access road of 600 meter from the entrance of project site to quarry is tarred. The project is spraying water on the road to arrest the dust during summer season. The photograph of tarred road is provided in **Plate No. 10**. The project proponent maintains the access road to the quarry in good condition for dust emission and easiness of transportation.

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

**Compliance:**

There is no old quarry in the site for restoration. The overburden materials are stored within the site. This will be used to restore the exploited area in future. A portion of the overburden is using for the construction of haulage road and filling of low laying area. The photograph is showing the same in **Plate No.11**.

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

**Compliance:**

To enhance safety and to make environment friendly quarrying, the excavation activity in the project is progressing by creating benches of 5m width x 5m height. **Plate No. 12** showing the same.

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

**Compliance:**

The project is yet to use mats during the time of blasting. The project is using ordinary delayed detonator for blasting therefore there is no issue with fly rock in the community and the project is also assure the maximum PPV is under 10.

19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Will be complied
----	---	------------------

**Compliance:**

The depth of mining won't exceed beyond 10 meter or not below the level of the nearest stream bed, whichever is less. The exploration will be done as per the plan submitted before State Environment Impact Assessment Authority (SEIAA), Kerala.

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

**Compliance:**

In the project site, there is no mining operation is carried out with a slope greater than 45°.

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

**Compliance:**

To reduce sound amplification, the machines of crusher unit is housed with solid bricks. A green belt is also developed around the unit to reduce noise and air pollution. This helps the noise and sound level is kept within the prescribed standards. The labours in the unit are wearing ear plugs to reduce the impact of noise generating from the machines. The project proponent is maintained all machineries in a good manner.

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

**Compliance:**

To ensure the safety of workers in working site, the project provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, glows, etc. The photograph of the workers with PPE is given in the **Plate No. 13**. The copy of bill purchased for Personal Protective Equipments is attached as **Annexure No. 6**.

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

**Compliance:**

The project has constructed storm water drains in the lower slopes of the project area for effective management of storm water. This helps to channelize the storm water to the rain water collection pond and the most of the debris will be settled down in the bottom of the pond. The clarifiers will be installed soon. The photograph of drain is provided in **Plate No. 14**.

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

**Compliance:**

To avoid dust emission while transportation of materials, the project assures the trucks are covered before it leaving the project site. A photograph of covered trucks is provided in **Plate No. 15**.

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

**Compliance:**

The project planted various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. The photograph of planted trees is given in **Plate No. 2** The list of tree saplings planted in the project site as part of eco-restoration is provided in **Table No 3**.

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

**Compliance:**

The project proponent is using the used oil as lubricant for machineries and other equipments. The excess used oil will be sold only to the recyclers.

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

**Compliance:**

As per the stipulation of competent authority, the project has been stored the explosives in magazine. The magazine is situated in an isolated place specified and approved by the explosives department. The photograph of the magazine is provided in **Plate No.16**.

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

**Compliance:**

To reduce the adverse impact on community life, the norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and

worship places is adhered by the project. The distance of the nearest house is above 127 meter from the quarry, the KSPCB condition is 100 meter.

29	200 m buffer distance should be maintained from forest boundaries.	Complied
----	--	----------

**Compliance:**

There is no forest area near to the project site. The nearest forest is 6 km away from the project site.

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

**Compliance:**

The Project has obtained “*Consent to Operate*” (Renewal) from Kerala State Pollution Control Board. The copy of consent is provided in **Annexure 7**.

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

**Compliance:**

The certificates obtained from other concerned statutory authorities are enclosed in **Annexure No.7, 8, 9, 10 & 11**.

**TABLKE 5 – APPROVALS FROM COMPETENT AUTHORITIES**

Name of the Statutory approval	Name of the Statutory authority	Approval Number & Date
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala	539/SEIAA/EC4/3882/2014 Dated 15-12-2015
“ <i>Consent to Operate</i> ” (Renewal)	Kerala State Pollution Control Board	PCB/KKD/DO/2296/2012 25-05-2015
Explosive License	Ministry of Commerce & Industry – Petroleum &	E/SC/KL/22/1620(E71339) Dated 12-06-2015

	Explosives Safety Organization (PESO)	
<b>License for quarry operations</b>	Gram Panchayath	A5-02/16-17 dated 01-04-2016
<b>Permit order</b>	Directorate of Mining and Geology	12/2016-17/GS/CRPS/DOZ/M,1021/16 Dated 29-06-2016

<b>33</b>	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority	<b>Noted</b>
-----------	---	--------------

**Compliance:**

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

<b>34</b>	<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>	<b>Noted</b>
-----------	---	--------------

**Compliance:**

If the authority instructs to add additional safeguard measures subsequently, the project will be complied with.

<b>35</b>	<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</b>	<b>Being complied</b>
-----------	---	-----------------------

	<b>(Protection) Act, 1986, the public liability (Insurance) Act, 1991 and EIA notification, 2006.</b>	
--	---	--

**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

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

<b>36</b>	<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>. <u>The advertisement should be made within 10 days from the date of receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.</u></b>	<b>Complied</b>
-----------	---	-----------------



**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.12**. The details are given below in the table.

**Table No. 6 Details of advertisement in news paper**

Sl. No	News paper	Language	Date of edition
01	The New Indian express	English	02-01-2016
02	Malayala Manorama	Malayalam	02-01-2016

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

**Compliance:**

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The acknowledgement received from the Panchayat office is attached in **Annexure 13**. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore does not give the copy of clearance latter to anyone. The project does not have a website and it will create a company website soon.

