COMPLIANCE REPORT APRIL 2020 - SEPTEMBER 2020

M/s New Bharat Stone Crusher & Hollow Brick Industries

(Quarry Project)
Kannur District
Kerala

File NO: 43/SEIAA/KL/7163/2012

New Bharath Stone Crusher & Hollow Bricks Industries

24th Mile Nedumpoyil, Poolakutty P.O.
Ph: 0490 - 2302809, Mob : 9544700809, 9544900809
Kannur - 670 650

Dt. 07-12-2020

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. 43/SEIAA/KL/7163/2012

Subj :- Environment Clearance - Quarry project at Kanichar Village & Panchayath, Thalassery Taluk, Kannur District, Kerala - Compliance Report - First half - Reg.

Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 3.9076 Ha. by order No. 43/SEIAA/KL/7163/2012, dated 15-03-2013 by State Environmental Impact Assessment Authority, Kerala. The compliance report of First Half (April 2020 – September 2020) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

For NEW BHARATH STONE CRUSHER & HOLLOW BRICKS INDUSTRIES

Copy to:-

The Member Secretary

State Environment Impact Assessment Authority (SEIAA),

Thiruvananthapuram, Kerala.

Encl: - As Above

Manufacturers of Aggregates

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 43/SEIAA/KL/7163/2012

Dated 15.03.2013

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT

AT

SURVEY NO. 1411

KANICHAR VILLAGE & PANCHAYATH, THALASSERY,

KANNUR DISTRICT, KERALA

BY

NEW BHARAT STONE CRUSHER & HOLLOW BRICKS INDUSTRIES

KANNUR DISTRICT

KERALA

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INTRODUCTION

Quarry project of M/s New Bharat Stone Crusher & Hollow Bricks Industries is situated at survey No. 1411, at Kanichar Village & Panchayath, Thalassery Taluk, Kannur 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 2020 - September 2020 is being submitted.

Compliance Report

BRIEF OF THE PROJECT

Type of Project	Quarry project (building stone)
Name of the project	M/s New Bharat Stone Crusher & Hollow Bricks Industries
Category of the project	B2 As per O.M. No. L-11011/ 47/2011-IA.II (M) dated 18.05.2012.
GPS Locations	Latitude N 11 ⁰ 51' 03.44" N
Address for correspondence	Longitude E 75° 45′ 48.30" E 24 th Mile Nedumpoyil,Poolakkuty, P.O. Kannur District, Kerala-670650 Email id:- nbscrusher@yahoo.in
	Phone No. – 0485-2302809
Name, Phone Number & e - mail id of responsible persons	 Mr. Abin Issac Partner abinissac.77@gmail.com 9947 565 233 Yesran Pasha Manager yesranpasha@gmail.com 9544 924 440
Mai	n Features
Total area under Environment Clearance	3.9076 hectare
Minable reserves	33,60,000
Production	2,40,000 MTA
Life of Mine	14 years
Highest and lowest elevation	225 m MSL and 90 m MSL
Crusher unit	Yes within the project site
Environmental Settings	
Nearest stream	Not within 500 meter
Nearest house	None within 100m meter
Nearest town	Peravoor
Nearest worship place	Nedumpoyil -2 Km

Nearest hospital	Peravoor - 10 km towards NW.		
Nearest School	Perunthodi aided school -5 km – NW		
Seismic zone	Zone-III, Moderate damage risk zone as par BMTPC, Vulnerability atlas Seismic zone of India IS: 1893-2002.		
Air quality	Under NAAQ standard		
Water quality	Under permissible limit of IS 10500 -2012		
Ambient noise	43.9 dB (A) at day time Under permissible limit		

Compliance Report

PART - A - SPECIFIC CONDITIONS

01	A buffer distance of at least 100 m. from the quarry to the main road	Complied
	should be maintained.	

Compliance:

Nedumpoyil – iritty road is the nearest road to the quarry site. To ensure safety of passengers, and to prevent possible damage due to the vibration of blasting, the project proponent has maintained 120 meter buffer distance from the main road for exploration of building stones form the project site.

0	2	The	required	distance	from	the	Н	Τ	line	to	be	maintained	as	Complied
		pres	cribed by	KSEB										

Compliance:

As per the direction of State Environment Impact Assessment authority, Kerala, the project is doing no mining activity near to the H T line. The mining activity is progressing more than 300 meters away from the H T line of KSEB. The photograph of HT line and nearby area is given in **Plate No. 1.** This measure has taken as safeguard mitigation for an uninterrupted splay of electricity.

0	3	Depth of mining should not exceed 35 meter below ground level as	Being
		given in the proposal	complied

Compliance:

The exploration of building stone is progressing as per the plan submitted in front of State Environment Impact Assessment Authority (SEIAA), Kerala. The project proponent does not start to explore miner minerals from the ground level as part of mining operations. The maximum depth of mining will not exceed 35 meter below the ground level as proposed.

PART - B - GENERAL CONDITIONS

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

Compliance:

To collect rain water from the entire project land, the proponent has developed rain water harvesting pond in the quarrying area. The pond situated at the lowest level of project site. The surface runoff is channelized to the pond through garland drains. The water from pond is mainly used for watering of plants, wetting of roads and sprinkler system for contain dust emission. The photograph showing the rain water collection pond in the project area is attached in **Plate No. 2.**

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

Compliance:

The project proponent has constituted an Environment Monitoring Cell (EMC) with Mr. Abin Issac Nair as head of the cell. The meetings of the cell convened periodically and evaluate the activities towards the stipulations of Environmental Clearance order.

As part of monitoring, the quality of sound level, ambient air and water are monitored through a NABL accredited laboratory. The test results are well within the permissible limits. The results are given at **Annexure No. 1, 2 & 3.** The details of the monitoring cell are given below in the **Table No. 1.**

Table 1 - Environmental Monitoring Cell (EMC)

SI. No.	Post	Name
1.	Head of monitoring cell (proprietor)	Abin Issac
2.	Head in charge (Environmental)	Yesran Pasha.S
3.	Senior Environmental Officer	George
4.	Environmental consultant	M/s Environmental Engineers & Consultants Pvt. Ltd. A1-198, Janak Puri, New Delhi

M/S New Bharat Stone Crusher & Hollow Bricks Industries Compliance Report

5.	Address of Environmental Laboratory	Standards	Environmental	&
		Analytical La	aboratories, KJ Tov	ver,
		Udyogamano	dal, EKM	

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

Compliance:

To enrich vegetation and prevent air pollution, the project proponent planted suitable avenue trees along either side of the roads, parking area and other areas in the project land. There are natural vegetations including trees, shrubs, herbs and climbers also present. The name and family of flora is given below in **Table No 2**. The photograph of the avenue tress is attached as **Plate No.3**. The copy of bill is given in **Annexure No.4**.

