

The background features a decorative graphic consisting of three concentric blue circles of varying sizes. Two circles are positioned in the upper right quadrant, and a larger one is in the bottom right corner. Thin blue lines intersect diagonally across the page, creating a geometric pattern.

COMPLIANCE REPORT

APRIL – SEPTEMBER 2016

Planters Aggregates

Ernakulam District, Kerala



Dt.....

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 of M/s Planters
aggregates Quarry project is situated 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 15-13-2013 by State
Environmental Impact Assessment Authority, Kerala. The compliance report of **first half**
(April 2016 to September 2016) to the specific and general conditions of the
Environment Clearance order is enclosed.

Thanking you,
Yours respectfully,

For M/s Planters aggregates

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**

BY
**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
FOR
BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT**

AT
**SURVEY NO. 168
Karukutty VILLAGE & PANCHAYATH, ALWAYS,
ERNAKULAM DISTRICT, KERALA.**

BY
**M/S PLANTERS AGGREGATES,
ERNAKULAM DISTRICT, KERALA.**

(April - September, 2016)

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INTRODUCTION

M/s Planters aggregates Quarry project 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 15.13.2013.

The half yearly compliance report needs to be submitted as part of general condition No.25 of Environmental Clearance order by the project proponent. The compliance report to the specific conditions and general conditions of the Environmental Clearance for the period of April - September, 2016 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 ⁰ 16' 31.28" N Longitude (E) 76 ⁰ 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
Mineable 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 9°59'21.50 to 9°59' 12.22" Latitude (N) and 76°37'20.43" to 76°37'06.07"(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:

As part of storm water management, the storm water from entire mining area is channeled to the existing pond in the site through well maintained channels and drainage lines. The project has constructed pits at the last point of drainage to prevent sediments from the storm water. 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.	Will be Complied
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Compliance:

The project proponent will be scrupulously followed 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 – 30m. Therefore the mining depth will maintain as 30 m as agreed in the proposal.

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:

The garland drains maintained around the project area will help to collect the rain water to the collection pond. The Rain Water Harvesting (RWH) system is implemented and properly used for the industry. Rain water from entire project area has been collecting in the existing pond which is situated in the lowest level of project area through channels and drainages. Rain water is mainly used for gardening, wetting of roads and sprinkler system for contain dust emission. Two concrete tanks are also used for collecting rain water and its efficient utilization. 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.	Being 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 every month 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 monitored results are well within the permissible limits. The results are given at **Annexure No. 11, 12, & 13**. The details of monitoring cell are given below.

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	Kamalkanth
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:

Avenue trees can perform as dust regulation mechanism therefore the project proponent is intending to plant more saplings along the road side and parking area, 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 photographs showing the natural vegetation is attached at **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>	Kunnapala	Apocynaceae	Tree
3.	<i>Chromolaena odorata</i>	Communist-pacha	Compositae	Shrub
4.	<i>Mangifera indica</i>	Mavu	Anacardiaceae	Tree
5.	<i>Ziziphus oenoplia</i>	Thodalli	Rhamnaceae	Climber

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

As part of reduce the consumption of energy from conventional sources, energy conservation and to use renewable energy, the project proponent has installed solar street lights in the project site near to the office and magazine area. The photograph of the solar street lights is attached at **Plate No. 4.**

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

To contain dust emissions, the project installed sprinklers in the sides of service road, on the top and nearby areas of crusher building. The sprinklers are water efficient and the same is using effectively. The photograph of the sprinklers is attached at **Plate No. 5.**

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

The eco- restoration is an integral part of the mining industry and it will be carried out as per the proposal submitted. 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. As part of eco - restoration, the project is intending to plant various saplings including herbs on the prepared benches. The photograph of benches covered by coir mat is attached at **Plate No. 6**.

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

The project has carried out many activities under Corporate Social Responsibility (CSR); the main activities are in the sectors like as food provisions to treatment support, promotion of sports and culture, aid for constructing houses and toilets, promotion of environment, etc. The project is providing food provisions to Emmanuel orphanage in every month. The details of activities under CSR are given below. The bills and receipts of the same are attached at **Annexure No. 1**.

