

COMPLIANCE REPORT

April 2019 – September 2019

M/S PLANTERS AGGREGATES

Ernakulam District

Kerala



Dt. 18-12-2019

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

Ref :- File No. 58/SEIAA/KL/7586/2012

Sub :- Environment Clearance – Quarry project at Karukutty Village &
Panchayath, Alwaye, Ernakulam District, Kerala– Compliance Report – First
Half - Reg.

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for
4.8033 Ha. by order No. 58/SEIAA/KL/7586/2012 dated 15-03-2013 by State
Environmental Impact Assessment Authority, Kerala. The compliance report of First half
(April 2019 – September 2019) to the specific and general conditions of the
Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,
For M/s Planters Aggregates

Mr. Saji Vadakkekara
(Proprietor)



Copy to:-
The Member Secretary
State Environment Impact Assessment Authority (SEIAA),
Thiruvananthapuram, Kerala.

Encl: - As Above

Planters Aggregates

Palissery, Angamaly, Ezhattumugham P.O., Ernakulam, Kerala - 683 577. Phone: 0484 2439166, 2439167, Mob: 9562141400. E-mail: plantersgroup@yahoo.com

COMPLIANCE REPORT
TO
THE CONDITIONS
OF
ENVIRONMENTAL CLEARANCE ORDER
NO: 58/SEIAA/KL/7586/2012
DATED ON: 15.03.2013

BY
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(SEIAA)
FOR
BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT
AT
SURVEY NO. 168
KARUKUTTY VILLAGE & PANCHAYATH, ALWAYE,
ERNAKULAM DISTRICT, KERALA

BY
M/S PLANTERS AGGREGATES,
ERNAKULAM DISTRICT
KERALA

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INTRODUCTION

The quarry project of M/s Planters Aggregates is situated at Survey No. 168 at Karukutty Village & Panchayath, Alwaye, Ernakulam District, Kerala.

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 15.03.2013. As part of general condition No.25 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of first half to the specific conditions and general conditions of the Environmental Clearance order for the period of **April 2019 – September 2019** is being submitted

Brief of the project

Type of Project	Quarry project (Building stone)
Name of the project	M/s Planters Aggregates
Category of the project	B2
GPS Locations	Latitude (N) 10° 16' 31.28" N Longitude (E) 76° 25' 07.37" E
Address for correspondence	Palissery, Ezhattumugham P.O., Ernakulam District, Kerala – 683 577 Tel. No. 0484-2439166, 2439167
Website and E mail ID of company	www.plantergroup.com plantergroup@yahoo.com
Name, Phone Number & e - mail id of responsible persons	<ol style="list-style-type: none"> Saji Vadakkekara Managing Director 0484-2439166 plantergroup@yahoo.com Davis George General Manager 9605040050 davisgeorgekinattingal@gmail.com
Main Features	
Total area under Environment Clearance	4.8033 hectare
Minable reserves	45,90,000
Production	2,88,000 TPA
Life of Mine	16 Years
Highest and lowest elevation	145 m MSL and lowest elevation is 95 m MSL.
Crusher unit	Yes within the project site
Environmental Settings	
Nearest house	nearest habitation is at 50 m towards N.
Nearest Water Body	Chalakudi River, 1.5km, N
Nearest town	Palissery, 0.74km, SW
Nearest hospital	Palissery Govt. Dispensary (1.5 km) SW
Nearest School	Palissery Govt. LP School (1.5 km) SW
Seismic zone	Zone-III, Moderate damage risk zone as par BMTPC, Vulnerability atlas Seismic zone of India IS: 1893-2002.
Air quality	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ are under NAAQ standard
Water quality	Under acceptable limit (Bore well)
Ambient noise	Day time :- 48.8 dB(A) Night time :- 35.0 dB(A)

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 18th 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 9⁰59'21.50 to 9⁰59' 12.22" Latitude (N) and 76⁰37'20.43" to 76⁰37'06.07"(E). The quarry is interlinked with a Crusher / M sand unit located within the complex. The Capacity is 2, 70,000 MTA. There are no litigations against the lease area or applicant in any court of law. Topography is hilly. Highest elevation is 88m MSL and lowest 38m MSL. The approximate daily water demand is 5 KLD and total power requirement is 75 kw. The nearest house is located at 50m North of the proposed quarry.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	The storm water drainage channels and drainage line to the existing pond in the site and its exit from the site should be made fully functional.	Complied
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Compliance:

To manage storm water at project site, the project has constructed storm water drainage channels and drainage lines to the existing pond in the site. One of the expected adverse impacts to the community from the quarrying area is contamination of streams through storm water runoff. The project has constructed various pits as de – siltation trap at the last point of drainage to settle down sediments at the bottom of the pits. The storm water drainage and its exit from the site are fully functional at all the time. The photograph showing the exit of drainage form the site is provided at **Plate No.1.**

02	The depth of the mining should be restricted to the 30m level as agreed in the proposal.	Being Complied
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Compliance:

As per the direction, Mining depth will not exceed beyond 30 meter or not below the level of the nearest stream bed, whichever is less. The mining activity is progressing in tune with the approved mining plan. The project proponent has been scrupulously following the condition regarding the depth of mine stipulated in the Environmental clearance Order. As plan submitted before EAC (Expert Appraisal Committee), in the conceptual phase of quarry project the exploration of mineral is from 145 to 30m MSL.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

01	Rain water harvesting to collect and utilize the entire water falling in land area should be provided.	Complied
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Compliance:

To conserve the rain water, the project proponent has constructed one rain water harvesting pond in the project site for collecting rain water. Storm water from entire mining area has been collecting through natural channels and drainages in the existing ponds which are situated at the lowest level of project area. The water from pond is mainly used for crusher work, watering of plants, wetting of roads and sprinkler system for contain dust emission. The photograph showing the rain water collection pond and tank in the project area is attached at **Plate No. 2**.

02	Environment monitoring cell as agreed under the affidavit filed by the proponent should be formed and made functional.	complied
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Compliance:

An Environmental Monitoring Cell (EMC) was formed with Mr. Saji Vadakkekara (proprietor of Planters Aggregates) as head and made functional. Meeting of monitoring cell is arranged regularly and discussed the status of the compliance of the specific and general conditions contained in the Environmental Clearance (EC) order. As part of monitoring, the sound levels, ambient air and water are monitored through a NABL accredited laboratory. The details of monitoring cell are given below. The committee is looking after all parameters of environment.

TABLE 1 ENVIRONMENTAL MONITORING CELL (EMC)

Sl. No.	Post	Name
1.	Head of monitoring cell (proprietor)	Saji Vadakkekara
2.	Head in charge (Environmental)	Davis George
3.	Senior Environmental Officer	Reji K. Paul
4.	Asst. officer of Environment, Health and safety at site	Vishavash sivaji

5.	Environmental consultant	M/s Environmental Engineers & Consultants Pvt. Ltd. A1-198, Janak Puri, New Delhi
6.	Address of Environmental Laboratory	Standards Environmental & Analytical Laboratories, KJ Tower, Udyogamandal, EKM

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
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Compliance:

The avenue trees are helpful to reduce the emission of dust from haulage and approach road while the transportation of materials. To reduce dust and sound pollution generated from roads, the project proponent has planted various avenue trees. These trees can perform as green belt. The project proponent is intending to plant various saplings, where the vegetation is less. There are natural vegetation including trees, shrubs and climbers growing in the sides of the tarred road and open parking areas. The name and family of flora is given below in **Table Number 2**. The photograph of avenue trees is attached as **Plate No.3**.