Table 2 - Details of the natural vegetation existing along the road side

SI.	SI. Scientific Name Common Nam		Family	Туре	
No.					
1.	Tectona grandis	Thekku	Verbenaceae	Tree	
2.	Humboldtia brunonis var.	Asokam	Fabaceae	Tree	
	Brunonis				
3.	Casuarina equisetifolia	Kattadi	Casuarinaceae	Tree	
4.	Artocarpus heterophyllus	Plavu	Moraceae	Tree	
5.	Actinostrobus	Cypress	Callitroideae	Tree	
	pyramidalis				
6.	Nerium oleander	Arali	Apocynaceae	Small tree	
7.	Chrysophyllum cainito	Sappotta	Sapotaceae	Tree	
8.	Chromolaena odorata	Communist-pacha	Compositae	Shrub	
9.	Rosa bracteata	Rose	Rosaceae	Shrub	
10.	Murraya paniculata	Mramulla	Rutaceae		
11.	Mangifera indica	Mavu	Anacardiaceae	Tree	

Compliance Report

12.	Ziziphus oenopolia	Thodalli	Rhamnaceae	Climber
13.	Swietenia macrophylla	Mahagany	Meliaceae	Tree

04	4	The project shall incorporate devices for solar energy generation and	Complied
		utilization wherever possible.	

Compliance:

As part of energy conservation, the project proponent is generating and utilizing energy from solar by installing solar street lights in the project site. The photograph of solar street light is provided is **Plate No.4.** The purchasing bill of solar street light is given in **Annexure No. 5.**

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

Compliance:

The emission of dust is a major adverse effect of a mining industry. To prevent dust emission, sprinklers are installed in the project site. This help to suppress dust during the time summer season. This sprinkler can perform as rain which could cover 20,235 sq. meter of the project site. This helps to control dust pollution of the atmosphere and reduce the temperature so that the labours can do their work with ease and comfort. The new technology of splashing of water can reduce the content of PM_{2.5} and PM ₁₀ in air at large level. The photographs showing the effective utilization of sprinklers in the project area is provided in **Plate No. 5**.

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

Compliance:

As part of eco restoration, the project proponent started to plant various saplings within the project area. The list of tree/shrub/herb saplings planted in the project site is given below in table No. 3. The mine closure plan will be done at own

Compliance Report

cost of project proponent as agreed in the proposal. The copy of bill is given in **Annexure No. 4.**

<u>Table 3 – The details of saplings planted as part of eco - restoration</u>

SI. No.	No. Scientific Name Common Name		Family	Туре
1.	Humboldtia brunonis var.	Asokam	Fabaceae	Tree
	Brunonis			
2.	Casuarina equisetifolia	Kattadi	Casuarinaceae	Tree
3.	Artocarpus heterophyllus	Plavu	Moraceae	Tree
4.	Chrysophyllum cainito	Sappotta	Sapotaceae	Tree
5.	Bougainvillea spectabilis	Kadalasu poovui	Nyctaginaceae	Shrub
6.	Cupressus macrocarpa	Cypress	Cupressaceae	Tree
7.	Rosa multiflora	Rose	Rosaceae	Shrub
8.	Musa paradisiaca	Vazha	Musaceae	Herb
9.	Coccos nucifera	Thengu	Arecaceae	Tree
10.	Swietenia mahagoni	Mahagony	Meliaceae	Tree
11.	Tectona grandis	Thekku	Verbenaceae	Tree
12.	Nerium oleander	Arali	Apocynaceae	tree
13.	Rosa bracteata	Rose	Rosaceae	Shrub
14.	Murraya paniculata	Mramulla	Rutaceae	Shrub
15.	Solanum melongena	Brinjal	Solanaceae	Shrub

07	Corporate	Social	Responsibility	agreed	upon	by	the	proponent	Complied	
	should be i	impleme	ented							

Compliance:

The project proponent has carrying out many activities for social integration nd community development. The activities under Corporate Social Responsibility (CSR) activities are executed in the sector of Health, Housing. The details are given below in **Table No.4**. The receipts of CSR activities are provided in **Annexure No.6**. The

Compliance Report

project is intending to implement more sustainable project in the community in association and consultation with the Local Self Government and community Based Organization (CBOs).

Table 4 - Details of performed activities under CSR

Date	Activities	Date Activities Sector	
			spent in
			Rs.
29-05-2020	Covid Relief - Geetha Jayaraj, Panchayath	Covid	14,000.00
	Member		
03-06-2020	Chief Minister's Relief Fund - Axis Bank	Covid	1,00,000.00
09-06-2020	Covid Relief - Donation paid for Mask at	Covid	10,000.00
	Health		
09-06-2020	Donation - Lissy's mother	Charitable	5,000.00
09-06-2020	Covid Relief - Babu K M & Kamala	Covid	5,000.00
09-06-2020	Covid Relief - Rice & Vegetable supplied to	Covid	11,824.00
	24th Colany and Elapeedika		
27-06-2020	Donation - Shaji	Donation	5,000.00
09-07-2020	Medical Donation - Thomas	Medical	10,000.00
10-07-2020	Medical Donation - Kunjappan	Medical	200.00
22-07-2020	Flood Relief - Rexine to Kanichar Grama	Flood Relief	5,775.00
	Panchayath		
22-07-2020	Flood Relief - 50 Nos of Bed to Kanichar	Flood Relief	24,152.54
	Grama Panchayath		
22-07-2020	Flood Relief - Bed and Pillow to Kanichar	Flood Relief	3,500.00
	Panchayath		
22-07-2020	Donation - Saradha	Donation	2,000.00
01-08-2020	Donation paid by George	Charitable	400.00
03-08-2020	Covid Relief - Biriyani Chalange to	Covid	2,130.00
	Santhosh		
26-08-2020	Medical Donation - Kunjappa	Medical	150.00

