

QUARRY PROJECT OF  
**M/S. EVEREST STONE & GRANITES**

RE-SURVEY NO. : 4 (P),  
EXTENT : 4.90hectares  
VILLAGE : ERUVESSI  
TALUK : THALIPARAMBU,  
DISTRICT : KANNUR  
STATE : KERALA

**7<sup>th</sup> COMPLIANCE REPORT**

Ref: EC. No: 83/2017 (File No: 709/SEIAA/KL/5786/2014)

DATED: 21/11/2017

FOR THE PERIOD  
**OCTOBER 2020 TO MARCH 2021**

**GEC MINING SOLUTIONS,**  
**THIRUVANANTHAPURAM**  
**EMAIL : gecminingsolutions@gmail.com**



**EVEREST STONE CRUSHER & GRANITES**

MT-89-V, Highway Arcade  
Thana, Kannur, Kerala - 670 002  
Phone: 0497-2701728  
Fax: 0497-2701729

DATE; 07-06-2021

To,

**The Additional principal chief Conservator of Forests©  
Ministry of environment, Forests & Climate Change,  
4<sup>th</sup> Floor, E&F Wing, Kendriya Sadan,  
Koramangala, Bangalore - 560034.**

**Ref: EC No:83/2017 (File No: 709/SEIAA/KL/5786/2014) Dated: 21/11/2017**

**Sub: Environmental Clearance- Quarry project at Survey No 4 (P) of Eruvessi  
Village, Thaliparambu Taluk, Kannur District, Kerala.**

**Respected Sir,**

The quarry (Building Stone) Project was accorded Environmental Clearance for 4.90 hectares hectares, By Order No: EC No: 83/2017 (File No: 709/SEIAA/KL/5786/2014) Dated: 21/11/2017 by State Environment Impact Assessment Authority, Kerala. Compliance report to the specific and general conditions of the Environmental Clearance is enclosed herewith.

**Thanking you**

**Yours respectfully,**

**Mr.K.C.James**

**M/s Everest stone & Granites**

(Managing Partner&Authorized signatory)

**Copy to:-**

**The Member Secretary  
State Environment Impact assessment Authority (SEIAA)  
Thiruvananthapuram, Kerala.**

**Encl: As Above.**

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## **I. ABOUT THE PROPONENT**

Mr.K.C.James, Managing Partner& Authorized signatory of M/s Everest stone & Granites having correspondence office at MT-89-V-HighwayArcade, Kannur, Kerala - 670002.

State Environment Impact Assessment authority (SEIAA) accorded Environmental Clearance No: 83/2017 (File No: 709/SEIAA/KL/5786/2014) Dated: 21/11/2017to the quarry project in Eruvessi Village, ThaliparambuTaluk, Kannur District, Kerala State, managed by Mr. K.C. James, Managing Partner & Authorized signatory of M/s Everest stone & Granites having correspondence office at MT-89-V-HighwayArcade, Kannur, Kerala - 670002.

## **II. ABOUT THE PROJECT**

### **a. Project Category:**

The project comes under the Category B2, Activity 1(a), (i) of Schedule of EIA Notification 2006 and subsequent amendments.

### **b. Project Location:**

Survey No 4 (P) of Eruvessi Village, Thaliparambu Taluk, Kannur District, Kerala.

The proposed project site falls within latitude and longitude value:

Latitude (N)	12° 07' 23.2" N to 12° 07' 35.5" N
Longitude (E)	75° 34' 28.1" E to 75° 34' 36.7" E

### **c. Project Extent And Activity:**

The project is for quarrying of 1,000 TPDof building stone from an area of 4.90 hectares of land located as specified above.

### **d. Project Description:**

The project activity involves about 100 % of the pit area for exploring building stone. At the end of life of mine, excavated pit will be fully reclaimed and rehabilitated by plantation. The project does not involve any underground mining activities. The mining is done by open cast semi mechanized method.

### **III. REPORT OF COMPLIANCE**

#### **A. SPECIFIC CONDITIONS**

<b>ITEM NO</b>	<b>STIPULATIONS IN EC</b>	<b>STATUS OF COMPLIANCE</b>
S-1	Fencing should be provided around the site.	The site will be fenced around with barbed wires.
S-2	The mining area should be clearly marked.	The mining area is clearly marked.
S-3	The debris and overburden seen in the area shall be stored at a designated site.	The debris and overburden seen in the area is stored at a designated site.
S-4	Drainage should be properly provided.	Drainage is provided. <b>PLATE 11</b>
S-5	If any plant species endemic to Western Ghats are noticed in the area they shall be properly protected in situ or by transplanting to an appropriate location inside the lease area	A separate plot is set apart for preserving rare plants in the vicinity.

## **B. GENERAL CONDITIONS**

<b>Ite m No</b>	<b>STIPULATIONS IN EC</b>	<b>STATUS OF COMPLIANCE</b>
G-1	Rain Water Harvesting facility should be installed as per the prevailing Provisions of KMBR/KPBR, unless otherwise specified.	Would be provided.
G-2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	An Environment Monitoring Cell is constituted and made functional <b>INDEX IV.c</b>
G-3	Suitable avenue trees should be planted along either side of tarred road and open parking areas, if any, inclusive of approach road and internal roads.	Avenue trees by way of natural vegetation are present along either side of the tarred road, both approach road and internal road. <b>PLATE 2</b>
G-4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	The working of the quarry is only in day time. So we will arrange few solar devices in the office for general purpose.
G-5	Sprinklers shall be installed and used in the project site to contain dust emissions.	Sprinklers are used in the project site to contain dust emissions. The haulage road is provided with stationary sprinklers also to avoid dust emission.
G-6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	It is assured that eco-restoration including the mine closure plan will be done at the own cost of the project proponent. <b>ANNEXURE 1</b>
G-7	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 E.C	At the time of the closure of the mine, it shall be ensured that the directions contained are scrupulously followed.
G-8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	Activities towards Corporate Social Responsibility are being implemented. <b>ANNEXURE 6</b>
G-9	The lease area shall be fenced off with barbed wires to a minimum 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.	The total mining area has been covered by barbed wire fencing to avoid inadvertent entry of human being and also for falling of animals etc.
G-10	Warning alarms indicating the time of blasting (to be done at specific timings)	The warning alarms are provided and also the blasters assistant will check the surroundings