TABLE 2 - Details of the natural vegetation existing along the road side is as follows

Sl. No.	Scientific Name	Common Name	Family	Habit
1.	<i>Tectona grandis</i>	Thekku	Verbenaceae	Tree
2.	<i>Tabernaemontana alternifolia</i>	Kunnanpala	Apocynaceae	Tree
3.	<i>Chromolaena odorata</i>	Communist-pacha	Compositae	Shrub
4.	<i>Mangifera indica</i>	Mavu	Anacardiaceae	Tree
5.	<i>Ziziphus oenopolia</i>	Thodalli	Rhamnaceae	Climber

04	The project shall incorporate devices for solar energy generation and utilization wherever possible.	Complied
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Compliance:

The project proponent has installed solar street lights near to the office and magazine area in the project site. This initiative will reduce the consumption of energy from conventional sources. The photograph of solar street light is provided in **Plate No.4**. The project is intending to use renewable energy as much as possible in the project site.

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

The sprinklers are installed in and around the crusher unit. To contain dust emissions from the approach and mining area, the project proponent splashes water with the help of a vehicle. This will help to arrest the dust while the vehicles are moving and breaking of building stones. The photograph of the vehicle used for splashing of water is attached as **Plate No.5**.

06	The eco-restoration plan submitted with the proposal should be fully implemented.	Noted
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Compliance:

As part of eco restoration, the project started to plant various saplings within the project area. The mine closure plan will be done at own cost of project proponent as agreed in the proposal. The project converted a sloppy land in to benches by systematically dumping the overburden and top soil. To prevent soil erosion, the benches has covered with a *geotex* coir mat and planted grass. The photograph of benches covered by coir mat is attached as **Plate No. 6**.

07	Corporate social responsibility agreed upon by the proponent should be implemented	Complied
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Compliance:

The project has carried out many activities under Corporate Social Responsibility (CSR); the main activities were in the sectors like education, health

care, Environment sustainability, infrastructure Development etc. The detail of CSR provided in the period of Second half is mentioned in the **Table No.3**. The receipts and bills area attached as **Annexure No. 1**.

Table 3 - Details of performed activities under CSR

Sectors	Activities	Beneficiaries	Amount spent in Rs.
Food kit	Donation	Emmanaule orphanage	2,64,350
Health	Donation	Baby Muthedan	4000
	Donation	Sudheesh R P	1000
	Donation	Thomas N P	500
	Donation	Rajesh M V	5000
	Donation	Ravi V T	500
	Donation	Puthiyedath Jamini	1000
	Donation	Gopalakrishanan	1000
	Donation	Saji Joseph	2000
Arts, Sports & Festival	Donation	Sree Subhramanya Bhadhra kali kshethram	5000
	Donation	Karamattom St George Kappela	3000
	Donation	2 nd K K Rajeshkumae Memorial everoling Cricket tournament	3000
	Donation	Sree Narayana Gurudeva Bhagavathi kshethram	5000
	Donation	SNDP Palissery	3500
	Donation	Kalithala Sangakadaka Samithi	8,00,000
	Donation	St Alphonse KAppela PAllisery	5000
	Donation	St Marys Jacobite church Puthamkutty	750

	Donation	S N Arts & Sports Club	2500
Infrastructure Development	Donation of Materials	Joy V A	6800
	Donation of Materials	Janaki Rajappan	6800
	Donation of Materials	Satheesh M k	6800
	Donation of Materials	Seby Antony	2250
	Donation of Materials	Anandhu Subinn	3000
	Donation of Materials	Reji p K	6800
	Donation of Materials	Karthu Paredath	11400
	Donation of Materials	Antu Putheen	6800
	Donation of Materials	Nelson P J	1350
	Donation of Materials	Chanran C K	3000
	Donation of Materials	Sowmya Sinoj	1080
	Donation of Materials	Ratheesh Dasan	19800
	Donation of Materials	Syam Chandran	1200
	Donation of Materials	Angamali Seva Bharathi	9500
Education	Donation	Educational Service society of India	1800
	Cost of Books	Lion Publications	1300
Social	Donation	KPMS	250
Environmental Protection	Donation	Environment protection Group	3000
	Total		12,00,030

08	Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that the falling of animals/human/belongings/dumping of garbage's etc. does not happen.	Complied
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Compliance

The fencing is mandatory to get lease/permit from Department of Mining and Geology. This helps to demarcate the lease area, to ensure safety and prevent the falling of animals/ human/dumping of garbage's etc, in to the mining pit, barbed metal wire fencing was installed around the mining area at 5ft height. The photograph of the barbed metal wire fencing is attached at **Plate No.7**.

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

To provide warning regarding blasting to the nearby community and labours of the project site, a warning alarms has installed in the project area. It is working properly prior to the blasting. The timing of blasting in the quarry is in between 11.00am to 11.30am and 3.30pm to 4:00 pm. A danger board is also installed which gives information about the blasting time to the general public. The photograph showing the danger area, sign board etc, is provided at **Plate No. 8**.

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

The project proponent has constructed tarred access road of 2.5 kilo meters to the quarry site (crusher Unit) in the project area to contain dust emissions. The access road to the quarry is maintained by splashing of water to control the dust emission during transportation. The project proponent has regularly maintained the access roads. The photograph is showing the paved access road to the site which is attached as **Plate No.9**. The avenue trees also help to prevent the emission of dust from roads.

11	Overburden material should be managed within the site and the old quarries, if any, should be reclaimed and restored	complied
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Compliance:

The removal of overburden is an inevitable natural recourse while extraction of granite building stone. At present the overburden excavated from the quarry is stacked within the site. At present the overburden excavated from the quarry is dumping in to three abandoned quarries near to the project site. The project converted a slope area in to benches by systematically dumping the overburden. To prevent soil erosion this has covered with a *geotex* coir mat and planted grass. As part of eco - restoration, the project is intending to plant various saplings and medicinal plant on the prepared benches. The photograph of the overburden is attached as Plate **No. 10**.

12	Height of benches should not exceed 5m and width should not be less than 5m.	Complied
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Compliance:

To ensure safety of labours and living creatures, the project is maintaining the height of the bench with 5 meters of high and width not less than 5 meters. The minor minerals are exploring under the supervision of qualified persons so that the project can form the benches systematically. At present there are 3 benches in the quarry site. The photograph of the benches created in the mining area is provided in **Plate No. 11**. The copy of certificates of second class manager and mines mate are attached at **Annexure No 7 & 8**. The creation of benches will help for future reclamation of quarry site.

13	Mats to reduce fly rock blast to a maximum of 15 PPV should be provided.	Noted
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Compliance:

The project is using ordinary delayed detonator for blasting therefore no incident of fly rock happened in the mining area. The project can also assures the maximum PPV is under 10 with the controlled blasting operations under the supervision of qualified persons. Therefore the project is yet to use mats to reduce fly rocks during the time of blasting.