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26-08-2020	Netaji Nanma Sahaya Vedi Charitable Trust - Paid to Bharathan	Charitable	1,000.00
29-08-2020	Medical Donation - Kamala	Medical	2,000.00
05-09-2020	Covid Relief - Rice & Food items supplied at Elapeedika, Nedumpoil	Covid	4,689.00
05-09-2020	Donation - Chandu Chekkeri	Charitable	500.00
21-09-2020	Medical Donation - Kunjappan	Medical	150.00
24-09-2020	Medical Donation - Shaji	Medical	500.00
25-09-2020	Medical Donation - Nirmal Charittable Trust, Mammooty	Charitable	2,000.00
29-09-2020	Medical Donation - Kunjappan	Medical	100.00
29-09-2020	Medical Donation - Sivadasan	Medical	2,000.00
		TOTAL	2,12,070.54

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

Compliance

To prevent falling of animals/human being/dumping of garbage etc, the project proponent has erected barbed metal wire fencing around the mining area with height of 5 ft. This will help to prevent falling of animals/human being/dumping of garbage etc. The proponent is intending to install metal wire fencing around the lease area where ever it is missing. The purchase bill of materials is given in **Annexure No.7.** The photograph of barbed metal wire fencing is provided in **Plate No. 6.**

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

Compliance Report

Compliance:

As per the stipulation of Explosive department, the project proponent has installed warning alarms in the quarry site. This warning alarm is properly working prior to the blasting time. The blasting time of the quarry is in between 10.30 am to 11.55 am and 3.30 pm to 5.00 pm on all working days. The photograph showing the warning alarm fixed in the project area and sign board is provided in **Plate No. 7.**

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

Compliance:

To contain dust emissions, the project proponent has concreted the access road meters to the quarry site. The project proponent is spraying water on the road to arrest the dust production during summer season. The photograph of concreted road is provided in **Plate No. 8.**

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

Compliance:

The overburden materials are stored within the project site. This will be used to restore the exploited and low laying area in future. Some portion of the overburden was used to construct haulage road and land filling in the project area. The photographs showing overburden and top soil is managing within the site is attached at **Plate No.9**.

12	Height of benches should not exceed 5m and width should not be	complied
	less than 5m.	

Compliance:

The quarrying activity in the project site is progressing by creating benches of 5m width and 5m height. The copies of certificates of qualified persons are provided in **Annexure No. 8.**

Compliance Report

1	13	Mats to reduce fly rock blast to a maximum of 15 PPV should be Not	ed	
		provided.		

Compliance:

The project proponent is yet to use mats during the time of blasting. The project proponent is using ordinary delayed detonator for blasting therefore there is no issue with fly rock in the community and the project proponent is also assure the maximum PPV is under 10. The relevant details of assessment of the blasting operation are provided as **Annexure No.9.** Therefore the mates to reduce fly rock are yet to use in the industry.

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

Compliance:

The instruction regarding to this has given to the mines manager. To ensure this, the project proponent has given instruction to the qualified persons. All activities of these qualified persons will be under the supervision and monitoring of Environment Monitoring Cell (EMC). Mining depth will not exceed beyond 40 meter or not below the level of the nearest stream bed, whichever is less.

15	Acoustic enclosures should have been provided to reduce sound	Complied
	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.	

Compliance:

The project proponent has been developing a thick vegetative cover around the crusher unit by planting various saplings. To reduce the impact of sound to the labours in the unit, the project has provided ear plugs. Vegetation around the mining area will help to reduce noise and air pollution. This helps the noise level kept within prescribed standards. The monitoring of ambient sound level was conducted by a NABEL

Compliance Report

accredited laboratory and the result is provided as **Annexure No.1**. The photograph of the crusher unit is attached as **Plate No. 11**.

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.		

Compliance:

Assurance in the form of affidavit was already submitted to SEIAA Kerala after getting the Environmental Clearance. Eco restoration in the mining plan and mine closure plan will be done the own cost of the project proponent

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

Compliance:

The proponent is very conscious to prevent all quarry waste to enter in the the public drainage or stream. The project proponent has constructed storm water drains in the lower slopes of the project area for effective management of storm water. This helps to channelize the storm water to the rain water collection pond and the most of the debris will be settled down in the bottom of the pond. The clarifiers will be installed soon. The photograph of Garland drain is given in **Plate No.12.**

1	8	Debris/ silt traps to be provided to prevent entry of dust and quarry	Complied
		wastes entering the main streams.	

Compliance:

De- siltation of surface runoff is an important mitigates 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 sediments will settle down at the bottom of pond and only clear water is letting out. This arrangement will prevent the entry of dust and quarry waste entering in to the mainstreams. At present the project proponent catch all rainwater and no water

Compliance Report

permits to letting out from the own land of the project. The photograph showing the rain water collection pond in the project area given in **Plate No. 2**

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

Compliance:

The certificates obtained from concerned statutory authorities are enclosed in **Annexure No. 10, 11, 12, 13 & 14**. The details of statutory approvals are given below in the table.

Table 5 - The details of statutory approvals

Name of the Statutory approval	Name of the Statutory authority	Approval Number & Date
Environmental	State Environmental Impact	43/SEIAA/KL/7163/2012
Clearance order	Assessment Authority, Kerala	Dated: 15-03-2013
"Consent to Operate"	Kerala State Pollution Control	File No : 314932
	Board	dated 24/11/2014
Explosive License	Ministry of Commerce & Industry	E/SC/KL/22/810(E38008)
	- Petroleum & Explosives Safety	Dated: 17-01-2020
	Organization (PESO)	
License for quarry	Kanichar Gram Panchayat	162/2019-20
operations		14-05-2020
Lease order	Directorate of Mining and	184/2014-15/11610/M3/2013
	Geology	Dated; 20-06-2014

2	20	In case of any change(s) in the scope of the project, the project would	Noted
		require a fresh appraisal by this authority	

Compliance:

In case of any change(s) in the scope of the project, the proponent will apply for fresh appraisal to get the Environmental Clearance.

Compliance Report

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.