	has to be arranged as per Stipulations of Explosive Department.	of the blasting area before the blasting is started to prevent the entry of humans and animals to the blasting zone.
G-11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Scrupulously follows the directions contained.
G-12	Quarrying activities should be limited to day time as per KSPCB guidelines.	Quarrying activities is limited as per KPSCB guidelines.
G-13	Blasting should be done in a controlled manner as specified by the regulation of explosives Department or any other concerned agency.	Scrupulously follows the directions contained. <b>ANNEXURE 2</b>
G-14	A licensed person should supervise/control the blasting operations	Scrupulously follows the directions contained. Licensed persons for supervising the blasting and other operations in the site are implemented.
G-15	Access roads to quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	The access road to the site is maintained well and sprinkled with water to avoid dust generation during transportation of minerals. <b>PLATE 9 &amp;13</b>
G-16	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/ specific conditions.	Overburden is stacked in pre-determined site specified for the purpose.
G-17	Height of benches should not exceed 5 m and width should not be less than 5 m if there is no mention is the mining plan/specific conditions.	Height of the bench is always maintained below 5m and width of the bench is kept at 10-15m for the easy movement of excavators and trucks. <b>PLATE 4</b>
G-18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Would be provided.
G-19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Maximum depth of the mining is limited as per the conditions.
G-20	Non mining operations should be carried out at places having a slope greater than 45°.	It is ensured that no mining is carried out at places having slope greater than 45°.
G-21	Acoustic enclosures should have been 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.	Acoustic enclosures are provided for the existing crusher unit as prescribed standards given by CPCB/KSPCB. <b>PLATE 16</b>
G-22	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	The workers on the site is would be provided with the required protective equipment such as ear muffs, helmet, etc in the time of starting of work.

G-23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Drainage facility is provided in the site. <b>PLATE 11</b>
G-24	The transportation of minerals should be done in covered trucks to contain dust emissions.	The transportation of minerals are done in covered trucks.
G-25	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	Saplings are planted.
G-26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Disposal of spent oil from diesel engines is done under relevant Rules/Regulations.
G-27	Explosives should be stored in magazines in isolated place specified and approved by Explosive Department.	Explosives are stored in magazines in isolated place. <b>PLATE 8</b>
G-28	A Minimum buffer distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structure not being any facility for mining shall be provided.	Scrupulously follows the directions contained.
G-29	100 m buffer distance should be maintained from forest boundaries.	Statutory safe distance shall be maintained without fail.
G-30	Consent from Kerala State Pollution, Control Board under Water and Air (Acts) should have been obtained before initiating mining activity.	Consent issued from Kerala state pollution control board (file no: PCB/KNR/ICO/1965/2007 dated 06/12/2017 Valid up to 30/11/2020) <b>ANNEXURE 3</b>
G-31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	All the required statutory clearances have been obtained from the respective authorities. And all the copies are attached.
G-32	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/ impacts as assessed, based on which only the EC is issued. The projects would require a fresh appraisal by this authority, for which the proponent shall apply and get the approval of this Authority.	The company shall abide by the directions of SEIAA Kerala in such a context. If arises.

G-33	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	All the safeguard measures are done as per Environment (Protection) Act, 1986.
G-34	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with including the provisions of Water(Prevention and Control of Pollution)Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Scrupulously follows the directions contained and is reviewed periodically by the management.  <b>ANNEXURE 3</b>
G-35	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the 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 State Environment Impact Assessment Authority(SEIAA) office 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 a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation	Advertisement regarding the obtaining of EC were given in 2 local newspaper and submitted a copy of it as a proof in first compliance report.
G-36	A copy of the clearance letter shall be sent by the proponent to concerned GramaPanchayat/District Panchayat/ 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.	Scrupulously follows the directions contained. Copy of the EC is submitted to the concerned panchayath.  <b>ANNEXURE 4</b>



G-37	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) and upload the Status of compliance of the stipulated EC conditions, including results of monitored data on their website. 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	Conditions are being complied with. This report is in compliance with submission of six monthly compliance reports.
G-38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft 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.	The conditions of Environmental Clearance are prominently displayed in a metallic board.  <b>PLATE 6</b>
G-39	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.	The proponent has provided notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC has been scrupulously followed. <b>ANNEXURE 5</b>
G-40	No change in mining technology and scope of working should be made without prior approval of the SEIAA , No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.	Scrupulously follows the directions contained.
G-41	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	Ensured that no natural water course and/or water resources were obstructed due to any mining operations.
G-42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points &	We are scrupulously following the directions contained as per the conditions from Pollution Control Board.  <b>ANNEXURE 7</b>

	transfer point to reduce fugitive emissions.	
G-43	<p>The top soil, if any, shall temporarily be 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 dumpsite(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface runoff. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.</p>	<p>The temporarily stored top soil only used for land reclamation and plantation process, and ensured that the maximum height of the dumps shall not exceed 8m and width 20m and overall slope of dumps shall be maintained to 45°. The OB dumps are scientifically vegetated with suitable native species to prevent erosion and surface runoff. The entire excavated area will be backfilled. Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining.</p> <p><b>PLATE 5</b></p>
G-44	<p>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 in to the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green development etc. The drains shall be regularly de silted particularly after monsoon and maintained properly.</p>	<p>Catch drains and siltation ponds of appropriate size will be constructed around the mineral dumps. The water so collected will be used according to the directions of SEIAA. <b>PLATE 11</b></p>
G-45	<p>Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading points and transfer points-it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p>	<p>Scrupulously follows the directions contained and ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p>
G-46	<p>Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained</p>	<p>There is a regular control on dust emission sources. Water spraying arrangements are properly maintained.</p>