14	Mining depth should not exceed beyond 40m, unless otherwise specifies or not below the level of nearest stream bed whichever is less.	Will be complied
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Compliance:

The extraction of mineral will be maintained as 40 m as agreed in the proposal. The project has appointed second class manager, foreman and mining mate in the industry to extract the minerals as per mining plan in an eco friendly way. The all activities of these qualified persons are under the supervision and monitoring of Environment Monitoring Cell. The nearest stream will be taken in to consideration while mining below surface level.

15	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of greenbelt and hollow brick envelope for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB	Complied
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Compliance:

To maintain noise level under prescribed limit, the project has maintained a thick green belt around the crusher unit. The solid brick housing of crusher and green belt is maintaining the noise level as per SPCB standards. To reduce the impact of sound to the labours in the unit, the project has provided ear plugs. The project is regularly monitoring the ambient noise level at the project site. The result of NABEL accredited laboratory of ambient sound level is attached at **Annexure No. 11**. The photograph showing the crusher unit is attached at **Plate No. 12**. The solid brick will reduce the noise and labours are provided with earplugs to make safe their ears.

16	Assurance in the form of affidavit should be given to SEIAA that eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	Complied
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Compliance:

The project has stated to plant various species as part of eco restoration at the project site. Assurance in the form of affidavit was already submitted to SEIAA Kerala. Eco – restoration and mine closure plan will be done by the project proponent at own cost. The copy of the affidavit is attached at **Annexure No. 10.**

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

The proponent is very conscious to prevent all quarry waste to enter in the the public drainage or stream. 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.

18	Debris/ silt traps to be provided to prevent entry of dust and quarry wastes entering the main streams.	Complied
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Compliance:

De- siltation of surface runoff is an important mitigation measure to prevent contamination of public stream. Storm water from entire project area is collected through channels and directed to the existing pond in the site. The deposited silt at the bottom of pond can collect in summer season by using excavator. The over flow water from the pond is released only through the top area and the outlet of the outward channel is protecting with steel mesh to trap the floating debris. This arrangement prevents the quarry waste from the site to the mainstreams. The photograph showing the silt trap arrangement is attached at **Plate No. 13.**

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

All statutory clearances, approvals, licenses are obtained from concerned authorities. All conditions stipulated in such approvals are strictly followed. The obtained approvals are mentioned in **Table No.4**. The certificates obtained from concerned statutory authorities are enclosed in **Annexure No. 2, 3, 4, 5 & 6**

Table 4 - The details of statutory approvals

Name of the Statutory approval	Name of the Statutory authority	Approval Number & Date
"Consent to Operate" - Renewal	Kerala State Pollution Control Board	File No. PCB/EKM/DO-1/OA-404/15 Dated : 07/03/2019
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala	58/SEIAA/KL/7586/2012 Dated: 15/03/2013
Explosive License	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)	E/SC/KL/22/751(E33224) Dated : 14/3/2016
License for quarry operations	Karukutty Gram Panchayat	2/2019-2020/B3/B3-695/19 Dated:1/04/2019
Lease order	Directorate of Mining and Geology	660/2010-11/9439/M3/2010 Dated : 3/1/2011

20	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this authority.	Will be complied
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Compliance:

At present the project is running as per plan submitted in Environmental Impact Assessment Authority, Kerala. The project will approach SEIAA for a fresh Environmental clearance in the case of any change(s) in the scope of the project.

21	The authority reserved the right to add additional safeguard measures subsequently, if found necessary, and to take	Will be complied
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	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.	
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Compliance:

If the authority instructs to add additional safeguard measures to enhance safety and environment friendly mining, the project will be complied with.

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

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

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

23	The project proponent should advertise in at least two local newspapers widely circulated in the region. One of which shall be in the vernacular language informing that the project	Complied
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	has been accorded environmental clearance and copies of clearance letters are available with the Department of Environment and climate change, Govt. of Kerala and may also be seen on the website of the authority at www.seiaaKerala.org . The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the office of this authority as confirmation.	
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Compliance:

An advertisement in two news paper regarding the accordance of environmental clearance to the quarrying activity was given within stipulated period and the copy of the same was submitted to SEIAA. The copy of newspaper advertisement is provided at **Annexure No. 9**.

24	A copy of the clearance letter shall be sent by the proponent to concerned Gram Panchayat / 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 clearance letter shall also be put on the website of the company by the proponent.	Complied
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Compliance:

A copy of the environmental clearance letter was submitted to Karukutty Grama Panchayat office on 26/11/2013. Its inward no. is 7405/13. There were no suggestions/representations received while processing the proposal. The environmental clearance order is uploaded in the website of the company and it can be seen in the website www.plantersgroup.com.

25	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 the status of compliance of the	complied
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	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.	
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Compliance:

The compliance report is being regularly submitted to the Regional Office of MoEF&CC, Govt. of India and State environment Impact Assessment Authority, (SEIAA) Kerala, both in hard copy as well as mail. The result of monitored data is provided in compliance report. The monitored results are attached as **Annexure No. 11, 12 &13.**

26	The conditions of the 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 fond size of not less than 40.	Complied
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Compliance:

The specific conditions of the environmental clearance prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman fond was installed. The photograph showing the sign board containing specific conditions is provided at **Plate No. 14.**

27	The proponent shall provide affidavit that all the conditions stipulated in the EC shall be scrupulously followed.	Complied
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Compliance:

An affidavit stating that all the conditions stipulated in the Environmental clearance will be scrupulously followed was submitted to State Environmental Impact Assessment Authority. The copy of affidavit submitted at SEIAA is attached at **Annexure No. 10.**

PLATES

PLATE No. 1



Drainage in the project site

Plate No.2



Rain water collection pond exist in the project site



Rain water collection tank

PLATE No. 3



The natural vegetation maintained along the roadside

PLATE No. 4



Solar street lights installed near to the magazine

PLATE No. 5



Sprinklers Installed in the project area

PLATE No. 6**Benches made by over burden and covered by coir mat****PLATE No. 7****Barbed metal wire fencing with a height of 5 meter**

PLATE No. 8



Device for alarm prior to the blasting



Sign board mentioned danger and time of blasting

PLATE No. 9



Tarred road to the crusher unit

PLATE No. 10



Over burden managed within the site

PLATE No. 11



Minerals explored with bench system of 5 m width and height

PLATE No.12



Crusher unit existing in the project site

PLATE No. 13



Slit trap to prevent quarry wastes entering in to the main stream

PLATE No. 14



Metallic board described the details of EC

ANNEXURE

ANNEXURE No. 1

TAX INVOICE																											
PRASAD TRADERS Padanapuram P.O., Mookkannoor Angamaly, Ernakulam (Dist.) Kerala, India Phone: 94481 50744 GSTIN/UIN : 32AEGPV9147K12Y State Name : Kerala, Code : 32 E-Mail : arjun.nijereswari@gmail.com Buyer Planters Aggregates Pallaseery Supplied to Emmanuel Orphanage Reg. No 588/2000 GSTIN/UIN : 32AEGPV9147K12Y State Name : Kerala, Code : 32 Place of Supply : Kerala		Invoice No. 08719-20/235 Delivery Note Supplier's Ref. Other Reference(s) Buyer's Order No. Dispatch Document No. Dispatched Through Destination Terms of Delivery		Dated 28-Apr-2019 Mode/Terms of Payment Other Reference(s) Delivery Note Date Delivery Note Date																							
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സെന്റ് മേരീസ് യാക്കോബായ സുറിയാനി പള്ളി, പുതംകുറ്റി
താബോർ പി.ഒ. - 683 577

പരി. ദൈവജാതാവിന്റെ എട്ട് നോമ്പ് പെരുന്നാൾ



നമ്പർ 3783 **ഓഹരി രസീത്** തീയതി.....