38	The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hand copies as well as by e-mail) and upload	Being Complied
----	--	----------------

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

**Compliance:**

The compliance report is being submitted to the Directorate of Environment and Climate Change, Govt. of Kerala and also to the Regional Office of MoEF&CC, Govt. of India both in hard copy as well as mail. The result of monitored data will be sent soon.

39	<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 extant of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.</b>	<b>Will be complied</b>
----	---	-------------------------

**Compliance:**

The details of the Environmental Clearance will prominently displayed with the specific conditions as per specifications mentioned in the condition. The photograph of the board is attached as **Plate No.17**.

40	<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>	<b>Complied</b>
----	--	-----------------

**Compliance:**

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

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

# PLATES

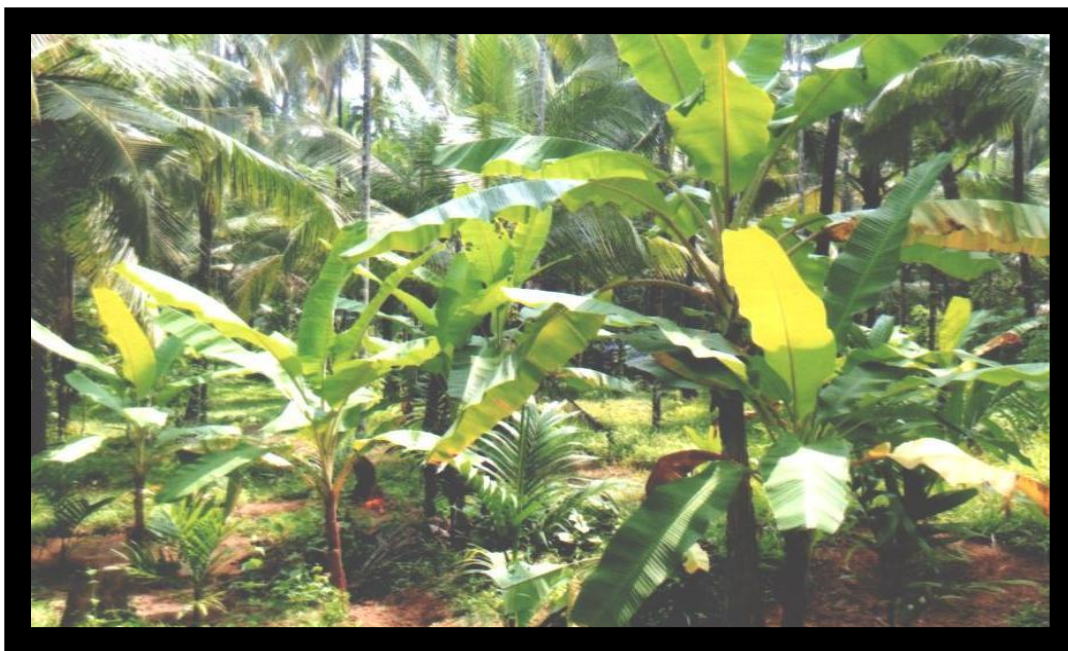
*(Photographs of project)*

**Plate No. 1**



**Retaining wall**

**Plate No. 2**



**Eco restoration**



**Plate No.3**



**Rain Water Harvesting Pond**

**Plate No.4**



**Avenue Trees**

**Plate No.5**



**Solar Street Light**

**Plate No.6**



**Sprinkler**



Plate No.7







Activity under CSR



**Plate No.8**



**Fencing  
Plate No.9**



**Warning Alarm**

**Plate No.10**



**Tarred Road**

**Plate No.11**



**Stacked Top soil**



**Plate No.12**



**Benches under progress  
Plate No.13**



**Labors with PPE**



**Plate No.14**



**Drainage**

**Plate No.15**



**Covered Truck  
Plate No.16**



**Magazine**



Plate No. 17



EC Board

# ANNEXURE

*(Documents of the project)*



## Annexure No. 1

**THARAPPEL NURSERY & GARDEN**  
 (Govt. Approved)  
 Anappara, Chulliyode P.O. S.Bathery, Wayanad, Kerala  
 tharappelnursery@gmail.com  
 No. 375

Ph: 04936 - 266155  
 Mob: 09447235967  
 WhatsApp 09745569355

Date: 01/12/16  
 Vehicle No. ....

**CASH BILL**

To: .....

No	Particulars	Qty	Rate	Amount Rs. Ps.
1	2 (10x12)	52	35	1820
2	2 (10x12) 20x20	5	100	500
3	2 (10x12) (9x9)	2	75	150
4	2 (10x12)	2	75	150
5				2620
6	2 (10x12) 20x20	6	35	210
7	2 (10x12) 20x20	2	125	250
8		2	90	180
9				3260
10				
11				
12				
13				
14				
15				
16				
17				
Rupees			TOTAL	3100/-

Loading & Packing Charges Extra

Let Us Make India Green,  
 Together We Can, Will

For THARAPPEL NURSERY & GARDEN

## Bill of Plants purchased

## Annexure No. 2

SUBJECT TO CALCUT JURISDICTION  
*Original - Buyer's Copy*

Invoice No. **8B/061**  
Ref No.