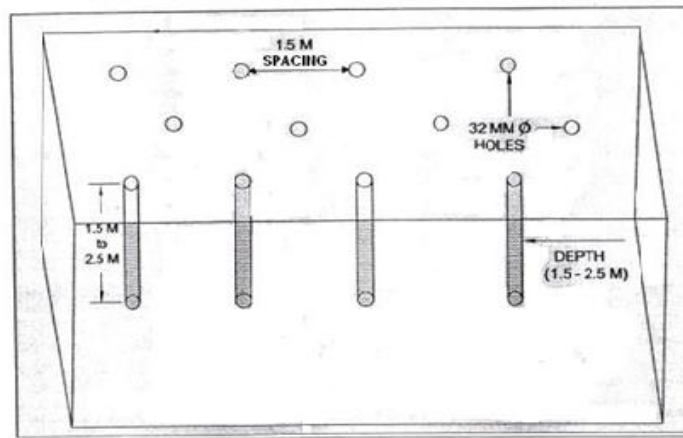


G-47	Measures should be taken for control of noise levels below 85dBA in the work environment.	Measures have been taken for the control of noise levels below 85 DbA in the work environment.
G-48	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A separate environmental management cell with suitable qualified personnel has been set-up under the control of a Senior Executive, who will report directly to the Head of the Organization. <b>INDEX.IV.c</b>
G-49	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.	The funds earmarked for environmental protection measures and CSR activities are being kept in separate account and have not been diverted for other purposes. Year wise expenditure will be reported to the State Environment Impact Assessment Authority (SEIAA) office. <b>ANNEXURE 6</b>
G-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.	The Regional office of MOEF &CC located at Bangalore can monitor compliance of the stipulated conditions any time. The project authorities will extend full cooperation to the officer(S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
G-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.	There is no appeal against EC and we are strictly following the rules and Scrupulously follows the directions contained.
G-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	Strictly follow the rules, if any factual data is concealed or false/fabricated data is submitted and failure to comply with any of the conditions mentioned above is found.
G-53	The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or this implementation 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.	SEIAA can revoke any order if any of the specific or this implementation of any of the above conditions is not satisfactory.

G-54	The above conditions shall prevail not withstanding 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.	Yes, all the above conditions shall prevail not withstanding 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.
G-55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.	Yes, this order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.
G-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.	Yes, the Environmental Clearance is subjected to the final order of the courts in any pending litigation related to the land or project, in any court of law.
G-57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The mining operation has been restricted to above ground water table and it will not intersect ground water table.
G-58	All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking center. Washing of all vehicles shall be inside the lease area.	Scrupulously follows the directions contained.
G-59	Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.	Scrupulously follows the directions contained.
G-60	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area will be carried out and reported in the six monthly reports to SEIAA .
G-61	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance program of the workers will be done periodically to observe any contractions due to exposure to dust and corrective measures will be taken, if needed.

#### IV.a. DRILLING

The excavation of mineral is proposed by excavators. The mineral is fractured and easily exploitable by rock breakers and excavators. The hard strata are proposed to excavate after drilling and blasting. The cross-sectional view of drilling operations is shown below:-



##### **Salient features of drilling**

- About 30 to 50 holes per blast of 32 mm dia and to a depth of 2 to 2.5m will be adopted.
- It is estimated about 2 to 3 T production per hole.
- Number of blasts per day depends upon the workable area and production to be achieved.
- The spacing of 1.0 to 1.5m between the holes will be adopted.
- About 250g per hole of explosive will be used. However, 10 kg/blast will be adopted at any point of time.
- Millisecond electric blasting will be adopted to limit the PPV and Noise levels within the stipulated standards.

#### **IV.b. BLASTING**

The controlled blasting is proposed by adopting all the safety measures as per “MMR 1961” and with the permission of DGMS.

In this area for fragmentation of granite the blasting will be conducted. Multiple blast holes of 1.0 to 1.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.

It is estimated about 250 g of explosives per hole is required. About 30 – 50 holes per blast are proposed. Therefore, the requirement of explosives will be about 10 kg/ blast.

##### **2.6.6.1 BLASTING SAFEGUARD**

- Blasting in the open cast pits will be done only during day time at designated hours.
- Only competent blasters will be appointed to handle explosive.
- Explosives will be stored in approved and licensed magazine as per Explosive Act/ Rules.
- Explosives will be brought from magazine to blasting site in licensed Explosive Van under the care of blaster.
- Sufficient warning signals will be given before blasting the holes.
- Guards will be posted on all roads and paths at least 250 m distance to stop entrance to the danger zone during blasting hour.
- Controlled blasting will be practiced to control vibrations and flying fragments.
- Optimum charge will be used, while blasting near office complex/ infrastructure site.
- Maximum charge per delay will always be less than 10kg to limit the PPV levels within the DGMS standards of 15 mm/sec.

#### **IV.c. DETAILS OF ENVIRONMENTAL MONITORING CELL**

An environmental monitoring cell was formed with Mr. K.C. James head of the monitoring cell and made functional. Meeting of monitoring cell is arranged monthly and discuss the status of the compliance of the specific and general conditions contained in the Environmental clearance order. The details of the monitoring cell members are given below:-

<b>Sl. No.</b>	<b>Post</b>	<b>Name</b>
<b>1</b>	Head of the monitoring cell	Mr.K.C.James (Managing Partner)
<b>2</b>	Head in charge (Environment)	Mr. Fedrine Jose
<b>3</b>	Senior Environmental Officer	Mr. Benny
<b>4</b>	Environmental Officer	Mr. Toby
<b>5</b>	Name of the environmental officer in charge	Mr. Santhosh
<b>6</b>	Name of the officer Environment, Health and safety	Mr. Linto
<b>7</b>	Name of the Assistant Officer of Environment,Health and safety	Mr.Rince
<b>8</b>	Name of the environmental consultant	GEC Mining Solutions

#### **IV.d. LIST OF TREES IN THE QUARRY SITE**

Natural vegetation including trees, shrubs and herbs present in the quarry site are mentioned in the table below:-