ശ്രീ. / ശ്രീമതി.....

.....നിന്നും ഈ വർഷത്തെ പെരുന്നാൾ

ഓഹരിയായി.....

നമ്പർവും കൈപ്പറ്റിയിരിക്കുന്നു.

₹ 750 -

എന്ന്

വികാരി / ശ്ലീ

ഞാൻ ബേബി മൂന്നുസൻ, മൂന്നുസൻ റീഡ്, കാരമത്തു താമസി
 ആം. എന്റെ അയൽവാസിയായ ടൈജു ഡേവിസ്, പാഴ്വ
 റീഡ്, താലോർ - P.O, കുട്ടിങ്ങിൻ താമസി ആം. ടൈജു ഡേവിസി
 ന് ചികിത്സ, നവംബർ 2017 ചികിത്സയ്ക്ക് അഗ്രിഗേറ്റിൽ
 നിന്നും Rs- 4000/- (ഏഴു നൂറ്റാണ്ടിര) ഗുണ ദിവസം
 ഞാൻ ടൈജുവിനെ ചികിത്സിച്ചു.

പാരിശ്വേരി
 09/05/2019

എസ്
 ബേബി മൂന്നുസൻ

 Ph- 8301835318

ഞാൻ കാരത്തു, പാണ്ടേസ് റീഡ്, കാരമത്തു താമസി
 ആം. എന്റെ റീഡ് എന്റെ റി-ചെയ്തിരിക്കുകയായി പാ
 റ്റേഴ്സ് അഗ്രിഗേറ്റിൽ നിന്നും Rs-11400/- (ഏഴു നൂറ്റാണ്ടിര)
 നന്നായിരിക്കുന്നതിനായി റിലയ്ക്കു ജെ മെറ്റീരിയൽസ്
 ഗുണ ദിവസം ഞാൻ റ്റു ജെ. റിലയ്ക്കു ടൈജുവിനെ ചികിത്സിച്ചു.

പാരിശ്വേരി.
 26/06/2019

എസ് റിഗ്വേസ്തയോട്.

കാരത്തു, പാണ്ടേസ്
 Phone- 9846876114 - മകിഷ്
 30 കാരത്തു

ICICI Bank Kolenchery Branch Pallimukalei Building, College Junction, Kolenchery (P.O), Ernakulam - 682 311 RTGS / NEFT / IFS Code : ICIC0002579		VALID FOR THREE MONTHS ONLY A/C PAYEE 15/07/2019 D D M M Y Y Y Y	
KALISTHALAM SANGHADAKA SAMITHI - GHS - PALISSERY		OR ORDER	
es THREE LAKH ONLY		₹ 300,000	
A/c No. 257905500006		FOR PLANTERS AGGREGATES	
14/5/19 CARBL CBS BUSINESS BANKING : CURRENT ACCOUNT Payable at par at all branches of ICICI Bank Limited in India		PROPRIETOR Please sign above	
⑈001695⑈ 682229201⑈ 500006⑈ 29			

ICICI Bank Kolenchery Branch Pallimukalei Building, College Junction, Kolenchery (P.O), Ernakulam - 682 311 RTGS / NEFT / IFS Code : ICIC0002579		VALID FOR THREE MONTHS ONLY A/C PAYEE 17/07/2019 D D M M Y Y Y Y	
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ICICI Bank Kolenchery Branch Pallimukalei Building, College Junction, Kolenchery (P.O), Ernakulam - 682 311 RTGS / NEFT / IFS Code : ICIC0002579		VALID FOR THREE MONTHS ONLY A/C PAYEE 19/07/2019 D D M M Y Y Y Y	
KALISTHALAM SANGHADAKA SAMITHI - GHS - PALISSERY		OR ORDER	
es TWO LAKH ONLY		₹ 200,000	
A/c No. 257905500006		FOR PLANTERS AGGREGATES	
14/5/19 CARBL CBS BUSINESS BANKING : CURRENT ACCOUNT Payable at par at all branches of ICICI Bank Limited in India		PROPRIETOR Please sign above	
⑈001696⑈ 682229201⑈ 500006⑈ 29			

Receipts of activates under CSR

ANNEXURE No. 2



Proceedings of the State Environment Impact Assessment Authority Kerala

Present: Dr. A.E. Muthunayagam, Chairman; Prof. (Dr.) K.P. Joy, Member; Sri. James Varghese IAS, Member Secretary

Sub: SEIAA Kerala - Proposed quarry project in Survey No. 168 at Karukutty Village, Karukutty Panchayath, Alwaye Taluk, Ernakulam District, Kerala by M/s Planters Aggregates – Environmental Clearance under EIA Notification 2006 accorded – Orders issued

Environmental Clearance

No. 58/SEIAA/KL/7586/2012

dated, Thiruvananthapuram 15-03-2013

ORDER

The Proprietor of M/s Planters Aggregates, vide their application received on 14-11-2012, has sought environmental clearance under the EIA Notification, 2006 for the quarry project at Karukutty Village, Karukutty Panchayath, Alwaye Taluk, Ernakulam District, Kerala. The proposal has been appraised by the State Level Expert Appraisal Committee Kerala constituted by the competent authority, as per prescribed procedure in the lights of provisions under the EIA Notification 2006 and subsequent amendments, in its 10th meeting held on 26th and 27th November 2012 and also in the 12th meeting held on 2nd February, 2013 AND on the basis of the supporting documents enclosed with the application viz., the Form – 1, questionnaire for mining projects, pre-feasibility report, Environment Management Plan and the additional clarifications furnished in response to the observations, the SEAC Kerala recommended environmental clearance to the project.

It is interalia, noted that the project comes under the Category B, Activity 1(a) of Schedule of EIA Notification 2006. The proposed project site falls within 10°16'N and 76°25' E. The proposed project is for quarrying of 2,88,000 TPA of building granite stone from an area of 4.8033 hectare of land. The expected life of mine will be 16 years. The proposed activity involves about 75 % of the pit area for exploring granite building stone. At the end of life of mine, the reclaimed area will be suitably planted and the remaining void at lower levels of excavated pit will be utilized as water storage/ground water recharge and will be utilized for domestic/agricultural purposes. The proposed project does not involve any underground mining activities. The mining will be done by open cast semi mechanised method of mining. The bench height and width proposed is 5 m. The exploitation of mineral is being done from 145-30 m RL in conceptual phase. A total quantity of 24,000 m³ of top soil from two pits will be removed during the mining operations. The top soil excavated from the quarry shall be dumped separately at predetermined place and subsequently will be utilized in spreading over reclaimed areas for plantation. The top soil will be utilized for green belt development/plantation and will also be utilized for filling the low lying areas or adjacent quarry site. The sewage of 0.8 KLD generated from the mine office will be diverted to the septic tank followed by soak pit. The daily water requirement of 5 KLD will be met from storm water / bore well. There will be fugitive emissions generated during material handling, transportation, loading, unloading, etc. that are proposed to be managed by regular water sprinkling on haul road, green belt development, avoiding overloading of vehicles and limiting the speed of the vehicles. Excavated material is transported to the crusher located at a distance of 0.15 km from the quarry site for further processing.