Dated 3-Aug-2016

**AG's POWER SOLUTIONS - 2015-16**  
17/483 -6A  
Sreekanteswara Complex  
IG Road, Kozhikode  
Phone: 0495-2721141  
Contact :9895500365  
E-Mail :govclt1@gmail.com

**Form No. 8B**  
Kerala Value Added Tax 2015

Party : **Hameed**  
kuttiyadi

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	Solar Street Light	1.00 No.	23,267.33	No.	23,267.33
	OUTPUT VAT 1%			1 %	232.67
Total		1.00 No.			₹ 23,500.00

Amount Chargeable (in words) E. & O.E  
**INR Twenty Three Thousand Five Hundred Only**


Company's CST No. : **32110843645C**

Company's Bank Details  
Bank Name : **Syndicate Bank**  
A/c No. : **44051010003333**  
Branch & IFS Code : **Mavoor Road & SYN0004405**

Declaration  
\*Original for the Buyer and Duplicate to be retained with the seller  
Customer's Seal and Signature

for AG's POWER SOLUTIONS - 2015-16  
*[Signature]*  
Authorised Signatory

This is a Computer Generated Invoice



## Bill of Solar Street light

Annexure No.3

**MULLANKUNNU RELIEF COMMITTEE**  
MULLANKUNNU, PO - MARUTHONKARA - 673513,  
KAVILUMPARA

No: 441 Date: 26/12/16

Received with thanks from Hameed Crusher

the sum of rupees Twenty eight Thousand Only

Rs. 28,000/-

Secretary/Organizer [Signature]

**kairali**  
charitable trust

P.O. Maruthonkara, Kavilumpara Via, Kozhikode Dt., Kerala, 673513  
Ph: 9447393280, 9645114771, 9495084320, Email: kairalitrust1@gmail.com

**Cash Receipt**

No. 88 Date: 24/11/16

Received with thanks from Mr. V.P. Hameed

the sum of Rupees being membership/sponsorship/donation.

₹ 60,000/-

CHAIRMAN/GS. SECRETARY/TREASURER [Signature]









## Annexure No.5

Page 1 of 2

Form LE-10  
Shot Firer's Certificate  
(See article 10 of Part 1 of Schedule IV)  
[see rule 107(5) of Explosives Rules, 2008]

(Certificate of competency to carry out blasting of explosives in area not coming under the Mines Act, 1952)

No.:E/SE/KL/30/690(E82034)

This is to certify that **Shri Muhammed Shameer V.P.**, born on **14/05/1989**, resident of **Adukkath House Cheruvu P.O., Kuttigadi, KOZHIKODE, Kerala** passed the **shotfirer's examination** held on **09/06/2014** conducted by **Controller of Explosives, Ernakulam** and is authorised to conduct blasting operations as mentioned below using explosives in areas other than mines coming under the purview of the Mines Act 1952, subject to the provisions of the Explosives Act, 1884 and the rules framed thereunder.

Authorised class, category and type of blasting :


**Class : (B), Category : General aboveground, All phases of aboveground blasting operation**

[See explanation of sub-rule (5) of rule 107]

**This certificate shall remain valid till 19/06/2019 (five years from the date of issue)**

This certificate is liable to be suspended or revoked for any violation of the Act or rules framed thereunder or the conditions of this certificate or if there is any discrepancy or deviation in the information or suppression of facts furnished by the applicant in his application form.

Place: **Ernakulam**  
Date: **19/06/2014**

  
**Dy. Chief Controller of Explosives**  
 कृत उप मुख्य विस्फोटक नियंत्रक  
**Ernakulam**  
 For Deputy Chief Controller of Explosives  
 एरनाकुलम / Ernakulam

Endorsement for revalidation		
Date of Revalidation	Date of Expiry	Signature of licensing authority

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

## Certificate of Short Firer's





**Annexure No.7**



Validity expires on 14-12-2020

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

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

Sub: SEIAA- Environmental Clearance for the proposed quarry project in Sy. Nos. 523/1part, 571/1Part & 567 Part at Maruthonkara Village & Panchayath, Vatakara Taluk, Kozhikode District, by M/s Nellikkunnu Granite & Crushers Pvt. Ltd.- Granted. Orders issued.

**STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY**

**No. 539/SEIAA/EC4/3882/2014**

***dated, Thiruvananthapuram 15 -12-2015***

- Read:* 1. Application dated 31-7-2014 submitted by Sri. Hameed Cheuveri, Managing Director, M/s Nellikkunnu Granite & Crusher Pvt. Ltd., Vannathichira P.O., Kavilumpara Via, Vatakara Taluk, Kozhikode-673513  
2. Minutes of the 41<sup>st</sup> meeting of SEAC held on 16/17-6-2015.  
3. Minutes of the 45<sup>th</sup> meeting of SEAC held on 11/12-9-2015.  
4. Minutes of the 43<sup>rd</sup> meeting of SEIAA held on 16-10-2015.

**Environmental Clearance No. 109/2015**


Sri. Hameed Cheruveri, Managing Director, M/s Nellikkunnu Granite & Crusher Pvt. Ltd., Vannathichira P.O., Kavilumpara Via, Vatakara Taluk, Kozhikode-673513 vide his application received on 13.08.2014, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. Nos. 523/1 part, 571/1Part & 567 Part at Maruthonkara Village & Panchayath, Vatakara Taluk, Kozhikode District, Kerala for an area of 07.8991 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA.II (M) dated 18<sup>th</sup> May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.

2. The proposed project site falls within 11° 39'03.17" N to 11° 38'53.42" N and 75° 49' 42.25" E to 75° 49' 25.16" E. The land use classification as per revenue records is rocky land with private own land. The present land use is rocky land with quarrying activities. The current proposal is for the existing quarry with pit area of 0.6070 hectares and mineral specific. Hence no alternate site was examined. Forest land is not involved in the project.