Compliance:

The project proponent is willing to add additional safe guard measures subsequently if the authority found necessary.

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.

Compliance:

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

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

23	The project proponent should advertise in at least two local	Complied					
	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						
	area 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.						

Compliance:

An advertisement in two local newspapers regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.15.** The details are given below in the table.

Table No.6 - Details of news paper where advertisement published

News paper	Language	Date
Desabhimani	Malayalam	16/04/ 2013
Indian Express	English	14/04/2013

24	A copy of the clearance letter shall be sent by the proponent to	Complied
	concerned Grama 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.	

Compliance:

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore did not give the copy of clearance latter to anyone. At present the project does not have a website this will be created soon. The acknowledgement received from the Panchayat office is attached in **Annexure 16.**

Compliance Report

25	The proponent shall submit six monthly reports on the status of	complied		
	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			

Compliance:

The project proponent is regularly submitting the compliance report to the competent authorities. The compliance report of second half is being submitted to the Directorate of Environment and Climate Change, Govt. of Kerala and the Regional Office of MoEF&CC, Govt. of India with the results of monitored data as mail. The result of monitored data is provided in **Annexure No. 1, 2 and 3.**

Ī	26	The conditions of the environmental clearance should be prominently	Complied
		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.	

Compliance:

As per the stipulation provided in Environmental Clearance order, the details of the Environmental Clearance are displayed on metallic board in the project site. The metallic board as specified in the conditions of Environmental Clearance order. The photograph showing the sign board with specific conditions is provided in **Plate No. 10.**

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

Compliance:

An assurance in the form of affidavit was already submitted to SEIAA Kerala. The copy of submitted affidavit is attached as **Annexure No.17** for ready reference.

M/S New Bharat Stone Crusher & Hollow Bricks Industries
Compliance Report

Plate No. 1



The area where HT line is passing Plate No. 2



Rain water Collection pond - I



Rain water collection pond – II

Plate No. 3



Vegetation along the road side

Plate No. 4



Solar panel installed in project site



Solar Street Light





Sprinklers installed in the project area

Plate No. 6

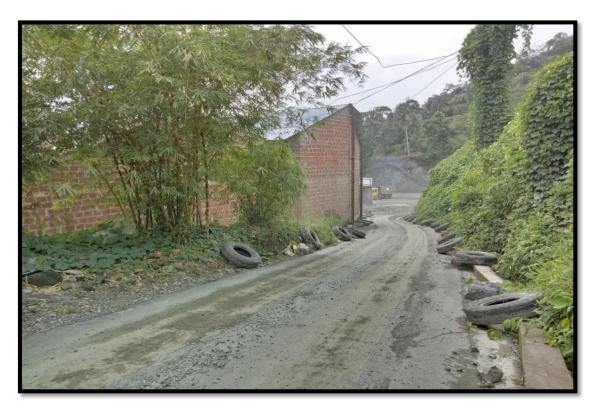


Barbed metal wire fencing around the mining area Plate No. 7



Warning alarm installed in the project site

Plate No. 8



Access road to the quarry



Top soil stacked in project site



Displayed the details of EC order on metallic board Plate No. 11



Compliance Report

Crusher in the project land



Garland drains for storm water management

M/S New Bharat Stone Crusher & Hollow Bricks Industries **Compliance Report**

Annexure No. 1



TEST REPORT

Test Repo	THIS: 202000 MRODERING	Date: 20.06.2020	Page 1 of 1

	CU	JSTOMI	ER DETAILS		
Customer Details	Name & Address N		/s New Bharath Stone Crusher & Hollow Bricks Industries edumpoyil, Poolakutty, annur District		
	Survey No	14	411		
	Village	Kanichar			
. O. C.	Panchayath	Ka	anichar		
Location Of Site	Taluk	Iri	itty (Old – Thalassery)		
	District	Ka	annur		
	State	Ke	erala		
Customer Reference			·		
		SAMPLI	E DETAILS		
Source of Sample			Ambient Sound Level		
Sample Code			20200616/S026		
Location of Monitoring			Near West side boundary		
Date of Monitoring			16.06.2020		

DAYTIME	RESULT	NIGHTTIME	RE	SULT
06.00 Hrs	37.4 dB (A)	23.00 Hrs	34.8	3 dB (A)
07.00 Hrs	40.1 dB (A)	00.00 Hrs	37.3	3 dB (A)
08.00 Hrs	44.4 dB (A)	01.00 Hrs	38.1	l dB (A)
09.00 Hrs	47.9 dB (A)	02.00 Hrs	37.7	7 dB (A)
10.00 Hrs	50.2 dB (A)	03.00 Hrs	38.4	4 dB (A)
11.00 Hrs	53.3 dB (A)	04.00 Hrs	37.3 dB (A)	
12.00 Hrs	50.6 dB (A)	05.00 Hrs	Hrs 39.1 dB (A)	
13.00 Hrs	49.8 dB (A)	RESULTS		
14.00 Hrs	50.2 dB (A)	RESC	JLIS	
15.00 Hrs	50.6 dB (A)			
16.00 Hrs	51.7 dB (A)	Noise Level (Leq) Daytime		48.7 dB (A)
17.00 Hrs	52.1 dB (A)	Noise Level (Leq) Daytime		40.7 db (A)
18.00 Hrs	46.7 dB (A)			
19.00 Hrs	43.2 dB (A)	Noise Level (Leq) Nighttime 37.6 dB (A)		
20.00 Hrs	39.4 dB (A)			37.6 dB (A)
21.00 Hrs	38.9 dB (A)			37.0 db (A)
22.00 Hrs	36.3 dB (A)			

End of Report

For and on behalf of

Standards Environmental & Analytical Laboratories

Authorized Signatory Laiju P. N. Laboratory Head

Standard^S Environmental & Analytical Laboratories
Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board. K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43 Web: www.sealabs.in, E-mail: seaalab@gmail.com