<b>Sl No.</b>	<b>Scientific Name</b>	<b>Common Name</b>	<b>Family</b>
<b>1</b>	<i>Hevea brasiliensis</i>	Rubber	Euphorbiaceae
<b>2</b>	<i>Mangifera indica</i>	Mango tree	Anacardiaceae
<b>3</b>	<i>Macaranga peltata</i>	Vatta	Euphorbiaceae
<b>4</b>	<i>Cocos nucifera</i>	Coconut Tree	Areaceae
<b>5</b>	<i>Borassus flabellifer</i>	Palm	Areaceae



## V. PLATES

### Plate -1

#### Quarry Site





## **Plate -2**

Photographs showing natural vegetation in the approach sides of roads





### **Plate -3**

Photographs showing natural vegetation in the project area





#### **Plate -4**

Benches in the project area





## **Plate -5**

Photograph showing Top soil Dump yard





## **Plate -6**

Photograph showing details of the environmental clearance prominently displayed in a metallic board



**Plate -7**

Rest room for Workers





**Plate -8**

Explosive magazine





## **Plate -9**

### **Tarred Road**





**Plate -10**

**Boundary Pillar**





## **Plate -11**

### **Drainage**



## Plate -12

### Warning Sign Board





### **Plate -13**

#### **Concrete Road**



**ANNEXURE 1**

**AFFIDAVIT FOR ECO-  
RESTORATION**





കേരളം KERALA

Page No. 1  
Total 2 Pages

24AA 187436

### AFFIDAVIT

I, K.C James, Managing Partner and Authorized signatory of M/s Everest Stone Crusher & Granites, having its correspondence office at MT-89-V Highway Arcade, Kannur, Kerala - 670 002, do hereby affirm and confirm as follows:-

1. That, I am running a Quarry Project in Survey Nos. 4(p) at Eruvessi Village, Eruvessi Panchayath, Thaliparambu Taluk, Kannur district, Kerala.
2. That, the eco-restoration including the mine closure plan will be done at our expenses.



12/12/18  
R. ROOPESH M.P.  
ADVOCATE & NOTARY  
KANNUR

*[Signature]*  
DEPONENT



K.C. James Managing Partner,  
Everest Stone Crusher &  
Granites,  
Kannur





കേരളം KERALA

2

Page No. 2  
Total Pages

24AA 187437

Verification:

Verified that my above statements are true to the best of my knowledge and belief and no material has been concealed therein.



Date: 11/12/2018

*[Signature]*  
DEPONENT

Literate deponent / Executants solemnly affirm and signed this before me on this 12th Dec 2018 at Kannur entered in volume No. XX? Page No. 15 Serial No. 3453

107000

K.C. James

Managing Partner Everest  
Stone Crushers & Granites  
Kannur.



*[Signature]* on receipt

**ANNEXURE 2**  
**EXPLOSIVE LICENSE**



## 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।)

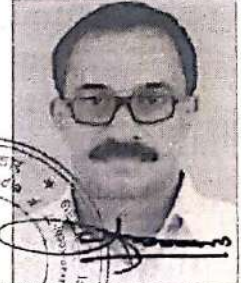
(See article 3(a) to (d) of Part I of Schedule IV of Explosives Rules, 2008)

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

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/22/1226(E45033)

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



1. Licence is hereby granted to

Shri K.C. James Managing Partner (अधिभोगी / Occupier : Shri K.C. James, Managing Partner),  
M/s. Everest Stone Crusher & Granites, MT-89-V, Highway Arcade, Thana, Kunnur, Town/Village -  
Thana, District-KANNUR, State-Kerala, Pincode - 670002

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की प्रास्थिति | Status of licensee : Partnership Firm

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमान्य है।

possess for use of Nitrate mixture - Slurry and Emulsion  
Explosives, Safety Fuse, Electric Detonators, Ordinary  
Detonator, - के उपयोग के लिए

Licence is valid only for the following purpose.

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 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 - Slurry and Emulsion Explosives	2,0	0	100 Kg.
2.	Safety Fuse	6,1	0	2000 Mtrs
3.	Electric Detonators	6,3	0	1500 Nos.
4.	Ordinary Detonator	6,3	0	1500 Nos.

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

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

10 times  
as above.

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/22/1226  
(E45033)  
दिनांक (Dated) 11/05/2011

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

Survey No(s). 4, ग्राम (Town/Village) : Eruvessy village, taliparamba taluk, कूदियनमला थाना (Police Station) : Kudiyanmala  
जिला (District) KANNUR राज्य (State) Kerala पिनकोड (Pincode) 670602  
दूरभाष (Phone) 9961660331 ई. मेल (E-Mail) फैक्स (Fax)

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।

The licensed premises consist of following facilities.

portable explosives magazine of D and E type  
manufactured by thekkans engg and fabrication unit  
cochin

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबद्धों के अधीन रहते हुए अनुदत्त की



जाती है।

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

1. 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.
2. अनुज्ञप्ति प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञप्ति की शर्तें और अतिरिक्त शर्तें।  
Conditions and Additional Conditions of this licence signed by the licensing authority.
3. दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञप्ति तारीख 31 मार्च 2015 तक विधिमान्य रहेगी। This licence shall remain valid till 31st day of March 2015.

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

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

Sd/-

तारीख | The Date - 11/05/2011

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

**Amendments :**

- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 10/10/2013

**Transfers :**

- Change in Licensee Name/Address/Status dated : 22/07/2013

नवीनीकरण के पृष्ठांकन के लिए स्थान  
Space for Endorsement of Renewal

नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
29/03/2019	31/03/2024	Dy. Chief Controller of Explosives, Ernakulam कृते उप मुख्य विस्फोटक नियंत्रक For Deputy Chief Controller of Explosives एरनाकुलम Ernakulam

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

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

**ANNEXURE 3**  
**POLLUTION**  
**CERTIFICATE**



## KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/KNR/ICO/1965/2007

Date of issue :28/10/2020

### INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/KNR/ICO-R2/7/2016

Ref : 1. Consent no. PCB/KNR/ICO/205/2014 dated 16/05/2014

2. Consent no. PCB/KNR/ICO-R/7/2016 dated 06/01/2016

3. Consent Variation Order no. PCB/KNR/ICO-R/7/2016 dated 06/12/2017

The ' Integrated Consent to Operate' issued as per reference above to M/s QUARRY OWNED BY EVEREST STONE CRUSHER & GRANITES, ERUVASSY,KAYALAMPARA P. O., KANNUR DT - 670632 is hereby renewed up to 30/11/2025 and issued to M/s QUARRY OWNED BY EVEREST STONE CRUSHER & GRANITES, ERUVASSY,KAYALAMPARA P. O., KANNUR DT - 670632 The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