**Copy of EC Order**



## Annexure No.8



**KERALA STATE POLLUTION CONTROL BOARD**  
 കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്  
 കോഴിക്കോട് ജില്ലാ ഓഫീസ്  
**DISTRICT OFFICE, KOZHIKODE**  
 3<sup>rd</sup> FLOOR, ZAMORIN'S SQUARE, LINK ROAD, KOZHIKODE - 673 002  
 Telefax: 2300745, 46, 47  
 www.keralapcb.org



---

File No:PCB/KKD/DO/2296/2012 Date: 25.05.2015

CONSENT TO OPERATE – RENEWAL

Consent no: PCB/KKD/DO/ICO-R1/2296/2015


Ref:- 1. Your application dated 16.03.2015  
 2. Consent No PCB/KKD/DO/ICO/2296/2012 dated 13.04.2012

The 'Consent to operate' issued vide ref. 2 to M/s Modern stone crusher - quarry, Maruthonkara, Kozhikode-673508 is hereby renewed up to **31.03.2018**. The Consent cited under ref. 2 as attached herewith is part of this renewal order and this order is subject to the conditions stipulated therein and to the following variations.

Item No 1.12	Fee remitted	Rs.36000/-
Item No 1.14	Capital Investment	Rs.5100000/-
Item No 1.15	Products & Activity	Quarrying in 0.4047 hecter of land of ReSurvey no. 523/1 in Mauthonkara Village,Vadakara Taluk, Kozhikode District.

The consent issued from the Board will be valid only for a period during the period when all other statutory or necessary clearance from the concerned authorities are valid. The consent issued from the Board is only with respect to the powers vested under the Water (prevention & control of pollution) Act 1974; Air (Prevention & Control of pollution) Act 1981 and rules there under. The operation of the unit shall be commenced only after obtaining clearance from all concerned authorities

For and on behalf of the  
**KERALA STATE POLLUTION CONTROL BOARD**



**VINAYA.K.S**  
 Environmental Engineer

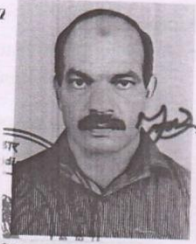

## Consent form PCB

## Annexure No.9

**LICENCE FORM LE-3**  
(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

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

Licence No. : E/SC/KL/22/1620(E71339)  
Annual Fee Rs.2400/-

1. Licence is hereby granted to : **T K Abdul Salam (Occupier : T.K.Abdul Salam)**  
**Nelliyottu House, Paleri P.O., Kozhikode, Town/Village - Kuttiyadi**  
**District-KOZHIKODE, State-Kerala, Pincode - 673315**

2. Status of licensee : **Individual**

3. Licence is valid only for the following purpose : possess for use of **Nitrate Mixture, Safety Fuse, Ordinary Detonator, Electric Detonators,**

4. (a) Licence is valid for the following kinds and quantity of explosives:

Sr. No.	Name and Description	Class & Division	Sub-division (If any)	Quantity at any one time
1.	Nitrate Mixture	2 ,0	0	100 Kg.
2.	Safety Fuse	6 ,1	0	2000 Mtrs
3.	Ordinary Detonator	6 ,3	0	2000 Nos.
4.	Electric Detonators	6 ,3	0	1500 Nos.

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

5. The licensed premises shall conform to the following drawing(s):  
**Drawing No : E/SC/KL/22/1620(E71339) dated : 12/06/2015**

6. The licensed premises are situated at following address:  
**Survey No. R.Sy.No.570 , Town/Village : Muruthonkara (v), Vatakara Tk**  
**Police Station : Thottilpalam** District : **KOZHIKODE** State : **Kerala**  
**PinCode : 673315** Phone : E-Mail : Fax :

7. The licensed premises consist of following facilities : **Type C magazine**

8. The licence is granted subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Annexures.  
(1) Drawings (showing site, constructional and other details) as stated in serial No. 5 above.  
(2) Conditions and Additional Conditions of this licence signed by the licensing authority.  
(3) Distance Form DE-2


9. This licence shall remain valid till **31st day of March 2018**

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.

### Explosive license



## Annexure No.10

	
ലൈസൻസ് നമ്പർ: 04/2017 തീയതി: 22-06-2017.	
മന്ത്രാലയം ..... ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും	
1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് ( 1994 ലെ 13 ) 232, 233, 234, 254 എന്നീ വകുപ്പുകളുടെ അനുസരിച്ചുള്ള ചട്ടങ്ങളും അനുസരിച്ചു നൽകുന്ന	
<b>ഡി &amp; ഒ ലൈസൻസ്</b>	
ലൈസൻസിന്റെ പേരും മേൽവിലാസവും	ഹാമിദ് മുഹമ്മദ് M. D, നെൽക്കുന്ന് ഗ്രാമപഞ്ചായത്ത് & കൂടെ നെൽക്കുന്ന്
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	നെൽക്കുന്ന് ഗ്രാമപഞ്ചായത്ത് & കൂടെ നെൽക്കുന്ന്
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	മരിച്ച കല്ലിനെ നശിപ്പിക്കൽ
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	വാർഡ് - 5/2228 (പഞ്ചായത്ത് - 523/1)
ലൈസൻസ് കാലാവധി	22-06-2017 മുതൽ 31-03-2018 വരെ
ഇടപാടുകൾക്ക് ലൈസൻസ് ഫീസ്	4000/- രൂപ
റസിൻ നമ്പർ	11602104102/25-02-17
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരവധി പത്രങ്ങളുടെ വിശദാംശങ്ങൾ ( നമ്പർ, തീയതി, കാലാവധി, നൽകിയ അധികാരസ്ഥാനം)	1. Explosive Licence No: E/SC/KL/22/1620(E71339) dt'd 14-06-2017. 2. Consent to Operate Certificate No: PCB/KKD/DO/6023/2016 from Kerala State Pollution Control Board. 3. Environmental Clearance Certificate No: 539/SE/199/EC4/3882/2014 from state Environment Impact Assessment Authority, Kerala. 4. Shot firer's Certificate No: E/SE/KL/30/690(E82035) dt'd 19-06-2014 (Valid upto 19-06-2019) from Govt. of India. 5. Intent No: 1406/173/2017 dt 03-03-17 from Mining & Geology Directorate.
നെൽക്കുന്ന് & കൂടെയുടെ ഡയറക്ടർമാർക്ക് നിങ്ങളുടെ പേരിൽ നിന്നും ലൈസൻസ് നൽകിയിട്ടുള്ളതായി അറിയിക്കുന്നു.	
20-07-2017 നു ചുരുക്കത്തിൽ നിങ്ങളുടെ വരുമാനവും അടയ്ക്കൽ ലൈസൻസ് നൽകിയിട്ടുള്ളതായി അറിയിക്കുന്നു.	
മന്ത്രാലയം ..... മന്ത്രാലയം .....	
Mining & Geology Dept. No. 41/2017-18/1406/173/2017 DMG Dt: 22/6/17. Produced 1-30-Y-2014	
P.O. MARUTHONKARA	
SECRETARY P.O. Maruthonkara-673512 9436048197	