Test result of Ambient Noise Level

Annexure No. 2



TEST REPORT

п			
-	Test Report No: 20200616/R025	Date: 20.06.2020	Page 1 of 1

	CUST	OME	R DETAILS				
		M/s New Bharath Stone Crusher & Hollow Bricks Industrie					
Customer Details	Name & Address	Ned	umpoyil, Poolakutty,				
		Kan	nur District				
	Survey No	141	1				
	Village	lage Kanichar					
Location Of Site	Panchayath Kan		ichar				
bocation of Site	Taluk Iritty		y (Old – Thalassery)				
	District	Kan	nur				
	State	Kera	ala				
Customer Reference							
	SAN	MPLE I	DETAILS				
Source of Sample	Ambient Air		Sample Code	20200616/S025			
Location of Monitoring	Near West side Bound	dary	Sampled By	Laboratory			
Date of Monitoring	16.06.2020		Test Started On	17.06.2020			
Sample Received On	17.06.2020		Test Completed On	20.06.2020			
Humidity	80 %		Sampling Procedure	IS 5182 Part V & XIV			

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULT	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23 : 2006 RA 2012	μg/m³	39.1	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50	μg/m³	20.3	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2 : 2001 RA 2012	μg/m³	< 2.00	80.0
04	Oxides of Nitrogen (NO ₂)	IS 5182 Part 6 : 2006 RA 2012	μg/m³	< 2.00	80.0

End of Report

For and on behalf of Standards Environmental & Analytical Laboratories

Authorized Signatory

Laiju P. N. Laboratory Head



Standard^S Environmental & Analytical Laboratories
Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com

Test result of ambient Air

Annexure No. 3



Sampled On

Sampled By

TEST REPORT

Test Report No: 20200616/R	2027		Date: 20.06.2020 Page 1 of 1				
	CUST		DETAILS				
Customer Details Name & Address			M/s New Bharath Stone Crusher & Hollow Bricks Industries Nedumpoyil, Poolakutty, Kannur District				
	Survey No	1411					
	Village Kar		anichar				
	Panchayath Ka		anichar				
Location Of Site	Taluk	Iritt	itty (Old – Thalassery)				
	District	Kan	annur				
	State	Ker	erala				
Customer Reference	•						
	SAI	MPLE D	DETAILS				
Sample Code	20200616/S027		Sample Received On	06.2020			
Sample Name	Water		Sampling Procedure				
Sample Description	Open Well		Sampling Location				
Identification By Customer			Sample Condition	Goo	od		

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	0.20	1.00 (Max)
04	рН	IS 3025 Part 11:1983 RA 2017		6.94	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2013	μS/cm	101	
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	65.0	500 (Max)
07	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2014	mg/L	32.0	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2014	mg/L	8.00	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2014	mg/L	2.92	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	14.1	250 (Max)
11	Total Alkalinity (as CaCO ₃)	IS 3025 Part 23:1986 RA 2014	mg/L	12.1	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	0.15	1.00 (Max)
13	Sulphate (SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	1.67	200 (Max)
14	Total Coliform Bacteria	IS 15185 : 2016		Absent/100 ml	Absent/100 ml
15	E coli	IS 15185 : 2016		Absent/100 ml	Absent/100 ml

Customer

Test Started On

Test Completed On

***End of Report**

For and on behalf of

Standards Environmental & Analytical Laboratories

17.06.2020

20.06.2020

Laiju P. N.

Laboratory Head

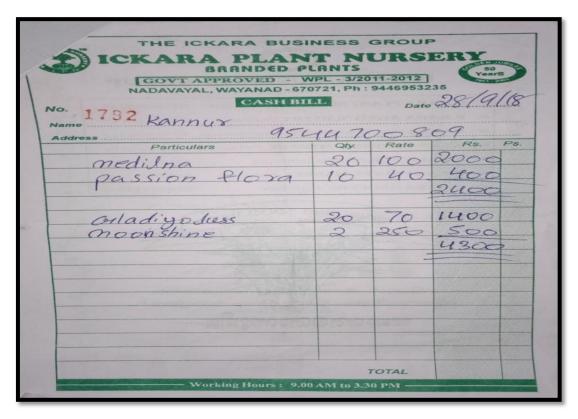
Standard^S Environmental & Analytical Laboratories

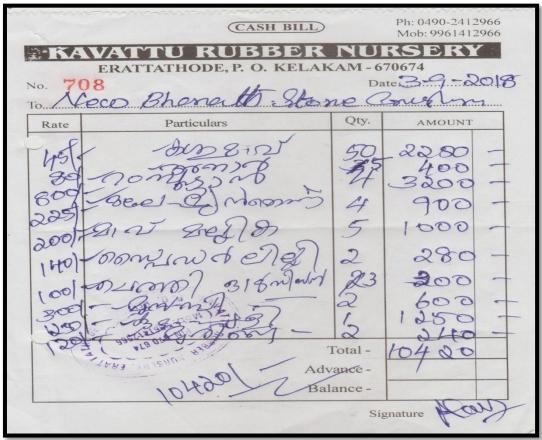
Approval & Recognition: "A" Grade Laboratory approved by Kerala State Pollution Control Board.

K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43

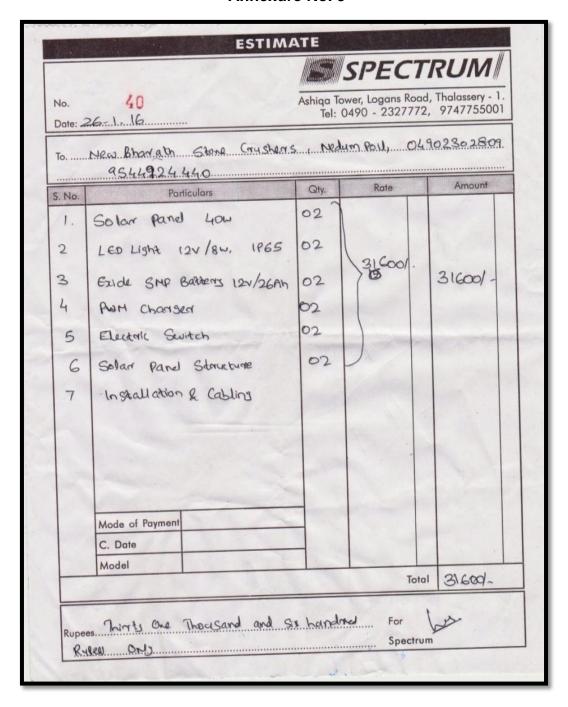
Web: www.sealabs.in, E-mail: seaalab@gmail.com