Table 3 The details of performed activities under CSR

Sectors	Activities	Partners	Beneficiaries	Location	Amount spent in Rs.
Promotion of education	Donation	Educational service society of India	Children from economically backward		3,000
Health care	Provide provisions	Nil	Destitute children of		92,400

	for nutritious food		Emmanuel home		
	Treatment support	CBO	A M vijayan	Konnathuk unnu	1,000
Promotion of Arts and culture	Donation for Onanilavu	<i>DYFI</i>	Public	Pallissery	30,000
	<i>Donation for Gramolsavam</i>	Gramolsavam	Public	Monoor palli	4,000
	<i>Donation for festival</i>	SNDP library		Palissery	2,000
	<i>Donation for Festival</i>	St. Maries Church	Public	Pootham kutty	751
	Donation for Festival	Dream makers	Public	Karamatto m	3,000
	Donation for cultural programme	Samanwayam	Public	Nallukettu	1620
	Donation for Cultural programme	Sree narayana temple	Public	Monoorpilly	5,000
	Donation	St. Gerge Church	Public	Karamatto m	3,000
	Donation for Kavadi programme	SNDP library	Public	Paduvapur am	3,000
	Donation for festival	Muthappan temple	Public	Pallissery	2,000
Infrastructure Development	Drinking water project	LSG	Public		17,850
	Crusher products for construction of house		Jorly Jose		2,500
Environment	Donation	Paristhithi bodhavalkara na samithi	Public		500
	Doantion	Pollution control Federation	Public		2,000
Others	Donation	Janahitha samrakshana Ssamithi	Public		500

	Donation	Janasakthi Charitable society	Public		500
	Donation	RTI Development Council	Public		10,000
Total amount in Rs.					1,84,621

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

To ensure safety and prevent the falling of animals/ human/dumping of garbage's etc, in to the mining area 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 blasting time is fixed between 11.30n 11.00 t AM to 3.30pm to 4:00 PM. A danger board is also installed which gives information about the blasting time. 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 a crusher unit near to the quarry site in the project land. A well tarred road is maintaining up to crusher unit (2.5 Km) for contain dust emission that may arise during transportation of materials. The access road to the quarry is maintained under sprinkler system to control the dust emission during transportation. This access road is maintaining with granite metals for traveling Hitachi like excavation machines. The photograph is showing the tarred access road, provided at **Plate No. 9**.

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

The overburden is an inevitable product of a mining industry. At present the overburden excavated from the quarry is dumping in to three abandoned quarries within the 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.	Being complied
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Compliance:

To ensure safety of labours and living creatures, the project is maintaining the height of the bench not exceed 5 meters and width not less than 5 meter. The minor minerals are exploring under the supervision of qualified persons so that the project can

form the benches systematically. The copy of certificates of second class manager and mines mate are attached at **Annexure No 7 & 8**. The photograph showing the height and width of benches is attached at **Plate No. 11**.

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

The project is yet to use mats to reduce fly rocks during the time of blasting. The project is using electric delayed detonator for blasting therefore the problem with fly rock in the community is nil. The project can also assure the maximum PPV is under 10 with the controlled blasting operations under the supervision of qualified persons

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 exploration of mineral will be maintained as 30 m as agreed in the proposal. To ensure this, the project appointed second class manager and mining mate. The all activities of these qualified persons will be under the supervision and monitoring of Environment Monitoring Cell.

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:

The crusher unit is encircled by green belt. The solid brick housing of crusher and green belt is maintaining the noise level as per CPCB standards. 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**.

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.	Will be complied
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Compliance:

Assurance in the form of affidavit was already submitted to SEIAA Kerala after getting the Environmental Clearance. 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:

To prevent quarry waste and channelize storm water to the constructed rain water collection pond, the project proponent has provided garland drains at the lower slopes of project site.

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

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 will prevent 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 approvals required for the quarrying activity is obtained. The copy of the approvals obtained is provided at **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
Environmental Clearance order	State Environmental Impact Assessment Authority, Kerala	58/SEIAA/KL/7586/2012 Dated: 15/03/2013
"Consent to Operate"	Kerala State Pollution Control Board	File No. PCB/EKM/DO-1/OA-404/15 Dated : 08/03/2016
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	38/16-17 Dated:1/04/2016
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:

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

21	The authority reserved 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.	Will be complied
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Compliance:

If the authority instructs to add additional safeguard measures subsequently, 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.	Will be 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, 1967.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Central Ground Water Authority
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009
- The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.