## License form Gram Panchayat

## Annexure No.11

(11)

FORM M  
[See sub-rule (2) of Rule 9]  
(For all type of quarrying permits)  
GOVERNMENT OF KERALA  
DEPARTMENT OF MINING & GEOLOGY DISTRICT OFFICE, KOZHIKODE

QUARRYING PERMIT FOR EXTRACTION OF GRANITE BUILDING STONE/  
GRANTED UNDER RULES 3(1), 9 AND 10 OF THE KERALA MINOR  
MINERAL CONCESSION RULES, 2015 AND KMMC (2<sup>ND</sup> AMENDMENT) RULES 2015

No. 12/2016-17/GS/CRPS/DOZ/M.1021/16. Dated. 29.06.2016

SRI. T.K. ABDUL SALAM, NELLIYOTTU HOUSE, PALERI POST, KUTTIADI, KOZHIKODE is hereby permitted to extract and remove GRANITE BUILDING STONE from an area of 40.47 ARES in Resurvey No. 523/1 of MARUTHONKARA Village of VATAKARA Taluk of KOZHIKODE District, Kerala State under rule 3(1) and 9 of the Kerala Minor Mineral Concession Rules, 2015 and KMMC (2<sup>nd</sup> Amendment) Rules 2015 subject to the conditions mentioned in Rule 10.

Quantity of extraction of mineral permitted : Not Applicable.  
(Not applicable in the case of CRP System)  
Whether the permit holder opted CRP System : CRPS  
Number of mineral transit passes to be issued : 5,000 + No. of Mineral Transit Passes required for transportation of granite (Building Stone) extracted from the specified area during the specified period for which the annual consolidated royalty paid in advance

Name and address of the owner of the land under mineral concession/particulars of consent/NOC received from the occupier of the land (if applicable) : Managing Director , Nellikkunnu Granites & Crusher Pvt. Ltd, Vannathichira post, Kavilumpara  
Date of expiry of permit : 28.06.2017

DETAILS OF FEE REMITTED

Item	Chalan No. and Date	Amount	Name of Treasury
Application fee	395/11.05.2016	1,000/-	D.T., KOZHIKODE
Royalty	320/29.06.2016	7,00,000/-	D.T., KOZHIKODE
Surface Rent	320/29.06.2016	100/-	D.T., KOZHIKODE
Addl. Royalty remitted, if any			

(Office Seal)

To

- SRI. T.K. ABDUL SALAM,  
NELLIYOTTU HOUSE,  
PALERI POST,  
KUTTIADI,  
KOZHIKODE
- Hameed Cheruvari, Managing Director, Nellikkunnu Granites & Crusher Pvt. Ltd, Vannathichira post, Kavilumpara :- Land owner

Copy to:— (1) The District Collector, (with C/L)  
(2) Secretary, Maruthonkara Grama Panchayath

Signature and Address of the issuing authority.

Copy of Permit



Annexure No.12

THE NEW INDIAN EXPRESS  
KOZHIKODE SATURDAY 2 JANUARY 2016

**NOTICE**

This is to inform to the General Public that the proposed quarry project in Survey Nos. 523/1 Part, 571/1 Part & 567 Part at Maruthonkara Village & Panchayath, Vatakara Taluk, Kozhikode District, Kerala being developed by M/s Nellikkunnu Granite & Crusher Pvt. Ltd. is accorded with ENVIRONMENT CLEARANCE by State Environment Impact Assessment Authority, Kerala vide Order No. 539/SEIAA/EC4/3882/2014 Dt. 15-12-2015 and the copy of the Environment Clearance is available with the office of Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at [www.seiaakerala.org](http://www.seiaakerala.org)

**COIR INDUSTRY AWARD FOR 2014-15**

**COIR BOARD**  
MINISTRY OF MSME, Government of India  
M.G.Road, Kochi - Pin-682016.  
Ph:0484 2351900

Entries have been invited from the Exporters/Dealers/Producers /Persons/Entrepreneurs/State Governments/UTs and Organizations from any of the eligible categories for the **COIR INDUSTRY AWARDS 2014-15** for outstanding performance in coir sector. Please visit Coir Board Website for downloading the application format.

The last date for receipt of applications in the prescribed format in the Head Office has been extended from 31.12.2015 to **11.01.2016**.

For further details contact Development Officer (M), Coir Board (Ph.0484:2362751)

**For more details visit: [www.coirboard.gov.in](http://www.coirboard.gov.in)**

S/d  
**SECRETARY, COIR BOARD**

**31.12.2015**

Regd Office: No. 21, Pattulos Road, Chennai - 600 002.  
Corporate Office: 46, Whites Road, Chennai - 600 014.