Test result of water



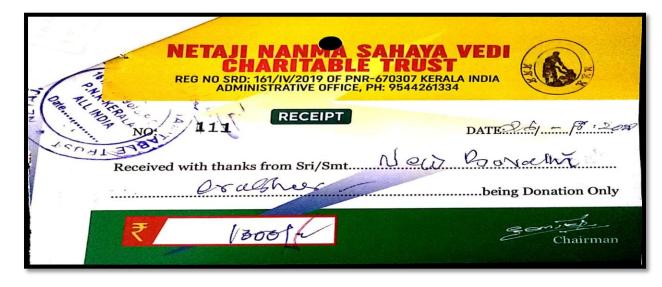


Copy of bill from Nursery



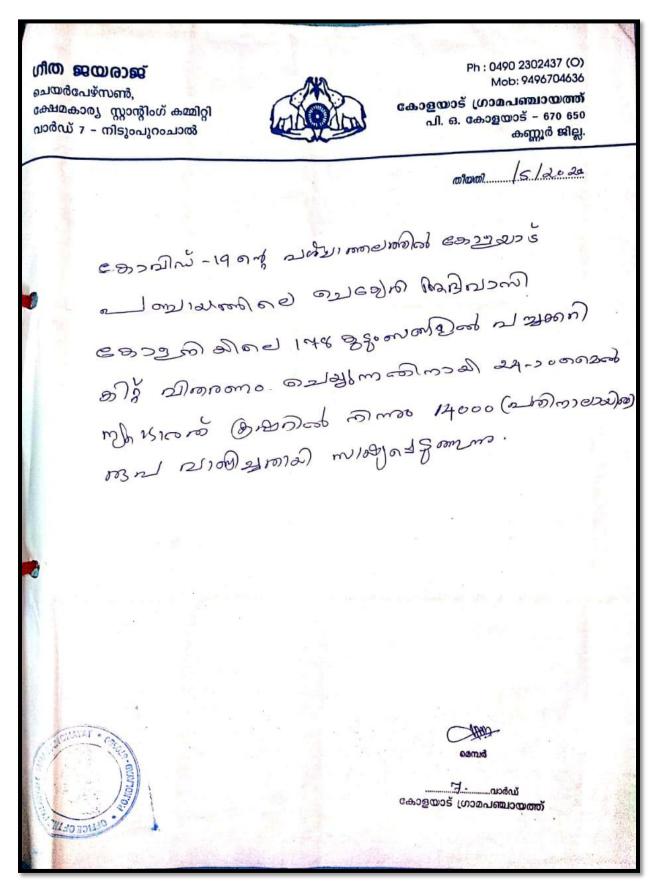
Copy of the bill of solar lights

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Copy of the receipts of CSR activities

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	Description of Goods	HSN/SAC Code	Qty.	Unit	Price	CGST Rate	CGST	SGST	SGST	Amount(₹
1.	BARBED WIRE	7313	1,670.00	Kgs.	88.98	9.00 %	13,374.15	9.00 %	13,374.15	1,75,350.0
					Add : Labour					(
		Grand Total	1,670.0			3			₹	1,75,350
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Ph: 9846333335 9745999432

GRAND FENCING WORKS

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To New Bharath Crushers Nedungar

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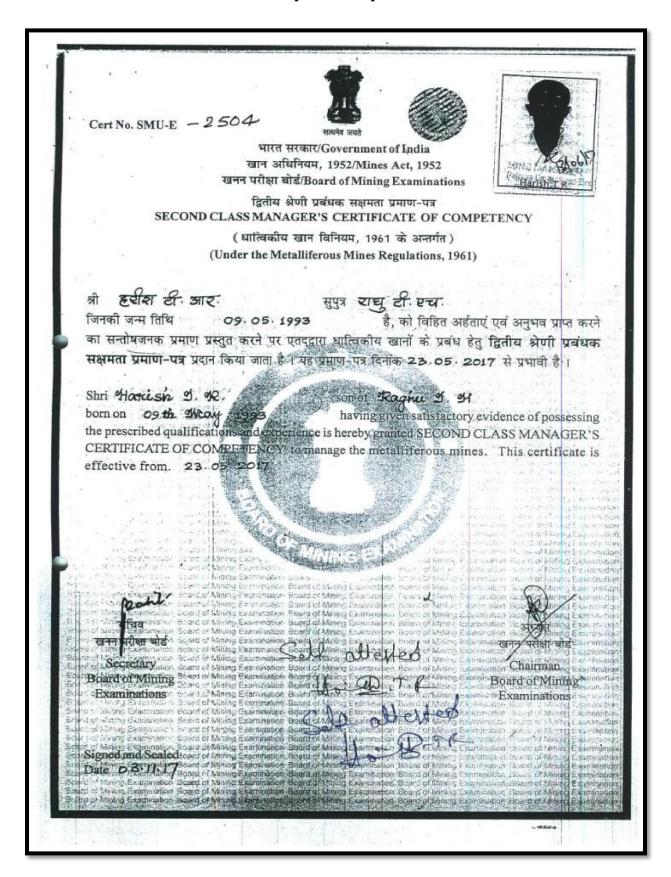
Receipt of fencing work



Certificate of Mining Mate

	GOVTRNMENT OF INDIA
	DIR WOLCH AND GRANDAL OF MINES SAFTIN 21/8/95
	No. Rxam-/ Mxerpt/FM/R/ 1/03/- 135 Dated:
	To, many and the
	Shri Y . Sadhu . No.156 Kennedy's , 4th Lene .OOrgaum.
	Po. K.G.E 563120.
	M 3 M O R A N D U M
	Ref.: His application dated 1.7.95.
	By virtue of Vovernment Notification No. 712(E) dated 13.12.'74
	Shri Y. Sadhu. S/O Sri Yesupatham.
	of Village Kennedys Thana OOrgaum.
	District OOrgaum. State Karnataka.
	Born on 14.12.1965. (ferteenth December Sixty five.)
	possessing a Diploma in Mining Angineering and Mine Surveying approved
	under Regulations 18 of Metalliferous Mines Regulations 1961, and on
	completion of proscribed on rience has become eligible to work in a
	capacity requiring possession of Foreman's Certificate Restricted to
	Mines having open cast workings only under Metalliferous Mines Regu-
	lations 1961 with effect from 12.6.95. till the above notifica-
	tion remains in force and he has been medically examined and decla-
	red fit as provided under Regulations 30(1)(a) of Metalliferous Mines
	Regulations 1961.
	GARAN -
	\$9+0 1-8-95 Secretary
	Board of Mining Examinations &
	Incl: Director of Mines Safety(Exam) 1. Matriculation Cert.
	2. First Aid Certificate.
	1 N 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	4. Diploma Marksheet Director of Mines Safety, Chemas Region.
	6.
	A Contraction
	34-07-3018 123113 April 18/10.
5	rector of Mines Safety, Chennal Region Director of Mines Safety, Bellary.