23	<p>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 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.</p>	Complied
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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. 09.**

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.plantergroup.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 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.	Being complied
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Compliance:

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

K.S.R.MILLS
MOOKKANNOOR - 683 577
Angamaly, Ernakulam Dist., Kerala
THE KERALA VALUE ADDED TAX RULES 2005 FORM NO. 8
(For Vat dealers - Manufacturers) [See Rule 58 (10)]


PAMBA EXPORT QUALITY RICE


Tin No : 32150835494
CST No : 1508C003549
Consignee

Telephone : 0484-2615449
2615781

TAX INVOICE CASH/CREDIT

To <u>Planters Aggregates</u> <u>supplied to Immanuel</u>				Invoice No. : 601			
TIN <u>anphange Azhokam</u>				Date : <u>24/9/16</u>			
CST <u>Rg.no 588/2000</u>				Purchase Order No. :			
Ph.No.....Cell No.....				Terms of Payment : (If any)			


Sl. No.	Commodity Code	Commodity/Item	Rate/Kg	No. of bags	Weight of bags	Weight Qtls. Kg	Amount Rs. Ps.
1	2	3	4	5	6	7	8
		<u>Rice</u>	<u>26</u>	<u>8</u>	<u>75</u>	<u>600</u>	<u>15600</u>
							
Rupees (in words).....					9	Total	<u>15600</u>
Truck No.....Name of Driver.....					10	Grand Total (9+10)	<u>15600</u>

DECLARATION (TO BE FURNISHED BY THE SELLER)

Certified that all the particulars shown in the above Tax Invoice are true and correct in all respects and the goods on which the tax charged and collected are in accordance with the provisions of the KVAT Act 2003 and the rules made there under. It is also certified that my/our registration under KVAT Act 2003 is not subject to any suspension/cancellation and it is valid as on the date of this bill.

Original (For the buyer) Duplicate (For the transport copy)

For K.S.R. MILLS


Authorised Signatory
(With status and seal)

Receipts of activates under CSR

ANNEXURE No. 3



सत्यमेव जयते

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-

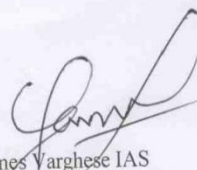
2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord necessary Environmental Clearance for the above project as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and subsequent 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

Page 2 of 4

EC order

Annexure No.3

अनुज्ञप्ति प्ररूप एन.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. अनुज्ञप्तिधारि की प्रस्थिति | Status of licensee : Individual

3. अनुज्ञप्ति निम्नलिखित प्रयोजनों के लिए विधिमानी 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 विधिमानी है।
Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

Sr. No.	Name and Description	Class & Division	Sub-division	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। रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/751(E33224)
The licensed premises shall conform to the following drawing(s): 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 अंतर्निहित हैं। T and G type portable magazine and D type portable magazine
The licensed premises consist of following facilities.

8. अनुज्ञप्ति समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाधियों 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 विधिमानी 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 प्रतिस्वत 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


Amendments :
Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 20/01/2011
Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 30/06/2011
Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 19/02/2013

नवीनीकरण के पृष्ठानक के लिए स्थान
Space for Endorsement of Renewal

नवीनीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
14/03/2016	31/03/2021	Dy. Chief Controller of Explosives, Ernakulam कुसे सप 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 :08/03/2016

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : R15ERRCTO964788

Ref : R15ERRCTOA964872, DATED :10.04.2015

The 'Integrated Consent to Operate' issued as per reference above to M/s PLANTERS AGGREGATES OWNED BY SAJI VADAKKEKARA,PALISSERY EZHATTUMUGHAM,PO ANGAMALY ERNAKULAM is hereby renewed up to 31/03/2019 and issued to M/s PLANTERS AGGREGATES OWNED BY SAJI VADAKKEKARA,PALISSERY EZHATTUMUGHAM,PO ANGAMALY ERNAKULAM. The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Validity	31.03.2019
2	Capital Investment	Rs.46 Lakh
3	Annual Fee	Rs.6560/-
4	Fee remitted	Rs.21,320/-

II. Stack Details

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


III. CONDITIONS

1.2 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.