**SUNDARAM BNP PARIBAS**

06-01-2016 തിരുവനന്തപുരം ജില്ലാ പരിസ്ഥിതി വകുപ്പ്

പൊതുജന ശ്രദ്ധയ്ക്ക്

പൊതുജന ശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, കോഴിക്കോട് ജില്ല, വടകര താലൂക്ക്, മരുതോങ്കര വില്ലേജിലും പഞ്ചായത്തിലും പെട്ട സർവ്വേ നമ്പർ 523/1 Part, 571/1 Part & 567-ൽ പാറ ഖനനം ചെയ്യുന്നതിനു വേണ്ട പരിസ്ഥിതികാനുമതി നേല്ക്കുന്നത് ഗ്രാനൈറ്റ് & ക്രഷേഴ്സ് പ്രൈവറ്റ് ലിമിറ്റഡ് എന്ന സ്ഥാപനത്തിന് കേരള സംസ്ഥാന പരിസ്ഥിതി ഇംപാക്ട് അസ്സസ്മെന്റ് അതോറിറ്റിയിൽനിന്നും 539/SEIAA/EC4/3882/2014 തീയതി 15-12-2015 ഓർഡർ പ്രകാരം ലഭിച്ചിരിക്കുന്നു. ഈ ഓർഡറിന്റെ പകർപ്പ് കേരള സംസ്ഥാന പരിസ്ഥിതി കാലാവസ്ഥ വ്യതിയാന വകുപ്പിൽ ലഭ്യമാണ്. [www.seiaakerala.org](http://www.seiaakerala.org) എന്ന വെബ്സൈറ്റിൽകൂടിയും പകർപ്പ് കാണാവുന്നതാണ്.

**CONSUMER APPLIANCES**

**CAMERA**

**പെൻ കീചെയിൻ ക്യാമറ**  
കീചെയിൻ, ബട്ടൺ, വാച്ച്, ഗ്ലാസ്,

**സേഫ്റ്റി ഓഫീസർ ട്രെയ്നിങ്**  
കൊച്ചി- കോഴിക്കോട്. ഒരു മാസം കൊണ്ട് Expert സേഫ്റ്റി ഓഫീസർ ആകാം. 25 വർഷങ്ങളായി എറണാകുളത്ത് പ്രവർത്തിക്കുന്ന Safety Tech Management എന്ന ISO Certified Safety Engineering Company യിൽ നടത്തുന്ന ട്രെയ്നിങ്. Government of India പ്രൊഫഷണൽ സ്കീംഫിൻസ് Placement

Advertisement in News paper

Annexure No.13

<b>Maruthomkara Grama Panchayat</b>		A1576454
<b>Maruthonkara.P.O , Pin-673513,</b>		
<b>Phone:0496-2666048</b>		
<b>Inward No</b>	5474	<b>Year</b>
<b>Date of Receipt</b>	29/12/2015	2015
<b>Name of Applicant</b> IMPACT ENVIRMENT , TVM		
<b>Subject</b>	ENVIRMENT CERTIFICATE	
<b>Date of Delivery</b>		
<b>Section</b>	A1	
Remarks :		
Counter No. & Staff :	29/12/2015 10:42:38AM	Secretary

Cheques are subject to realisation KREWS (GLM, KANJIKODE) 2014


Acknowledgement received from Gram Panchayat



## Annexure No.14

(धातवीय) खनन परीक्षा बोर्ड  
Board of (Metalliferous)  
Mining Examinations.  
दस्तावेज सं०  
No. of Document 1147

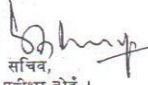
सं० नि० 1224  
C. I. M. 1224

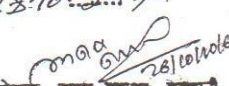
  
खान अधिनियम, 1952  
THE MINES ACT, 1952  
खान फोरमैन समर्थता प्रमाण-पत्र  
MINE FOREMAN'S CERTIFICATE OF COMPETENCY  
(धातवीय खान विनियम, 1961 के अधीन)  
(Under the Metalliferous Mines Regulations, 1961)


श्री....., सुपुत्र.....  
निवासी गांव....., थाना.....  
जिला....., राज्य.....  
जन्म तारीख....., ने धातवीय खान विनियम, 1961 के अधीन  
अपनी आयु, स्वस्थता, सदाचार, साक्षरता और अनुभव के संबंध में संतोषजनक प्रमाण प्रस्तुत कर दिए हैं और तारीख.....  
को (स्थान).....में हुई परीक्षा पास कर ली है। इसे धातवीय खान विनियम, 1961 के अधीन खान फोरमैन  
प्रमाण-पत्र दिया जाता है।

Shri.....Krishna Kurup. G.....  
of Village.....Adoor....., Thana.....Adoor.....  
District.....Pathanamthitta....., State.....Kerala.....  
born on.....23rd May, 1956....., son of.....Shri. Gopal. Pillai.....  
(Nineteen Fifty Six)  
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience, and having passed  
the examination held at.....Udaipur.....on.....1.8.93.....  
is hereby granted a MINE FOREMAN'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.

Fit upto 22.5.2016 (Sixteen)  
**विदेशक खान सुरक्षा**  
**उदयपुर क्षेत्र**  
His name has been examined by qualified Medical Officer on 26.1.93 and declared fit for employment in mine. This Certificate is valid upto 28.10.2017.

  
सचिव,  
खनन परीक्षा बोर्ड।  
Secretary,  
Board of Mining Examinations.  
तारीख/Dated 28 7 1994

  
विदेशक, खान सुरक्षा, बेल्लारी  
Director of Mines Safety, Bellary

  
खनन परीक्षा बोर्ड।  
Chairman,  
Board of Mining Examinations.