The SEIAA considered the proposal in its 13th meeting held on 13th December 2012 and 15th meeting held on 22nd February 2013. The SEIAA, after due consideration of the relevant documents and additional clarifications submitted by the project proponent, and in view of the recommendations of SEAC, approved for issuance of Environmental Clearance for the project mentioned above at its 15th meeting held on 22nd February 2013. Accordingly, the State Level Environment Impact Assessment Authority (SEIAA) Kerala constituted by Govt. of India vide Notification No. S.O. 2484(E) dt.3-11-

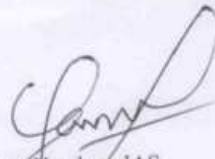
2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord necessary Environmental Clearance for the above project as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and subsequent amendments and also under the provisions made in the O.M. No. L-11011/47/2011-IA.II(M) dated 18th May 2012 of the Ministry of Environment and Forests, Government of India, and further subject to strict compliance of the following specific conditions, and the general conditions contained in the Annexure, which shall also form a part of this document.

1. Storm water drainage channels and drainage line to the existing pond in the site and its exit from the site should be made fully functional.
2. The depth of mining should be restricted to the 30 m level as agreed in the proposal.

Compliance of the above conditions will be monitored by the Directorate of the Department of Environment and Climate Change, Government of Kerala or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Government of India located at Bangalore. Necessary support for entry and inspection should be provided by the project proponent to the staff of the Directorate and Ministry for monitoring purposes.

The given address of correspondence of the Authorized Signatory of the project is:- Mr. Saji Vadakkekara, Proprietor, M/s Planters Aggregates, Palissery, Ezhattumugham P.O., Ernakulam, Kerala – 683577; Telephone No: 0484-2439166, 2439167; E-mail: plantersgroup@yahoo.com

Agency with NABET accreditation for EIA is:- M/s Enkay Enviro Services, 24-B, Basement, Dadu Marg, Gopal Bari, Jaipur-302001; Tel. No. 0141-2363996/4023996; Fax No: 0141-5118996; E-mail: info@enkayenviro.com


 10/10 James Varghese IAS
 Member Secretary, SEIAA
 and Principal Secretary to Government
 Environment Department

To

Mr. Saji Vadakkekara
 Proprietor
 M/s Planters Aggregates
 Palissery, Ezhattumugham P.O.
 Ernakulam, Kerala – 683577.

Copy to :

1. The Principal Secretary, Environment Dept., Government of Kerala, Secretariat
2. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm – 24.
3. IA-Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
4. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034
5. Chairman and Members of SEIAA Kerala
6. Chairman, SEAC Kerala
- ✓ 7. Website uploading
8. Stock file

EC order

Annexure No.3

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 रखें
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/22/751(E33224)
वार्षिक फीस रूप (Annual Fee Rs): 2400/-

1. Licence is hereby granted to
Saji Vadakkaekara (अधिभोगी / Occupier : Saji Vadakkaekara), Vadakkekara House, Mangattoor, Kolathur,
Ernakulam, Town/Village -, District-, State-, Pincode - 682311

को अनुज्ञप्ति अनुदत्त की जाती है।

2. अनुज्ञप्तिधारी की पस्थिति | Status of licensee : Individual

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

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

Sr. No.	Name and Description	वर्ग और प्रभाग Class & Division	उप-प्रभाग Sub-division	मात्रा किसी एक समय में Quantity at any one time
1.	Nitrate Mixture	2,0	0	150 Kg.
2.	Electric Detonators	6,3	0	2500 Nos.
3.	Safety Fuse	6,1	0	2500 Mtrs.
4.	Ordinary Detonator	6,3	0	2500 Nos.

(ख) किसी एक कलेंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा [अनुच्छेद 3(ख) और (ग) के अधीन अनुज्ञप्ति के लिए] : 20 times as above.
(b) Quantity of explosives to be purchased in a calendar month [applicable for licence under article 3(b) and (c)] :

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञप्ति परिसर की पुष्टि होती है।
The licensed premises shall conform to the following drawing(s): रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/751(E33224)
दिनांक (Dated) 27/12/2005

6. अनुज्ञप्ति परिसर निम्नलिखित पते पर स्थित हैं। The licensed premises are situated at following address:
Survey No(s), 168, ग्राम (Town/Village) : Karukutty
जिला (District) : ERNAKULAM राज्य (State) : Kerala पुलिस थाना (Police Station) : Karukutty
दूरभाष (Phone) : ई.मेल (E-Mail) : पिनकोड (Pincode) : फैक्स (Fax) :

7. अनुज्ञप्ति परिसर में निम्नलिखित सुविधाएं अंतर्विष्ट हैं।
The licensed premises consist of following facilities: T and G type portable magazine and D type portable magazine

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाध्दों 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 शर्तों और अतिरिक्त शर्तों।
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 2007 तक विधिमार्ग रहेगी। This licence shall remain valid till **31st day of March 2007.**

यह अनुज्ञप्ति, अधिनियम या उसके अधीन विरचित नियमों या अनुसूची V के भाग 4 के प्रति निर्दिष्ट सेट-VII के अधीन तथा उपबर्णित इस अनुज्ञप्ति की शर्तों का अधिकमण करने या यदि अनुज्ञप्ति परिसर योजना या उससे संलग्न उपबंध में दर्शित विवरण के अनुरूप नहीं पाए जाने पर निलंबित या प्रतिशुद्ध 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/-
संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives
South Circle, Chennai

तारीख | The Date - 27/12/2005

अनुज्ञप्ति के पृष्ठों के लिए स्थान
Space for Endorsement of Renewal

अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प
Signature of licensing authority and stamp

नवीकरण की तारीख
Date of Renewal

समाप्ति की तारीख
Date of Expiry

14/03/2016

31/03/2021

Dy. Chief Controller of Explosives, Ernakulam
कुल्ले रूप मुख्य विस्फोटक नियंत्रक
for Deputy Chief Controller of Explosives
Ernakulam

License to possess and use of Explosives

ANNEXURE No. 4



KERALA STATE POLLUTION CONTROL BOARD

FILE NO. : PCB/EKM/DO-1/OA-404/15

Date of issue :07/03/2019

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : R15ERRCTOR964788

Ref : 1. R15ERRCTOA964872, DATED :10.04.2015

2. Consent No : R15ERRCTO964788 Dated: 08.03.2016

The 'Integrated Consent to Operate' issued as per reference above to M/s PLANTERS AGGREGATES OWNED BY SAJI VADAKKEKARA, PALISSERY, EZHATTUMUGHAM P.O - 683577 is hereby renewed up to 31/03/2024 and issued to M/s PLANTERS AGGREGATES OWNED BY SAJI VADAKKEKARA, PALISSERY, EZHATTUMUGHAM P.O - 683577 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	Survey No.	168
2	Category	RED
3	Validity	31.03.2024
4	Capital investment	Rs.92 Lakhs
5	Annual Fee	Rs.22,000/-
6	Fee Remitted	Rs.131,874/-