#### I. GENERAL

S.No.	Items	Description
1	1.1 VALIDITY	30/11/2025
2	1.5 SURVEY NUMBER	4/2608,4/2609,4/2610,4/2611,4/2612 (Old Survey No-4)
3	1.13 ANNUAL FEE	18000/-
4	1.13 TOTAL FEE REMITTED	110,300 /-

#### II. Stack Details

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

#### III. CONDITIONS

This consent is valid upto 30/11/2025. For continuing to operate beyond the validity date application for the renewal has to be submitted through online (website: krocmms.nic.in) before 31/08/2025.

4.13 This consent is issued subjected to Environmental Clearance No.83/2017 by State Environment Impact Assessment Authority letter No.709/SEIAA/KL/5786/2014 Dated 21/11/2017.

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

**ANITA  
KOYAN**

Digitally signed by  
ANITA KOYAN  
Date: 2020.10.30  
12:47:47 +05'30'

DATE :28/10/2020

SIGNATURE & SEAL OF ISSUING AUTHORITY  
ENVIRONMENTAL ENGINEER



**To**

K.C JAMES, MANAGING PARTNER, EVERST STONE CRUSHER & GRANITES, MT 89 V,  
HIGHWAY ARCADE, KANNUR DT - 670002

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

**ANNEXURE 4**

**PANCHAYATH LICENSE**





നമ്പർ: 205/2020-2021/B4/950/2020

തീയതി: 1/4/2020

## എരുവേശി ഗ്രാമപഞ്ചായത്ത്

ചെമ്പേരി പി.ഒ., കണ്ണൂർ (ജില്ല)

ഫിൻ : 670632, ഫോൺ : 4602212328, ഇ-മെയിൽ : thodiyorgp@gmail.com

**വ്യവസായം, വാണിജ്യം, സംരക്ഷകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്**

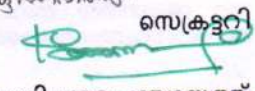
**(കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FTE & OS ലൈസൻസ് ചട്ടങ്ങൾ 1996)**

ലൈസൻസിയുടെപേര്	കെ സി ജയിംസ്		
ലൈസൻസിയുടെ മേൽവിലാസം	മാനേജിംഗ് പാർട്ണർ, എവറസ്റ്റ് സ്റ്റോൺ ക്രഷർ& ഗ്രാനൈറ്റ്സ് MT-89V, ഹൈവേ ആർക്കേഡ്, കണ്ണൂർ		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	എവറസ്റ്റ് സ്റ്റോൺ ക്രഷർ& ഗ്രാനൈറ്റ്സ്, അരികമല		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	കരിങ്കൽ ഖനനം		
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	III/0		
ലൈസൻസ് കാലാവധി	1/4/2020	മുതൽ	31/03/2025 വരെ
ലൈസൻസ് ഫീസ് മോട്ടോർ ഫീസ് തൊഴിൽ നികുതി	തുക	രസീത് നമ്പർ	തീയതി
	25000 /- രൂപ	911354100062	18/3/2020
	2500 /- രൂപ	911354100062	18/3/2020
	2500 /- രൂപ	911354100063	18/3/2020
ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ ( നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം )	<ol style="list-style-type: none"> <li>1. കേരള സ്റ്റേറ്റ് പൊലുഷൻ കൺട്രോൾ ബോർഡ്-CONSENT NO:PCB/KNR/CO-R-7/2016 DATED 06/12/2017, VALIDITY-30/11/2020</li> <li>2. എറണാകുളം ഡിപ്യൂട്ടി ചീഫ് കൺട്രോളർ ഓഫ് എക്സ്പ്ലോസീവ് ലൈസൻസ് പകർപ്പ് validity-31/3/2024</li> <li>3. ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ മറ്റുകുപ്പുകളിൽനിന്നുള്ള നിരാക്ഷേപസാക്ഷ്യപത്രത്തിന്റെ കാലാവധി അവസാനിക്കുന്നതിനുമുമ്പ് ആയത് പുതുക്കിസമർപ്പിക്കാത്തപക്ഷം പുതുക്കേണ്ട തീയതിക്കു</li> </ol>		

ജോലി ചെയ്ത ലൈസൻസ് രേഖപ്പെടുത്തുന്നതിന് സെക്രട്ടറി

ഓഫീസ് മുദ്ര



  
**എരുവേശി ഗ്രാമപഞ്ചായത്ത്**  
**PRASANNAKUMAR N.N**  
 Secretary  
 Eruvessy Grama Panchayath  
 Chemperry P.O, Kannur-670632  
 Ph: 9496049056

**ANNEXURE 5**

**AFFIDAVIT FOR EC**

**CONDITIONS**





കേരളം KERALA

Page No. 1  
Total 2 Pages

24AA 187434

I, K.C James, Managing Partner and Authorized signatory of M/s Everest Stone Crusher & Granites, having its correspondence office at MT-89-V-Highway Arcade, Kannur, Kerala - 670 002, do hereby affirm and confirm as follows:-

1. I am running a Quarry Project in Survey Nos. 4(p) at Eruvessi Village, Eruvessi Panchayath, Thaliparambu Taluk, Kannur district, Kerala.
2. That, all the conditions stipulated in the Environment Clearance would be scrupulously followed.



12/12/18  
ROOPESH M. P.  
ADVOCATE & NOTARY  
KANNUR

DEPONENT

106997 K.C. James Managing Partner,  
Everest Stone Crushers &  
Granites,  
Kannur.  
11-12-18 100  
കണ്ണൂർ ജില്ലയിൽ ആഫീസ് ആകട്ടെ  
കെ.പി. ജമീഷ്







കേരളം KERALA

2

Page No. 2  
Total 2 Pages

24AA 187435

Verification:

Verified that my above statements are true to the best of my knowledge and belief and no material has been concealed therein.