प्रमाणित किया जाता है कि उसकी परीक्षा की गई और उसे बहरेपन, सदेव दृष्टि या अन्य किसी ऐसी शारीरिक या मानसिक अवयवता 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 22.04.1998 19.05.2008 2. On 16.04.2003  
3. On 19.05.2008 4. On 16.04.2003  
5. On 19.05.2008 6. On 16.04.2003

MGIP (KSR Unit) 2-20 DGMS/76-19-3-77-4-250.

Mine foreman



## Annexure No.15

(धात्विय) खनन परीक्षा बोर्ड  
Board of (Metalliferous)  
Mining Examinations  
दस्तावेज सं०  
No. of Document 3870

सं० छा० नि० 1229  
C.I.M. 1229

खान अधिनियम, 1952  
THE MINES ACT, 1952  
खनन मेट समर्थता प्रमाण-पत्र  
MINING MATE'S CERTIFICATE OF COMPETENCY  
(धात्विय खान विनियम, 1961 के अधीन)  
(Under Metalliferous Mines Regulations, 1961)

श्री....., पुत्र.....  
निवासी गांव....., थाना.....  
जिला....., राज्य.....  
जन्म तारीख....., ने अपनी आयु, स्वस्थता, सदाचार, साक्षरता और अनुभव का  
संतोषजनक प्रमाण दे दिया है और तारीख..... को (स्थान).....  
में हुई परीक्षा पास कर ली है इसे धात्विय खान विनियम,  
1961 के अधीन खनन मेट समर्थता प्रमाण-पत्र दिया जाता है।

Shri. Krishna Kurup G. (Name)  
of Village Adoor, Thana Adoor  
District Pathanam Thitta, State Kerala  
born on 23rd May, 1956, Son of Shri. Gopala Pillai  
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience and  
having passed an examination held at V.T.C. Zawar Mine, Udaipur on 12th September, 1989  
is hereby granted a MINING MATE'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.

सचिव,  
खनन परीक्षा बोर्ड  
Secretary,  
Board of Mining Examinations.  
तारीख/Date 30-1-1990


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

बाएं हाथ के अंगूठे का निशान  
Left hand thumb impression

प्रमाणित किया जाता है कि उसकी परीक्षा की गई और उसे बहरेपन, सदोष दृष्टि या अन्य किसी ऐसी 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 26-10-94 ता० को  
3. On 26-10-94 ता० को  
5. On निदेशक, खान सुरक्षा ता० को

2. On ता० को  
4. On ता० को  
6. On ता० को



Mines mate



## Annexure No.16

(धातु उत्पादक) खनन परीक्षा बोर्ड  
Board of (Metalliferous) Mining Examinations

सी.आई.एम. 1234  
C.I.M. 1234

प्रलेख सं० .....  
No. of Document 3004

मान अग्निनियम, 1952  
THE MINES ACT, 1952

विस्फोटकर्ता समर्थता प्रमाण-पत्र  
BLASTER'S CERTIFICATE OF COMPETENCY

(धातु उत्पादक खान विनियमावली, 1961 के अधीन)  
(Under Metalliferous Mines Regulations, 1961)

श्री ..... सुपुत्र ..... गांव .....  
पिता ..... जिला ..... राज्य .....  
को जिनकी जन्मतिथी ..... है अपनी आयु, आरोग्यता, अच्छे आचरण, साक्षरता और अनुभव के संबंध में संतोषजनक प्रमाण दे देने और ..... में तारीख ..... को हुई परीक्षा पास कर लेने पर धातु उत्पादक खान विनियमावली, 1961 के अधीन विस्फोटकर्ता प्रमाण-पत्र दिया जाता है।

Shri..... P. KRISHNA KURUP (Name)  
of Village..... AIXOR, Thana.....  
District..... RATNAMTHITTA, State..... KERALA  
born on..... 23RD MAY, 1956, son of..... GORAL PILLAI  
having given satisfactory evidence of his age, medical fitness, good conduct, literacy and experience and having passed an examination held at..... V.T.C. ZANAR MINES on..... 7th MARCH, 1966, is hereby granted a BLASTER'S CERTIFICATE under the Metalliferous Mines Regulations, 1961.

सचिव,  
खनन परीक्षा बोर्ड  
Secretary,  
Board of Mining Examinations.  
दिनांक/Dated..... 01.09.86.

अध्यक्ष,  
खनन परीक्षा बोर्ड  
Chairman,  
Board of Mining Examinations

बाएं हाथ के अंगूठे का निशान  
Left hand thumb impression

प्रमाणित किया जाता है कि उक्तकी स्वास्थ्य परीक्षा कर ली गई है और वह बहरेशन, मंदोग दृष्टि या अन्य किसी ऐसी मानसिक अथवा शारीरिक अशक्तता से मुक्त पाया गया है जो उसके कर्तव्यों को प्रभावी रूप से करने में बाधक 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..... 11.8.91 को .....  
2. On..... को .....  
3. On..... खान सुरक्षा निदेशक को .....  
4. On..... को .....  
5. On..... Director of Mines Safety को .....  
6. On..... को .....  
MGPCE-S3-3D बरीक प्रमाणिका, 5-2-82-11,500.  
saiyed/25th.