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

- 3.1 The consent issued will be valid only for a period, during the period when all other statutory or necessary clearances from other concerned authorities valid.
- 3.2 The consent issued from the board is only with respect to the powers vested under the water Act 1974 Air Act 1981 and The Rules there under. The operation of the quarry shall be commenced only after obtaining clearances from all concerned Authorities.
- 3.3 There shall not be any quarrying activity between 6 pm to 6 am
- 3.4 Mining activities shall be done only in the area marked by Mining & Geology.
- 3.5 The PM10 in ambient air at the boundary shall not exceed 100 microgram/m³
- 3.6 The PM 2.5 in ambient air at the boundary shall not exceed 60 microgram/m³
- 3.7 The sound level (Leq) at 1 m outside the boundary of the site should not exceed the ambient noise Standard applicable to the adjoining areas.
- 3.8 Conditions given in the Environmental clearance shall be strictly complied with.
- 3.9 Mining shall be done only in the marked area in the mining plan attached with EC

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

MINI MARY SAM

Digitally signed by MINI MARY
SAM
Date: 2019.03.07 16:53:26
+05'30'

DATE :07/03/2019

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER



To
SAJI VADAKKEKARA,
VADAKKEKARA HOUSE,

MANGATTOOR,
KOLENCHERY.P.O - 682311



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.

Page3

Concent to Operate from Kerala Pollution Control Board

APRIL 2019 – SEPTEMBER 2019

ANNEXURE NO. 5

													
നമ്പർ: 2/2019-2020/B3/B3-695/19	തീയതി: 01-04-19												
കറുകുറ്റി ഗ്രാമപഞ്ചായത്ത് കറുകുറ്റി പി.ഒ., എറണാകുളം (ജില്ല) പിന്: 683576, ഫോൺ: 0484-2612231, ഇ-മെയിൽ: karukuttygp@gmail.com													
<p>വ്യവസായം, വാണിജ്യം, സംരഭകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്</p> <p>(കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FACTEOS ലൈസൻസ് ചട്ടങ്ങൾ 1996)</p>													
ലൈസൻസിയുടെ പേര്	സജി വടക്കേക്കര												
ലൈസൻസിയുടെ മേൽവിലാസം	വടക്കേക്കര വീട്, മങ്ങാട്ടൂർ-കോലഞ്ചാരി പി ഒ, പാലിശ്ശേരി.												
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	പ്ലാന്റേഴ്സ് അഗ്രിഗേറ്റ്സ്												
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	ഗ്രാനേറ്റ്സ്, ബിൽഡിങ്ങ് സ്റ്റോൺ എന്നിവ ഖനനം ചെയ്യുന്നതിന്.												
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	VIII/SRY.NO-168												
ലൈസൻസ് കാലാവധി	01-04-19 30-06-23												
ലൈസൻസ് ഫീസ്	<table border="1"> <tr> <th>തുക</th> <th>രസീത് നമ്പർ</th> <th>തീയതി</th> </tr> <tr> <td>4000*5= 20000/-</td> <td>104696</td> <td>07-02-19</td> </tr> <tr> <td></td> <td>104696</td> <td>07-02-19</td> </tr> <tr> <td></td> <td>104697</td> <td>07-02-19</td> </tr> </table>	തുക	രസീത് നമ്പർ	തീയതി	4000*5= 20000/-	104696	07-02-19		104696	07-02-19		104697	07-02-19
തുക	രസീത് നമ്പർ	തീയതി											
4000*5= 20000/-	104696	07-02-19											
	104696	07-02-19											
	104697	07-02-19											
മോട്ടോർ ഫീസ്													
തൊഴിൽ നികുതി	2500												
ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)	1. സാന്നിറ്ററി സർട്ടിഫിക്കറ്റ് 2. പാരിസ്ഥിതി, പി സി ബി സാക്ഷ്യപത്രം, ക്വാറിയിൽ ലിസ്റ്റ്, ബ്ലാസ്റ്റ് മാൻ, എക്സ്‌പ്ലോസ്സീവ്. 3. 2023 - 2024 വരെയുള്ള 5 വർഷത്തെ ലൈസൻസ് ഫീസ് ഒരു തവണയായി ഒടുക്കിയിരിക്കുന്നു. ലൈസൻസ് കാലാവധി എൻ ഒ സി കളിൽ പരാമർശിക്കുന്ന തയ്തിക്ക് റിഡ്യൂമായി അനുസരിക്കുന്നതാണ്.												
ഓഫീസ് സീൽ 	സെക്രട്ടറി കറുകുറ്റി ഗ്രാമപഞ്ചായത്ത് KARUKUTTY GRAMA PANCHAYAT PH: 0484-2612231 (0)												

License from Gram Panchayat

ANNEXURE No. 6

PROCEEDINGS OF THE DIRECTOR OF MINING AND GEOLOGY

Sub: Mines and Minerals - Minor Minerals - Granite Building Stone-Quarrying lease to Shri. Saji Vadakkekara, Vadakkekara House, Mangattoor, Kolenchery P.O., Ernakulam- 682 311 - sanction - orders issued.

Ref: 1. Application dated 27/9/2010 from Shri. Saji Vadakkekara, Vadakkekara House, Mangattoor, Kolenchery P.O., Ernakulam-682 311
 2. Letter No. DOE/4555/E2/2010 dated 29/11/2010 from the Geologist, District Office, Ernakulam
 3. Kerala Minor Mineral Concession Rules, 1967

No. 660/2010-11/9439/M3/2010 Dated, Thiruvananthapuram, 3/1/2011

ORDER

A quarrying lease is Granted to Shri. Saji Vadakkekara, Vadakkekara House, Mangattoor, Kolenchery P.O., Ernakulam-682 311 to quarry Granite Building Stone over an area of 5.8736 hectares of patta land comprised in Survey No. 168 of Block No. 1 of Karukutty Village, Aluva Taluk, Ernakulam District for 10 (Ten) years from the date of execution of the quarrying lease deed under the Kerala Minor Mineral Concession Rules, 1967 and as per the Survey map issued by the Tahsildar Aluva and submitted by the applicant subject to the under mentioned conditions.

1. Royalty is payable to Government as per Rule 29(1)(c) of the Kerala Minor Mineral Concession Rules, 1967 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
2. Dead rent is realisable under 29(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
3. Surface rent realisable under 29(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
4. The lessee shall execute a quarrying lease deed within a period of three months from the date of this order in form 'H' as per Rule 32 of the Kerala Minor Mineral Concession Rules, 1967.
5. The lessee shall also deposit an amount of Rs. 1000/- (Rupees One Thousand only) as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 31 of the said rules. The lessee shall commence quarrying operation only after the deed is executed.
6. The quarrying area shall be demarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
7. The lessee shall not win and dispose any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
8. The production of Granite Building Stone from the area covered under this grant shall be restricted to 50,000 M.T (Fifty thousand only) per year during the tenure of this quarrying lease.

9. The lessee should exhibit a signboard and a notice board for the intimation of the public at the entrance of the quarry. The following information should be inscribed on the notice board both in English & Malayalam

For information:

Licence No	Validity period of the permit	Name of permit/ lease holder	Quantity permitted to be extracted

10. The lessee should provide retention wall/barricade/fencing compound wall surrounding the quarry before the commencement of the quarrying operation for preventing accidents by falling of human beings animals and materials into the quarry. The lessee should take effective preventive measures for the safety of labourers as well as the general public.