Certificate of Foreman



Mines Manager Certificate

Annexure No. 9

(Prof. V.R. Sastry, NITK-Surathkal (Govt. of India)

- Temples, Schools, Hospitals/Dispensaries, and other sensitive structures in nearby villages may be assigned with the least Threshold ground vibration limit (PPV) of 2mm/s as per DGMS norms.
- Ground vibrations levels were monitored simultaneously at different distances from blast site and at some houses, using 2 Microprocessor based Blast Vibration Monitors, Minimate Plus, Instantel, Canada.
- Instruments were set up along the progress line of the blasts, to a large extent wherever possible. One instrument was always kept near the Houses.
- Summary of ground vibrations recorded from all the blasts studied are given below.

SI. No.	No. of Blastholes	Depth of Holes (m)	Explosive/ Hole (kg)	Total Explosive / Blast (kg)	Distance (m)	PPV (mm/s)	Remarks
		(***)	100		50	20.57	
1	10	2.4	0.625	6.25	70	2.667	Safe
,					60	3.816	Safe
2	10	2.4	0.625	6.25	80	5.017	Safe
-	10				70	1.016	Very Safe
3	15	1.5	0.375	5.625	100	0.635	Insignificant
)	13	1.0			70	4.953	Safe
4	25	2.4	0.625	15.625	100	< 0.51	Insignificant
4	43	2.7	0.020		90	0.508	Insignificant
5	20	1.5	0.375	7.5	500	< 0.51	Insignificant
)	20	1.5	0.570		80	1.397	Very Safe
6	25	2.4	0.625	15.625	500	< 0.51	Insignificant
WE TO SE	D. P. L. STEEL		The street of th		90	1.27	Very Safe
7	25	1.5	0.375	9.375	250	<0.51	Insignificant
					80	8.255	
8	30	2.4	0.625	18.75	250	< 0.51	Insignificant
	AL BERT	Testioned	Televilleria.	SERVICE NO	100	1.524	Very Safe
9	40	1.5	0.375	15.0	500	<0.51	Insignificant

• In general, the PPV levels reduced considerably from 100m distance onwards from the blast site.

DT. V.R.C. STRYI
PROFESSOR
DEPT. OF MINING ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL.
(GOVT. OF INDIA)
MANGALORE - 575 025

37

Details on Vibration – Assessment of blasting Operations

Annexure No. 10



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

SEIAA Kerala - Proposed quarry project in Survey No. 1411 at Kanichar Village, Kanichar Panchayath, Thalassery Taluk, Kannur District, Kerala by M/s New Bharat Stone Crusher & Hollow Bricks Industries - Environmental Clearance under EIA Notification 2006 accorded Orders issued

Environmental Clearance

No. 43/SEIAA/KL/7163/2012

dated, Thiruvananthapuram 15-03-2013

ORDER

The Partner of M/s New Bharat Stone Crusher & Hollow Bricks Industries, vide their application received on 15-11-2012, has sought environmental clearance under the EIA Notification, 2006 for the quarry project at Kanichar Village, Kanichar Panchayath, Thalassery Taluk, Kannur 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 11°51' N and 75°45' E. The proposed project is for quarrying of 2,40,000 TPA of building granite stone from an area of 3.9076 hectare (39059.27 m²) of land. The expected life of mine will be 14 years. The proposed project activity involves about 70% 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 225-65 m RL in conceptual phase. A total quantity of 6538 m³ of top soil from two pits will be removed during the mining operations. 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 1.25 KLD generated from the mine office will be diverted to the septic tank followed by soak pit. The daily water requirement of 5.5 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 and avoiding overloading of vehicles. The mineral produced from the proposed mine will be sent to the crusher plant located at around 400 m from the quarry project for crushing it to the required size before dispatching it to end use.

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-

Page 1 of 4

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. A buffer distance of at least 100 m from the quarry to the main road should be maintained.
- 2. The required distance from the HT line to be maintained as prescribed by KSEB.
- 3. Depth of mining should not exceed 35 m below ground level as given 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. Abin Issac, Partner, M/s New Bharat Stone Crusher & Hollow Bricks Industries, 24th Mile, Nedumpoyil, Poolakkutty P.O., Kannur, Kerala; Telephone No: 0485-2302809; Mobile No: 09447580355; E mail: nbscrusher@yahoo.in

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

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

Mr. Abin Issac, Partner M/s New Bharat Stone Crusher & Hollow Bricks Industries 24th Mile, Nedumpoyil Poolakkutty P.O., Kannur, Kerala.

Copy to:

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

Page 2 of 4

Annexure

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA **GENERAL CONDITIONS (for mining projects)**

- (i) Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- 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.
- (iv) The project shall incorporate devices for solar energy generation and utilization wherever possible.
- (v) Sprinklers shall be installed and used in the project site to contain dust emissions.
- (vi) The eco-restoration plan submitted with the proposal should be fully implemented.
- Corporate Social Responsibility agreed upon by the proponent should be implemented. (vii)
- (viii) Barbed metal wire fencing around the mining area shall be provided with a height of not less than 5 ft so that falling of animals/human/belongings/dumping of garbages etc. does not happen.
- Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as (ix) per stipulations of Explosive Department.
 - Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
- Overburden materials should be managed within the site and the old quarries, if any, should be (xi) reclaimed and restored.
- (xii) Height of benches should not exceed 5 m and width should not be less than 5 m.
- (xiii) Mats to reduce fly rock blast to a maximum of 15 PPV should be provided.
- (xiv) Mining depth should not exceed beyond 40 m, unless otherwise specified or not below the level of nearest stream bed, whichever is less.
- (xv) Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB.
- Assurance in the form of affidavit should be given to SEIAA that eco-restoration including the mine (xvi) closure plan shall be done at the own cost of the project proponent.
- Garland drains to be provided in the lower slopes around the core area to channelize storm water. (xvii)
- (xviii) Debris/ silt traps to be provided to prevent entry of dust and quarry wastes entering the main streams.