1.3 There shall not be any quarrying activity between 6 pm to 6 am


1.4 Mining activities shall be done only in the area marked by Mining & Geology.

1.5 The PM10 in ambient air at the boundary shall not exceed 100 microgram/m³



Consent to Operate from Kerala Pollution Control Board

ANNEXURE NO. 5




ലൈസൻസ് നമ്പർ 38/16.13 തീയതി 1.4.2016

ഒറ്റാടി ഗ്രാമ പഞ്ചായത്തിൽ നിന്നും

1994 ലെ ഭൂമി ഉപയോഗ നിയമം (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അതേ തുടർന്നുള്ള പട്ടണവും അനുസരിച്ച് നൽകുന്ന

ഡി & ഒ ലൈസൻസ്

ലൈസൻസിനു പേരും മേൽവിലാസവും	<u>രത്ന വർമ്മ, വടക്കേക്കര റ്റൂറിസം ഓഫീസ്, കോട്ടയം റോഡ്, കോട്ടയം 682011</u>	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	<u>ജാലാശ്വനം ഗ്രാമപഞ്ചായത്ത് ഓഫീസ്</u>	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	<u>Quarrying of Granite , Building Stone</u>	
കെട്ടിടത്തിന്റെ നമ്പരും വാർഡ് നമ്പരും	<u>Ward VIII</u>	
ലൈസൻസ് കാലാവധി	<u>1.4.16</u>	തുടർ <u>31.3.17</u> വരെ
ഇടപാടുകാരന്റെ ലൈസൻസ് ഫീസ്	<u>4000/- രൂപ</u>	രസീത് നമ്പർ <u>4293/22.2.16</u>
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരീക്ഷണ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലാവധി, നൽകിയ അധികാരസ്ഥാനം)	<u>i. Sanitary Certificate</u> <u>ii. Environment Certificate</u> <u>iii. P.C.B. Noc</u> <u>iv. Fire Noc</u> <u>v. Shot fires Certificate</u> <u>vi. Mining & Geology Certificate</u>	



സെക്രട്ടറി
Karukutty Gram Panchayat

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)
[Signature]
3.1.2
Senior Superintendent

yk-3 1.11

Lease order from Directotre of Mining and Geology

ANNEXURE No. 7

Cert No. SMR/4819/

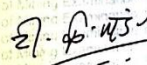
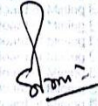
सत्यमेव जयते

भारत सरकार/Government of India
खान अधिनियम, 1952/Mines Act, 1952
खनन परीक्षा बोर्ड/Board of Mining Examinations
द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र
SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY
(केवल ओपनकास्ट खानों तक समित)

(Restricted to mines having opencast workings only)
(धात्विकीय खान विनियम, 1961 के अन्तर्गत)
(Under the Metalliferous Mines Regulations, 1961)

श्री कंकोणकर कमलाकान्त मंगेश सुपुत्र मंगेश बी. कंकोणकर
जिनकी जन्म तिथि 21.01.1971 है, को विहित अर्हताएं एवं अनुभव प्राप्त करने
का सन्तोषजनक प्रमाण प्रस्तुत करने एवं अक्टूबर, 2010 में आयोजित विहित परीक्षा में उत्तीर्ण होने पर
एतद्वारा केवल ओपनकास्ट धात्विकीय खानों के प्रबंध हेतु द्वितीय श्रेणी प्रबंधक सक्षमता प्रमाण-पत्र प्रदान
किया जाता है। यह प्रमाण-पत्र दिनांक 05.04.2011 से प्रभावी है।

Shri Kanikonkar Kamalakant Mangesh of Mangesh B. Kanikonkar
born on 21st January, 1971 having given satisfactory evidence of possessing
the prescribed qualifications and experience and having passed the prescribed examination held in
October, 2010 is hereby granted SECOND CLASS MANAGER'S CERTIFICATE OF
COMPETENCY to manage the metalliferous mines having opencast workings only. This
certificate is effective from 05.04.2011


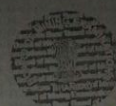
 

सचिव **अध्यक्ष**
खनन परीक्षा बोर्ड **खनन परीक्षा बोर्ड**
Secretary **Chairman**
Board of Mining **Board of Mining**
Examinations **Examinations**

Signed and Sealed
Date 12.08.11


Certificate of second 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)

Affixed Copy

 PAUL ANTHONY
 MINE MANAGER

श्री सुपुत्र
 जिनकी जन्म तिथि 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
 दक्षिणी अंचल बंगलूर
 Zonal Secretary Board of Mining Examinations
 Southern Zone, Bengaluru.