11. The lessee should leave a distance of 7.5 m from the adjacent boundary lands while carrying out quarrying operations.

12. The lessee should not assign, sublet or transfer his lease or any right or interest therein to any person without previous permission of the Director of Mining & Geology

The terms and conditions stated in this order are subject to such further modifications as may be made by the State Government from time to time.

Sd/-
T.RAJENDRAN
DIRECTOR OF MINING AND GEOLOGY

To
Shri. Saji Vadakkekara, Vadakkekara House,
Mangattoor, Kolenchery P.O., Ernakulam-682 311

Copy to :

1. The Director of Mines Safety, Bangaluru Region, No. 27, 24th Main, Next to IDBI Bank, V Phase, J.P. Nagar, Bangaluru- 560 078
2. The District Collector, Ernakulam
3. The Geologist, District Office : Ernakulam
4. The Tahsildar Aluva
5. Stock File (2)
6. File Copy

(By Order)
Ankesh Kumar
3.1.2
Senior Superintendent

yk-3 1.11

Lease order from Directorate of Mining and Geology

ANNEXURE No. 7

Cert No. FMR/2223

भारत सरकार / Government of India
खान अधिनियम, 1952 / Mines Act, 1952
खनन परीक्षा बोर्ड / Board of Mining Examinations

प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र
FIRST CLASS MANAGER'S CERTIFICATE OF COMPETENCY
(केवल ओपेनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री सावंत देसाई विशावास शिवाजी सुपुत्र सावंत देसाई शिवाजी
जिनकी जन्म तिथि 15.05.1979 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने का सन्तोषजनक प्रमाण प्रस्तुत करने एवं अक्टूबर, 2009 में आयोजित विहित परीक्षा में उत्तीर्ण होने पर एतद्वारा ओपेनकास्ट धात्विकीय खानों के प्रबंध हेतु प्रथम श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान किया जाता है। यह प्रमाण-पत्र 05.04.2010 से प्रभावी है।

Shri Sawant Dessai Vishawas Shivaji son of Sawant Dessai Shivaji
born on 15th May, 1979 having given satisfactory evidence of possessing the prescribed qualifications and experience and having passed the examination held in October, 2009 is hereby granted FIRST CLASS MANAGER'S CERTIFICATE OF COMPETENCY to manage the metalliferous mines having opencast workings only. This certificate is effective from 05.04.2010

सचिव
खनन परीक्षा बोर्ड
Secretary
Board of Mining
Examinations

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining
Examinations

Signed and Sealed
Date 08.04.11.

Certificate of First class manager

ANNEXURE No. 8

Cert No. MR/SZ/599

भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
खनन मेट सक्षमता प्रमाण-पत्र
MINING MATE'S CERTIFICATE OF COMPETENCY
(केवल ओपेनकास्ट खानों तक सीमित)
(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

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

Shri DAVIS GEORGE son of GEORGE D.
born on 31ST MAY, 1969 (SIXTY NINE) having given satisfactory evidence of his age, medical fitness, good character, literacy and prescribed experience of working in metalliferous mines and having passed the prescribed examination held at GVTC, C.N.HALLI, TUMKUR centre on 23.03.2015 is hereby granted MINING MATE'S CERTIFICATE OF COMPETENCY restricted to mines having opencast workings only.

बाएं हाथ का निशान
Left hand thumb impression

अंचल सचिव
खनन परीक्षा बोर्ड
Zonal Secretary
Board of Mining Examinations

अंचल सचिव
खनन परीक्षा बोर्ड
Zonal Secretary
Board of Mining Examinations
Southern Zone, Bangalore

अध्यक्ष
खनन परीक्षा बोर्ड
Chairman
Board of Mining Examinations


Signed and Sealed

Certificate of Mining mate

[illegible][illegible]

ANNEXURE No. 10

भारतीय गैर न्यायिक

एक सौ रुपये  **Rs. 100**

रु. 100 **ONE HUNDRED RUPEES**

भारत INDIA
INDIA NON JUDICIAL

കേരളം KERALA **AFFIDAVIT** **X 340969**

I, Saji Vadakkera authorised signature of Planters Aggregates having its correspondence office at Palissery, Ezhattumugham, Ankamaly, Ernakulam, Kerala, 683577 Pin- Do hereby affirm and confirm as follows.

- 1). That The Planters Aggregates, Proposed quarry project in Survey No 168 at Karukutty Village & Panchayath and Alwaye Taluk, Ernakulam District, Kerala.
- 2). That the EC proceedings number and date are 58/SEIAA/KL/7586/2012 dt.15-03-2013
- 3). That all conditions stipulated in the environment Clearance would be scrupulously followed.

DEPONENT 

I affirm that the above statements are true to the best of my knowledge and belief and nothing material has been cancelled therein.



100 D. 1st N/13 day 9 April 2013

Saji, Vadakkera
Vadakkera house
Kolenchery

KUMARI JAYA.N.
ADVOCATE & NOTARY
Reg. No. 106 / 97 / EKM.
KOLENCHERY - 682 311
KERALA - INDIA

Affidavit

ANNEXURE No.11

Standard^S
Environmental Monitoring

TEST REPORT

NABL(TC-5402)

Test Report No:TC540219000001175F	Date: 30.03.2019	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Planters Aggregates Karukutty, Aluva, Ernakulam District
Location of Site	Survey No	168, Block - 1
	Village	Karukutty
	Panchayath	Karukutty
	Taluk	Aluva
	District	Ernakulam
	State	Kerala
Customer Reference	Test Request form dated 22.03.2019	

SAMPLE DETAILS	
Source of Sample	Ambient Sound Level
Sample Code	TC540219000001175F
Location of Monitoring	East side boundary
Date of Monitoring	22.03.2019
Method	IS 9989:1981 RA:2008

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	39.3 dB (A)	23.00 Hrs	35.6 dB (A)
07.00 Hrs	42.1 dB (A)	00.00 Hrs	38.2 dB (A)
08.00 Hrs	46.6 dB (A)	01.00 Hrs	38.9 dB (A)
09.00 Hrs	50.2 dB (A)	02.00 Hrs	38.5 dB (A)
10.00 Hrs	52.7 dB (A)	03.00 Hrs	39.3 dB (A)
11.00 Hrs	55.9 dB (A)	04.00 Hrs	38.2 dB (A)
12.00 Hrs	53.1 dB (A)	05.00 Hrs	40.0 dB (A)
13.00 Hrs	52.2 dB (A)	RESULTS	
14.00 Hrs	52.7 dB (A)		
15.00 Hrs	53.1 dB (A)	Noise Level (Leq) Daytime	51.1 dB (A)
16.00 Hrs	54.3 dB (A)		
17.00 Hrs	54.7 dB (A)		
18.00 Hrs	49.0 dB (A)		
19.00 Hrs	45.4 dB (A)		
20.00 Hrs	41.3 dB (A)	Noise Level (Leq) Nighttime	38.5 dB (A)
21.00 Hrs	40.8 dB (A)		
22.00 Hrs	38.1 dB (A)		

End of Report

For and on behalf of
Standard^S Environmental & Analytical Laboratories


Dija
Authorized Signatory

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Result of ambient sound level