*[Signature]*  
DEPONENT

Literate deponent / Executants solemnly affirm and signed this before me on this 12th day of Dec 2018 at Kannur entered in volume No. xxi Page No. 15 Serial No. 3452

106998. പേര് K.C. James Managing Partner,  
Everest Stone Crushers &  
Granites.  
Kannur  
തീരുതി 11-12-18 ക. 000  
കണ്ണൂർ താലൂക്ക് ആഫീസ് ആക്ടിങ്ങ്  
സബ് റെ. പി. ഇൻഷിഷ്



**ANNEXURE 6**

**CORPORATE SOCIAL  
RESPONSIBILITY**



# Eruvessy Grama Panchayath

CHEMPERI P.O. - 670 632  
KANNUR DT.



TESSY EMMANUEL  
PRESIDENT  
Ph: 0460 2212 328(O)  
9496049055 (Mob)

THURUVACKEL (H)  
VEMBUVA, PAYYAVOOR P.O. - 670 633  
Ph: 9744772747  
tessyemmanuel.te@gmail.com

Ref: -

Date: 24/06/2021

മുൻപോൾ ഉപയോഗിച്ചിരുന്ന വിദ്യാർത്ഥി  
കൾക്കായി "ജ്ഞാനദാതാ കൗടുകൾ" എന്ന  
പേരിൽ പദ്ധതി പ്രഖ്യാപിക്കുകയും - മെമ്പർമാർ  
മേൽ ഉപയോഗിക്കുകയും കൗടുകൾ:- ഓൺലൈൻ  
വിദ്യാഭ്യാസം സൗകര്യമുണ്ടാക്കി:- നല്ല വരിൽ നല്ല  
വരയ്ക്കുള്ളിൽ നിന്നും ഓൺലൈൻ ജീവനായി  
50 - മെമ്പർമാർ പദ്ധതി കൗടുകൾക്ക് നൽകി.  
പ്രതിവർഷം "കൗടുകൾ കൗടുകൾ" ഓൺലൈൻ  
നൽകുന്നതിൽ 50,000/ Rs- ~~കൗടുകൾ~~ നൽകി.

  
TESSY EMMANUEL  
PRESIDENT  
ERUVESSEY GRAMA PANCHAYATH  
CHEMPERI P.O. KANNUR - 670632  
Office: 04602-2212328  
Mob: 9496049055 9744772747



**EVEREST  
STONE**  
CRUSHER & GRANITES

സ്മാർട്ട് ഫോൺ ഉപയോഗത്തിൽ വേണ്ടി  
പരസരിക്കൽ ചെയ്തിട്ടു് അനുഭവിച്ചതും വിദ്യാനുഭവങ്ങൾ  
പലതരം അനുഭവങ്ങൾ എടുത്തു് ഗ്രാമപഞ്ചായത്ത് അംഗീകരിച്ചു.  
2, പരിപാടിയിൽ 50000/- രൂപയ്ക്കായി എടുത്തു് സ്റ്റോർ  
ക്രഷർ വാങ്ങി.

അസിസ്റ്റന്റ് സെക്ഷനറി

എസ്റ്റേറ്റ് സ്റ്റോർ ക്രഷർ





**EVEREST  
STONE**  
CRUSHER & GRANITES

1. വിപിസി വിവരങ്ങൾക്കു 10,000/- രൂപ  
പറ്റാവുന്നതായി നൽകി.
2. അൽ കിദ് ന്റെ ചരിത്രങ്ങൾ ട്രസ്റ്റിലേക്ക് 18,000/- രൂപ  
പറ്റാവുന്നതായി നൽകി.
3. എറോഡിലായ ശരിക്ക് 10,000/- രൂപ പറ്റാവുന്നതായി  
നൽകി.
4. എട്ടാൻ ഞാൻ്റെ പെരുപ്പിൻ & എൻ്റെ പെരുപ്പിൻ  
ആവർത്തി - ലേക്ക് 3000/- രൂപ പറ്റാവുന്നതായി  
നൽകി.

മാനേജർ

എസ്. സി. സി. സ്റ്റോൺ ക്രഷർ.

Name: Jinoji Jemini

Age: 42

Date: 23/12

Rx

Sex: F

MIMS No. 800122816.

Conus Indur

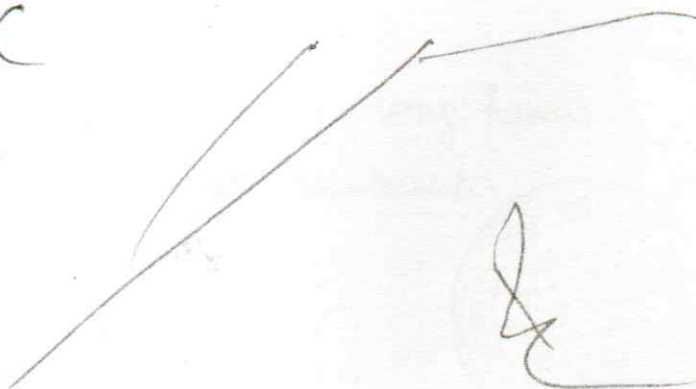
Ad

① T. Niflas 100 H5x 100x  
x 300x

+ ② ap Tor @ SR Ang

1 ———— 0 ———— 0 x 300x

Phy CIC



**MEDICAL CERTIFICATE FOR AVAILING FINANCIAL ASSISTANCE FOR  
TREATMENT**

*(To be issued by the Head of Hospital where the patient undergoes treatment)*

1. Name and Address of the Patient : Mr. Jinoji Jemini
2. OP/IP No. With date of registration/ admission : 800122816 - 20/7858
3. Description of disease : CONUS EPICONUS SYNDROME  
SPINAL CORD LESION
4. Treatment recommended : Conservative / medical
5. Expenditure already incurred, if any : Separately attached.  
₹ 280767/-
6. Anticipated expenditure of the treatment: undergoing/recommended
7. Remarks : Patient requires long term followup and treatment.
- Date : 12/10/2020
- Dr. SREEJITH PEEDIACKAL  
MD, PhD (Neurology)  
Reg. No. 144  
Consultant  
Department of Neurology  
Aster MIMS Hospital, Kannur-570011
- Signature and Name of the issuing authority and Name and address of the Hospital
- Aster MIMS  
Well Treat You Well  
P.O. Chalo East  
Kannur-570021  
Kerala

(Office Seal)



3032



# Government Medical College Hospital Kannur

Pariyaram, Kannur, Kerala, India.