अध्यक्ष
 खनन परीक्षा बोर्ड
 Chairman Board of Mining Examinations

Signed and Sealed

Certificate of Mining mate

[illegible][illegible]

ANNEXURE No. 10



കേരളം കേരल KERALA

AFFIDAVIT

X 340969

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

Saji Vadakkekara

Solemnly affirmed and signed before me

by the Deponent in my office at

Kolenchery on 15th day of April 2013

Saji, Vadakkekara
Vadakkakara 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

Test Report No: SEANN/1606/R209	Date: 28.06.2016	Page 1 of 1
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s Planters Aggregates Karukutty, Aluva, Ernakulam District
	Survey No	168, Block - 1
	Village	Karukutty
	Panchayath	Karukutty
	Taluk	Aluva
	District	Ernakulam
	State	Kerala
Customer Reference	Test Request Form Dated 24.06.2016	

SAMPLE DETAILS	
Source of sample	Ambient Sound Level
Location of Monitoring	Near East side Boundary
Date of Monitoring	24.06.2016

DAYTIME	RESULT	NIGHTTIME	RESULT
06.00 Hrs	41.6 dB (A)	23.00 Hrs	34.7 dB (A)
07.00 Hrs	44.0 dB (A)	00.00 Hrs	35.0 dB (A)
08.00 Hrs	46.5 dB (A)	01.00 Hrs	33.2 dB (A)
09.00 Hrs	50.1 dB (A)	02.00 Hrs	35.2 dB (A)
10.00 Hrs	52.5 dB (A)	03.00 Hrs	34.8 dB (A)
11.00 Hrs	48.9 dB (A)	04.00 Hrs	35.6 dB (A)
12.00 Hrs	50.9 dB (A)	05.00 Hrs	36.0 dB (A)
13.00 Hrs	49.7 dB (A)	RESULTS	
14.00 Hrs	52.5 dB (A)		
15.00 Hrs	50.9 dB (A)	Ambient Sound Level (Leq) Daytime	48.8 dB (A)
16.00 Hrs	51.3 dB (A)		
17.00 Hrs	49.3 dB (A)	Ambient Sound Level (Leq) Nighttime	35.0 dB (A)
18.00 Hrs	47.7 dB (A)		
19.00 Hrs	45.2 dB (A)		
20.00 Hrs	41.2 dB (A)		
21. 00.Hrs	40.7 dB (A)		
22.00 Hrs	38.0 dB (A)		

End of Report

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


Rija
Authorized Signatory
Rija Joseph
Technical Mannager

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

Result of ambient sound level

ANNEXURE No.12

Standard^s
Environmental Monitoring


NABL(T-3620)

TEST REPORT

Test Report No: SEAAL/1606/R031	Date: 28.06.2016	Page 1 of 1
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
CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Planters Aggregates Karukutty, Aluva, Ernakulam District	
	Survey No	168, Block - 1	
	Village	Karukutty	
	Panchayath	Karukutty	
	Taluk	Aluva	
	District	Ernakulam	
	State	Kerala	
Customer Reference	Test Request form dated 24.06.2016		

SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	SEAAL/1606/S031
Location of Monitoring	Near East Side Boundary	Sampled By	By Laboratory
Date of Monitoring	24.06.2016	Test Started On	25.06.2016
Sample Received On	25.06.2016	Test Completed On	27.06.2016
Humidity	71 %	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: Reaff. 2012 SEAAL/SOP/01 Issue No.01 Dated 05.06.2015	µg/m ³	49.6	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L SEAAL/SOP/02 Issue No.01 Dated 05.06.2015	µg/m ³	27.3	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: Reaff. 2012 SEAAL/SOP/03 Issue No.01 Dated 05.06.2015	µg/m ³	3.2	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: Reaff.2012 SEAAL/SOP/04 Issue No.01 Dated 05.06.2015	µg/m ³	2.2	80.0

End of Report

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


Authorized Signatory
Rija Joseph
Technical Mannage

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.