ANNEXURE No.12



Standard^S
Environmental Monitoring


 NABL(TC-5402)

TEST REPORT

Test Report No:TC540219000001172F	Date: 30.03.2019	Page 1 of 1
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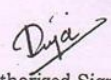
CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Planters Aggregates Karukutty, Aluva, Ernakulam District	
Location Of Site	Survey No	168, Block - 1	
	Village	Karukutty	
	Panchayath	Karukutty	
	Taluk	Aluva	
	District	Ernakulam	
	State	Kerala	
Customer Reference		Test Request form dated 22.03.2019	

SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	TC540219000001172F
Location of Monitoring	East Side Boundary	Sampled By	Laboratory
Date of Monitoring	22.03.2019	Test Started On	25.03.2019
Sample Received On	23.03.2019	Test Completed On	26.03.2019
Humidity	50 %	Sampling Procedure	IS 5182 Part V & XIV

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	54.3	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	22.5	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	< 2.00	80.0

End of Report

For and on behalf of
Standard^S Environmental & Analytical Laboratories


 Authorized Signatory
 Technical

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Standard^S Environmental & Analytical Laboratories

Result of ambient air

ANNEXURE No.13

Standard^S
Environmental Monitoring

TEST REPORT

NABL(TC-5402)

Test Report No:TC540219000001173F	Date: 30.03.2019	Page 1 of 2
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CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Planters Aggregates Karukutty, Aluva, Ernakulam District	
	Survey No	168, Block - 1	
Location of Site	Village	Karukutty	
	Panchayath	Karukutty	
	Taluk	Aluva	
	District	Ernakulam	
	State	Kerala	
Customer Reference	Test Request form dated 22.03.2019		
SAMPLE DETAILS			
Sample Code	TC540219000001173F	Sample Received On	23.03.2019
Sample Name	Water	Sampling Procedure	---
Sample Description	Bore well	Sampling Location	---
Identification By Customer	---	Sample Condition	Good
Sampled On	22.03.2019	Test Started On	23.03.2019
Sampled By	Customer	Test Completed On	26.03.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2017	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	0.60	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	6.86	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2013	μS/cm	178	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	112	500 (Max)
07	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2014	mg/L	42.0	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	14.4	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	2.40	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	29.1	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2014	mg/L	36.5	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.28	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	8.12	200 (Max)
14	Fluoride (as F)	APHA 23rd Edition 4500-F- B D: 2017	mg/L	< 0.10	1.00 (Max)
15	Arsenic (as As)	IS 3025 Part 37:1988 RA 2014	mg/L	< 0.01	0.01 (Max)
16	Copper (as Cu)	IS 3025 Part 42:1992 RA 2014	mg/L	< 0.05	0.05 (Max)
17	Manganese (as Mn)	IS 3025 Part 59:2006 RA 2012	mg/L	< 0.05	0.10 (Max)
18	Cadmium (as Cd)	IS 3025 Part 41:1992 RA 2014	mg/L	< 0.003	0.003 (Max)
19	Chromium (as Cr)	IS 3025 Part 52:2003 RA 2014	mg/L	< 0.05	0.05 (Max)

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Accreditation and Approval: NABL as per ISO 17025: 2005 & "A" Grade laboratory of KSPCB
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Web: www.sealabs.in, E-mail: sealab@gmail.com, info@sealabs.in

**TEST REPORT**

NABL(TC-5402)

Test Report No:TC540219000001173F	Date: 30.03.2019	Page 2 of 2
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20	*Zinc (as Zn)	IS 3025 Part 49:1994 RA 2009	mg/L	< 0.20	5.0 (Max)
21	Mercury (as Hg)	IS 3025 Part 48:1994 RA 2014	mg/L	< 0.001	0.001 (Max)
22	Lead (as Pb)	IS 3025 Part 47:1994 RA 2014	mg/L	< 0.01	0.01 (Max)
23	Aluminium (as Al)	IS 3025 Part 55 :2003 RA 2014	mg/L	< 0.03	0.03 (Max)
24	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
25	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

End of Report

For and on behalf of
Standard^S Environmental & Analytical Laboratories


Vidhya
Authorized Signatory
Vidhyalakshmi Das
Microbiologist

Riya
Authorized Signatory
Riya Joseph
Technical Manager

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TEST REPORT



NABL(TC-5402)

Test Report No: TC540219000001174F		Date: 30.03.2019		Page 1 of 2	
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CUSTOMER DETAILS					
Customer Details	Name & Address		M/s Planters Aggregates Karukutty, Aluva, Ernakulam District		
	Survey No		168, Block - 1		
Location of Site	Village		Karukutty		
	Panchayath		Karukutty		
	Taluk		Aluva		
	District		Ernakulam		
	State		Kerala		
Customer Reference		Test Request form dated 22.03.2019			

SAMPLE DETAILS			
Sample Code	TC540219000001174F	Sample Received On	23.03.2019
Sample Name	Water	Sampling Procedure	---
Sample Description	Quarry Water	Sampling Location	---
Identification By Customer	---	Sample Condition	Good
Sampled On	22.03.2019	Test Started On	23.03.2019
Sampled By	Customer	Test Completed On	26.03.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:1983 RA 2017	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	7.13	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2013	μS/cm	252	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	158	500 (Max)
07	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2014	mg/L	72.0	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	20.0	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	5.36	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	27.2	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2014	mg/L	56.8	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	< 0.10	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	15.0	200 (Max)
14	Fluoride (as F)	APHA 23 rd Edition 4500-F- B D: 2017	mg/L	< 0.10	1.00 (Max)
15	Arsenic (as As)	IS 3025 Part 37:1988 RA 2014	mg/L	< 0.01	0.01 (Max)
16	Copper (as Cu)	IS 3025 Part 42:1992 RA 2014	mg/L	< 0.05	0.05 (Max)
17	Manganese (as Mn)	IS 3025 Part 59:2006 RA 2012	mg/L	< 0.05	0.10 (Max)
18	Cadmium (as Cd)	IS 3025 Part 41:1992 RA 2014	mg/L	< 0.003	0.003 (Max)

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Web: www.sealabs.in Email: sealabs@gmail.com info@sealabs.in

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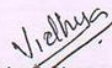
TEST REPORT

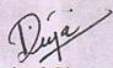

 NABL(TC-5402)

Test Report No: TC540219000001174F			Date: 30.03.2019		Page 2 of 2
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19	Chromium (as Cr)	IS 3025 Part 52:2003 RA 2014	mg/L	< 0.05	0.05 (Max)
20	*Zinc (as Zn)	IS 3025 Part 49:1994 RA 2009	mg/L	< 0.20	5.0 (Max)
21	Mercury (as Hg)	IS 3025 Part 48:1994 RA 2014	mg/L	< 0.001	0.001 (Max)
22	Lead (as Pb)	IS 3025 Part 47:1994 RA 2014	mg/L	< 0.01	0.01 (Max)
23	Aluminium (as Al)	IS 3025 Part 55 :2003 RA 2014	mg/L	< 0.03	0.03 (Max)
24	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
25	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

End of Report


 Authorized Signatory
 Vidhyalakshmi Das
 Microbiologist


 Authorized Signatory
 Rija Joseph
 Technical

For and on behalf of
Standard^S Environmental & Analytical Laboratories

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Result of Quarry water