Phone 04972 808111 Email kchc@mcparyaram.com

## OP CASE SHEET



MRNO	: SHRP0000006722	Date	: 02-07-20
Patient Name	: Mr VARKEY KALAYANTHANATH	Department	: Cardiology
Age/Sex	: 65Yrs 2Mth 13Dys/MALE	Consultant	: CARDIOLOGIST UNIT 2
Address	: KALAYANTHANATH CHEMPERY Kannur	Consultation Type	: REVISIT
Visit No	: OP-020	Consultation Fee	:
Mobile No	: 9207240494	Patient Type	: General
Invoice No.	: INV-A-SHRP-20017248	Old MRN	:

CHD

OS-ASD

Semi TR

Mod IAH

A/C CVC

PT/INR 16.6

1.31

A/C 2Mth

T 1T/INR

T. WAF 34

001 @ 6PM

T. BILWAF 24

1-01

T. PIGONIN 0.67

100 (5/2)

T. HON plus 10/12

100

T. PANCOR 4004

1-01

He

SEROUS 2404

1-01

L.S.



9207240494



# Lourde Hospita

Taliparamba, Kannur, Kerala-670 141, Inc

Tel: 0460 2200161-164 (5 Lines) 230111

Fax: 0460 2200775, E-mail: lourdehospital@gmail.co

For Appointments/Booking: 0460 230111

## OUT PATIENT RECORD

Hospital ID : H20-29181

Name : VARKEY

Consultant :

Date : 17/08/2020 Time :

Category :

Age : 48 Y Sex : M House Name :

Place : KAYALAMPARA P.O. :

Tel : KAYALAMPARA

Valid upto: 29/08/20

### MEDICINE Dr. PLACID SEBASTIAN

Dr. K.J. Devasia, MBBS, MD

Chief Physician

Dr. Charles S Manian, MBBS, MD, MRHS

PGDHS in Diabetology

Dr. Sabir C., MBBS, MD (Chest Physician)

Dr. Shabeer Fakruddeen, MBBS, MD

(General Medicine)

(Fellowship training in critical care medicine)

11.30 a.m. to 2 p.m.

### CARDIOLOGY

Dr. Placid Sebastian, MBBS, MD, DM (Vellore)

(Monday: 8 am - 1 pm)

### ORTHOPAEDICS

Dr. Vittaldas Pai B., MS (Ortho) D Ortho

Dr. Sandeep Shibli, MS (Ortho) D Ortho

### GENERAL & LAPAROSCOPIC SURGERY

Dr. Rajith Kishore, MBBS, MS, DNB,

FMAS (WLH GURGAON)

### OBSTETRICS & GYNAECOLOGY

Dr. Jojo George, MD

Dr. Pratheesh Rajendran, MBBS, MS (Gynec) FRM

Dr. (Mrs) Nohal Haneef, MBBS, MS (OBGY)

Dr. Harish K.S., MBBS

### PAEDIATRICS & NEONATOLOGY

Dr. M.P. Subramanian, MBBS, DCH

### UROLOGY

Dr. Sooraj Vijayan, MBBS, MS (General Surgery)

(Monday: from 3 p.m.) Mch (Urology)

### NEPHROLOGY

Dr. Bijoy Antony, MBBS, MD (General Medicine)

(Tuesday: 8 am - 1 pm, DM (Nephrology))

### NEUROLOGY

Dr. Sreejith Peediackal, MBBS, MD (Gen. Med.)

(Wednesday: 11 am - 2 pm) DM (Neurology)

### ONCOLOGY

Dr. Sujithkumar M., MBBS, MD, DNB,

(Wednesday: 11 am - 3 pm) DM (Medical Oncology)

### GASTRO ENTEROLOGY

Dr. Rathan Cyriac Joseph, MD, DM, (Gastro)

(Monday & Friday: 3 pm - 6 pm)

### ENT

Dr. Sachin M.R., MBBS, MS (ENT)

### DERMATOLOGY

Dr. Balasubrahmanya Bhal N., MBBS, DDVL

### PSYCHIATRY

Dr. Arun N., MBBS, MD (Psy)

(Monday - Saturday - 4 pm - 6 pm)

### RADIOLOGY

Dr. Sneha Mathew, MBBS, DMRD

### ANAESTHESIOLOGY

Dr. K.P. Jayakrishnan Nambiar, MBBS, MD

### CASUALTY MEDICAL OFFICER

Dr. K.P. Mohammed Kunhi, MBBS

Dr. Sanniya Mehboob, MBBS

### Clinical Findings 9207240494

### Medication

### Investigations

TOKEN : 51

C/N - OS ASX

Severe TR

mod to severe PAH

RV dysfunction

Global hypo

mod LV, mod MR

130/80

RR 88

Sat 94%

Bp-130/80

P-88b/l

SpO2-94%

1 NR 13

100/100

PTC 100

1.34

T waf 3mg x 4mg at day

T sildenafil 25mg 1-0-1

T nifedipine 0.5 mg 5/7

T metoprolol 25 10/1-0-0

T atorvastatin 40 1-0-1

seroflo R 250 1-0-1

\* അടുത്ത തവണ വരുമ്പോൾ ഈ ചീട്ട് നിർബന്ധമായും കൊണ്ടുവരേണ്ടതാണ്



**ANNEXURE 7**

**MONITORING REPORT**

## TEST REPORT

Test Report No: 20210621/R029	Date: 25-06-2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	Mr.K C James M/S Everest Stone & Granites Highway Arcade,Kannur, Kannur District,Kerala
Customer Reference	Test Request dt : 21-06-2021

SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Sample Code	20210621/S029
Sample Name	Ambient Air	Sample Received on	22-06-2021
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	22-06-2021
Sampled by	Lab Authorized Sampler	Test Completed on	25-06-2021
DETAILS OF SAMPLING			
Sampling Location	Near East Side Boundary	Date of Sampling	21-06-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/02	Humidity	67%

SAMPLING SITE DETAILS			
Re Survey No.	4(p)		
Village	Eruvessi	Taluk	Thaliparambu
District	Kannur	State	Kerala

TEST RESULTS - CHEMICAL PARAMETERS					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ Standards
1	Particulate Matter, PM <sub>10</sub>	IS 5182 (Part 23):2006	µg/m <sup>3</sup>	65.1	Max 100
2	Particulate Matter, PM <sub>2.5</sub>	EPA 40 CFR (Part 50) Appendix - L	µg/m <sup>3</sup>	24.5	Max 60
3	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001 RA 2017	µg/m <sup>3</sup>	< 2.00	Max 80
4	Oxides of Nitrogen as NO <sub>2</sub>	IS 5182 (Part 6): 2006 RA 2017	µg/m <sup>3</sup>	< 2.00	Max 80


Remarks:

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

  
**Rija Joseph**  
Technical Manager

Checked by:



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

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

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

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

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



## TEST REPORT

Test Report No: 20210621/R030	Date: 25-06-2021	Page 1 of 1
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CUSTOMER DETAILS	
Customer Name & Address	Mr.K C James M/S Everest Stone & Granites Highway Arcade,Kannur, Kannur District,Kerala
Customer Reference	Test Request dt : 21-06-2021

DETAILS OF MONITORING			
Product Category	Atmospheric Pollution	Sample Code	20210621/S030
Sample Name	Ambient Noise	Monitoring Commenced on	21-06-2021/ 06:00
Monitoring Location	Near East Side Boundary	Monitoring Completed on	22-06-2021/ 06:00
Test Method	IS 9989:1981 RA:2008	Monitored by	Lab Authorized Sampler

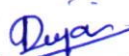
MONITORING SITE DETAILS			
Re-Survey No.	4(p)		
Village	Eruvessi	Taluk	Thaliparambu
District	Kannur	State	Kerala

MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)
06:00	38.1	14:00	51.1	22:00	36.9
07:00	40.9	15:00	51.5	23:00	33.1
08:00	45.2	16:00	52.7	24:00	35.5
09:00	48.7	17:00	53.1	01:00	36.1
10:00	51.1	18:00	47.6	02:00	35.8
11:00	54.2	19:00	44.0	03:00	36.5
12:00	51.5	20:00	40.1	04:00	35.5
13:00	50.7	21:00	39.6	05:00	37.2

TEST RESULTS			
Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time (06:00 to 22:00)	dB(A)	49.6
2	Ambient Sound Level (Leq) Night Time (22:00 to 06:00)	dB(A)	35.8

Remarks:

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

  
**Rija Joseph**  
Technical Manager

Checked by:



  
**Laiju P. N.**  
Laboratory Head

Authorized Signatory

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



## TEST REPORT

Test Report No: 20210621/R031	Date: 25-06-2021	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	Mr.K C James M/S Everest Stone & Granites Highway Arcade,Kannur, Kannur District,Kerala
Customer Reference	Test Request dt : 21-06-2021

SAMPLE DETAILS			
Product Category	Water	Sample Code	20210621/S031
Sample Name	Drinking Water	Sample Received on	22-06-2021
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	4 °C
Sample Quantity& Packing	2L & 100ml Plastic Bottle	Test Commenced on	22-06-2021
Sampled by	Lab Authorized Sampler	Test Completed on	25-06-2021


DETAILS OF SAMPLING			
Sample Source	Bore Well	Date of Sampling	21-06-2021
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	31 °C

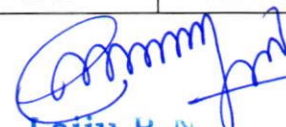
SAMPLING SITE DETAILS			
Re-Survey No.	4(p)		
Village	Eruvessi	Taluk	Thaliparambu
District	Kannur	State	Kerala

TEST RESULTS- CHEMICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012
1	Colour	IS 3025 (Part 4):1983 RA 2017	Hazen	1.00	Max 5
2	Odour	IS 3025 (Part 5):2018	---	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10):1984 RA 2017	NTU	0.20	Max 1
4	pH	IS 3025 (Part 11):1983 RA 2017	---	6.98	6.50 – 8.50
5	Conductivity	IS 3025 (Part 14):1984 RA 2019	µS/cm	91.0	---
6	Total Dissolved Solids	IS 3025 (Part 16):1984 RA 2017	mg/L	59.0	Max 500

  
**Shency Joy**  
Dy. TM Chemical  
Checked by:



  
**Salini T. S.**  
Microbiologist  
Authorized Signatory

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

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



## TEST REPORT

Test Report No: 20210621/R031	Date: 25-06-2021	Page 2 of 2
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TEST RESULTS- CHEMICAL PARAMETERS					
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500 : 2012
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21):2009 RA 2019	mg/L	22.2	Max 200
8	Calcium as Ca	IS 3025 (Part 40):1991 RA 2019	mg/L	6.46	Max 75
9	Magnesium as Mg	IS 3025 (Part 46):1994 RA 2019	mg/L	1.48	Max 30
10	Chloride as Cl	IS 3025 (Part 32):1988 RA 2019	mg/L	16.9	Max 250
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23):1986 RA 2019	mg/L	14.1	Max 200
12	Iron as Fe	IS 3025 (Part 53):2003 RA 2019	mg/L	0.14	Max 1
13	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24):1986 RA 2019	mg/L	1.25	Max 200

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

Remarks:

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




  
**Shency Joy**  
 Dy. TM Chemical

Checked by:

  
**Salini T. S.**  
 Microbiologist

Authorized Signatory

  
**Laiju P. N.**  
 Laboratory Head

Authorized Signatory

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