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

Result of ambient air

ANNEXURE No.13

**TEST REPORT**

Test Report No: SEAAL/1606/R033	Date: 28.06.2016	Page 1 of 2
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CUSTOMER DETAILS			
Customer Details	Name & Address	M/s Planters Agggregates Karukutty, Aluva, Ernakulam District	
	Survey No	168, Block - 1	
	Village	Karukutty	
	Panchayath	Karukutty	
	Taluk	Aluva	
	District	Ernakulam	
	State	Kerala	
Customer Reference	Test Request Form dated 24.06.2016		
SAMPLE DETAILS			
Sample Code	SEAAL/1606/S033	Sample Received On	25.06.2016
Sample Name	Water	Sampling Procedure	SEAAL/MSP/24
Sample Description	Quarry Water	Sampling Location	---
Identification By Customer	---	Sample Condition	Good
Sampled On	24.06.2016	Test Started On	25.06.2016
Sampled By	By Laboratory	Test Completed On	28.06.2016

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULTS	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4: Reaff. 2012	Hazen	5.0	5.0 (Max)
02	Odour	IS 3025 Part 5: Reaff. 2012	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 5: Reaff. 2012	NTU	10.30	1.0 (Max)
04	pH @ 25 °C	IS 3025 Part 11: Reaff. 2012	---	6.84	6.5 - 8.5
05	Total Dissolved Solids	IS 3025 Part 16: Reaff. 2012	mg/L	136	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21: 2009	mg/L	70.70	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 4: Reaff. 2009	mg/L	24.20	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 46: Reaff. 2009	mg/L	2.46	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32: Reaff. 2009	mg/L	12.6	250 (Max)
10	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23 : Reaff. 2009	mg/L	27.7	200 (Max)
11	Iron (as Fe)	IS 3025 Part 53: Reaff. 2009	mg/L	0.21	0.30 (Max)
12	Sulphate (SO ₄)	IS 3025 Part 24: Reaff. 2009	mg/L	24.40	200 (Max)

End of Report

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

Rija
Authorized Signatory
Rija Joseph
Technical Mannager

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Test Report No: SEAAL/1606/R032

Date: 28.06.2016

Page 2 of 2

SL No	PARAMETERS TESTED	TEST METHOD	UNIT	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
13	Fluoride (as F)	IS 3025 (Part 60)	mg/L	< 0.10	1.0 (Max)
14	Arsenic (as As)	APHA 3111B	mg/L	< 0.002	0.01 (Max)
15	Copper (as Cu)	APHA 3111B	mg/L	< 0.005	0.05 (Max)
16	Manganese (as Mn)	APHA 3111B	mg/L	< 0.01	0.1 (Max)
17	Cadmium (as Cd)	APHA 3111B	mg/L	< 0.002	0.003 (Max)
18	Chromium (as Cr)	APHA 3111B	mg/L	< 0.025	0.05 (Max)
19	Zinc (as Zn)	APHA 3111B	mg/L	< 0.002	5.0 (Max)
20	Mercury (as Hg)	APHA 3111B	mg/L	< 0.0005	0.001 (Max)
21	Cyanide (as CN)	APHA 3111B	mg/L	< 0.01	0.05 (Max)
22	Lead (as Pb)	APHA 3111B	mg/L	< 0.005	0.01 (Max)
23	Aluminium (as Al)	APHA 3111B	mg/L	< 0.005	0.03 (Max)
24	Total coliform bacteria	IS 1622 - 1981	MPN/100ml	15.0	2.0 (Max)
25	E - Coli	IS 1622 - 1981	----	Absent	Absent/100ml

End of Report

For and on behalf of
Standard S Environmental & Analytical Laboratories

Authorized Signatory

Rija Joseph
Technical Manager

Standard S Environmental & Analytical Laboratories

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Result of drinking water