Blaster

## Annexure No.17

**TEST REPORT**

Test Report No: SEAAL/1801/EN/R011	Date: 12.01.2018	Page 1 of 1
------------------------------------	------------------	-------------

CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavilumpara, Kozhikode District	
	Survey No	523	
	Village	Maruthonkara	
	Taluk	Vadakara	
	Panchayath	Maruthonkara	
	District	Kozhikode	
	State	Kerala	
Customer Reference	Test Request form dated 03.01.2018		
SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	SEAAL/1801/EN/S011
Location of Monitoring	Near North West side boundary	Sampled By	By Laboratory
Date of Monitoring	03.01.2017	Test Started On	05.01.2018
Sample Received On	04.01.2018	Test Completed On	08.01.2018
Humidity	65 %	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 2012	µg/m <sup>3</sup>	74.0	100
02	Particulate matter (PM <sub>2.5</sub> )	EPA 40 CFR Part 50 Appendix - L	µg/m <sup>3</sup>	37.0	60.0
03	Sulphur dioxide (SO <sub>2</sub> )	IS 5182 Part 2: 2001 RA 2012	µg/m <sup>3</sup>	< 2.00	*80.0
04	Nitrogen dioxide (NO <sub>2</sub> )	IS 5182 Part 6: 2006 RA 2012	µg/m <sup>3</sup>	< 2.00	80.0

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

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

Authorized Signatory

**Laiju P. N.**  
Laboratory Head

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


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

Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB  
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 20 67 24 02  
Web: www.sealabs.in, E-mail: seallab@gmail.com, info@sealabs.in

**Ambient air**




## Annexure No.18



**Standard<sup>S</sup>**  
Environmental Monitoring

**TEST REPORT**



NABL(T-3620)

Test Report No: SEAAL/1801/WA/R012		Date: 12.01.2018		Page 1 of 1	
------------------------------------	--	------------------	--	-------------	--

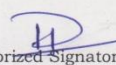
CUSTOMER DETAILS					
Customer Details	Name & Address	M/s Nellikkunnu Granite & Crusher Pvt Ltd Vannathichira, Kavilumpara, Kozhikode District			
Location of Site	Survey No	523			
	Village	Maruthonkara			
	Taluk	Vadakara			
	Panchayath	Maruthonkara			
	District	Kozhikode			
	State	Kerala			
Customer Reference	Test Request Form dated 06.01.2018				

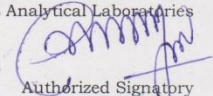
SAMPLE DETAILS			
Sample Code	SEAAL/1801/WA/S012	Sample Received On	04.01.2018
Sample Name	Water	Sampling Procedure	SEAAL/MSP/24
Sample Description	Bore Well	Sampling Location	South East side Boundary
Identification By Customer	---	Sample Condition	Good
Sampled On	03.01.2018	Test Started On	04.01.2018
Sampled By	Laboratory	Test Completed On	08.01.2018

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2012	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2012	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2012	NTU	0.80	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2012	---	7.35	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA:2012	mg/L	455	500 (Max)
06	Total Hardness (as CaCO <sub>3</sub> )	IS 3025Part 21:2009 RA:2014	mg/L	263	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA:2014	mg/L	82.4	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	13.8	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	3.82	250 (Max)
10	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025Part 23:1986 RA2014	mg/L	193	200 (Max)
11	Iron (as Fe)	IS 3025Part 53:2003 RA 2014	mg/L	0.17	1.00 (Max)
12	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2014	mg/L	64.0	200 (Max)
13	Total Goli form Bacteria	IS 1622:1981 RA 2014	----	Present/100ml	Absent/100 ml
14	E coli	IS 15185: 2016	----	Absent/100ml	Absent/100 ml

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

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

  
 Authorized Signatory  
**Dona Jacob**  
 Technical Manager (Microbiology)

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

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

**Standard<sup>S</sup> Environmental & Analytical Laboratories**  
 Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB  
 K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 20 67 24 02  
 Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

## Water

## Annexure No.19

**TEST REPORT**

Test Report No: SEAL/1801/R103	Date: 12.01.2018	Page 1 of 1
--------------------------------	------------------	-------------

CUSTOMER DETAILS	
Customer Details	Name & Address
	Survey No
	Village
	Taluk
	Panchayath
	District
	State
Customer Reference	Test Request Form Dated 03.01.2018

SAMPLE DETAILS	
Source of sample	Ambient Sound Level
Location of Monitoring	Near North East side boundary
Date of Monitoring	03.01.2018

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	37.1 dB (A)	23.00 Hrs	34.6 dB (A)
07.00 Hrs	39.7 dB (A)	00.00 Hrs	37.1 dB (A)
08.00 Hrs	43.9 dB (A)	01.00 Hrs	37.8 dB (A)
09.00 Hrs	47.4 dB (A)	02.00 Hrs	37.5 dB (A)
10.00 Hrs	49.7 dB (A)	03.00 Hrs	38.2 dB (A)
11.00 Hrs	52.7 dB (A)	04.00 Hrs	37.1 dB (A)
12.00 Hrs	50.0 dB (A)	05.00 Hrs	38.9 dB (A)
13.00 Hrs	49.3 dB (A)	RESULTS	
14.00 Hrs	49.7 dB (A)		
15.00 Hrs	50.0 dB (A)	Ambient Sound Level (Leq) Daytime	48.1 dB (A)
16.00 Hrs	51.2 dB (A)		
17.00 Hrs	51.6 dB (A)		
18.00 Hrs	46.2 dB (A)		
19.00 Hrs	42.8 dB (A)	Ambient Sound Level (Leq) Nighttime	37.4 dB (A)
20.00 Hrs	39.0 dB (A)		
21.00 Hrs	38.5 dB (A)		
22.00 Hrs	35.9 dB (A)		

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

For and on behalf of  
Standard Environmental & Analytical Laboratories

Authorized Signatory

**Laiju P. N.**  
Laboratory Head**Standard Environmental & Analytical Laboratories**

Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB  
 K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 20 67 24 02  
 Web: www.sealabs.in, E-mail: sealab@gmail.com, info@sealabs.in

**Ambient Sound**