Page 3 of 4

- (xix) All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by (xx) this Authority.
- The Authority reserves the right to add additional safeguard measures subsequently, if found (xxi) 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.
- The stipulations by Statutory Authorities under different Acts and Notifications should be complied (xxii) 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.
- (xxiii) 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.
- A copy of the clearance letter shall be sent by the proponent to concerned Grama 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.
- The proponent shall submit six monthly reports on the status of compliance of the stipulated EC (xxv) conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xxvi) The conditions of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than
- (xxvii) The proponent should provide affidavit that all the conditions stipulated in the EC shall be scrupulously followed.

Member Secretary, SEIAA Kerala

Page 4 of 4

Copy of EC order

Annexure No. 11





KERALA STATE POLLUTION CONTROL BOARD

FILE NO.: PCB/KNR/ICE/967/2010

Date of issue :22/09/2017

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No: PCB/KNR/ICO-R/844/2017

Ref: Consent file number 314932 dated 24/11/2014

The 'Integrated Consent to Operate' issued as per reference above to M/s NEW BHARATH STONE CRUSHER & HOLLOW BRICK INDUSTRIES, 24TH MILE, NIDUMPOYIL, POOLAKUTTY.P.O., KANNUR DT is hereby renewed up to 30/10/2020 and issued to M/s NEW BHARATH STONE CRUSHER & HOLLOW BRICK INDUSTRIES, 24TH MILE, NIDUMPOYIL, POOLAKUTTY.P.O., KANNUR DT 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	30/10/2020
2	ANNUAL FEE(RS)	12000/-
3	TOTAL FEE REMITTED(RS)	36000/-

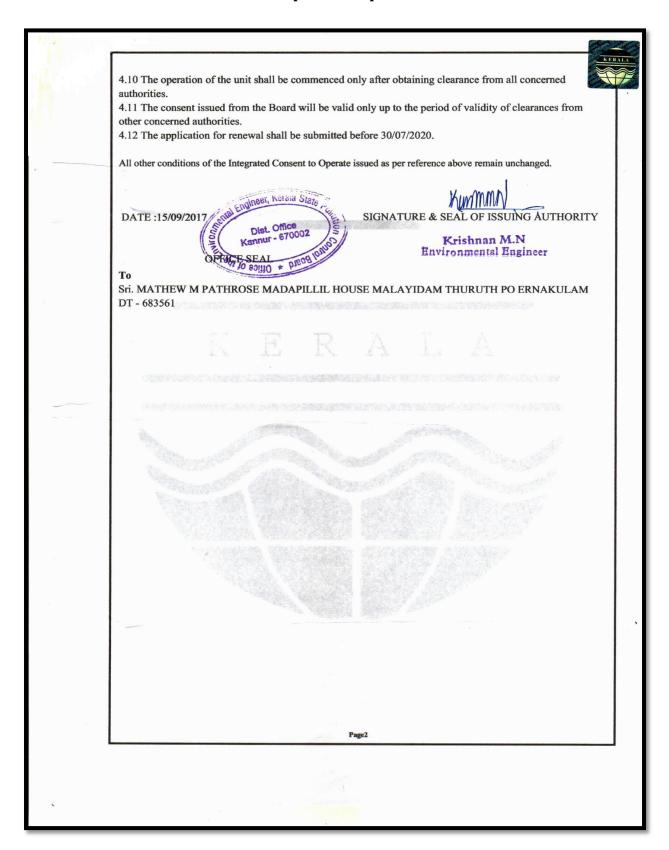
II. Stack Details

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

III. CONDITIONS

- 2.2 Deleted.
- 3.2 Deleted.
- 3.3 Deleted.
- 3.6 The PM 2.5 in ambient air at the boundary shall not exceed 60 micro gram/cubic metre.
- 4.8 Location of the quarry shall be as per the drawing attached. No change or alteration to the above shall be made.

Page1



Copy of consent to operate from SPCB



KERALA STATE POLLUTION CONTROL BOARD

FILE NO.: PCB/KNR/ICE/967/2010

Date of issue :2019-10-03

CONSENT VARIATION ORDER

Consent No: PCB/KNR/ICO-R/844/2017

Ref: 1. Consent file No: 314932 dated 24/11/2014

2. Consent file No:PCB/KNR/ICO-R/844/2017 dated 22/09/2017

The 'Integrated Consent to Operate' issued as per reference above to M/s NEW BHARATH STONE CRUSHER & HOLLOW BRICK INDUSTRIES, 24TH MILE, NIDUMPOYII,, POOLAKUITY.P.O., KANNUR is hereby modified & issued to M/s NEW BHARATH STONE CRUSHER AND HOLLOW BRICKS INDUSTRIES,24th MILE, NEDUMPOYIL, POOLAKUTTY PO, KANNUR DT - 670650 The consent(s)/ variation order(s) cited under reference are integral part of this consent variation order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	PRODUCTS	QUARRYING OF ROCK OF 3.8395 HECTOR IN SURVEY No.1411, KANICHAR VILLAGE
2	OCCUPIER DETAILS	BENNY PATHROSE MADAPPALLIL HOUSE MALAYIDOMTHURUTHU PO EDATHALA ERNAKULAM DIST PIN 683561
3	CATEGORY	RED
4	TOTAL FEE REMITTED	1800/-
5	ANNUAL FEE	18000/-
6	VALIDITY	30/10/2020

II. CONDITIONS

5.2 Application for the renewal shall be submitted before 30/08/2020.

Page1

M/S New Bharat Stone Crusher & Hollow Bricks Industries

Compliance Report

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

ANITA KOYAN Digitally signed by ANITA KOYAN Date: 2019.10.26 11:00:48

+05'30'

DATE :03/10/2019 SIGNATURE & SEAL OF ISSUING AUTHORITY ENVIRONMENTAL ENGINEER

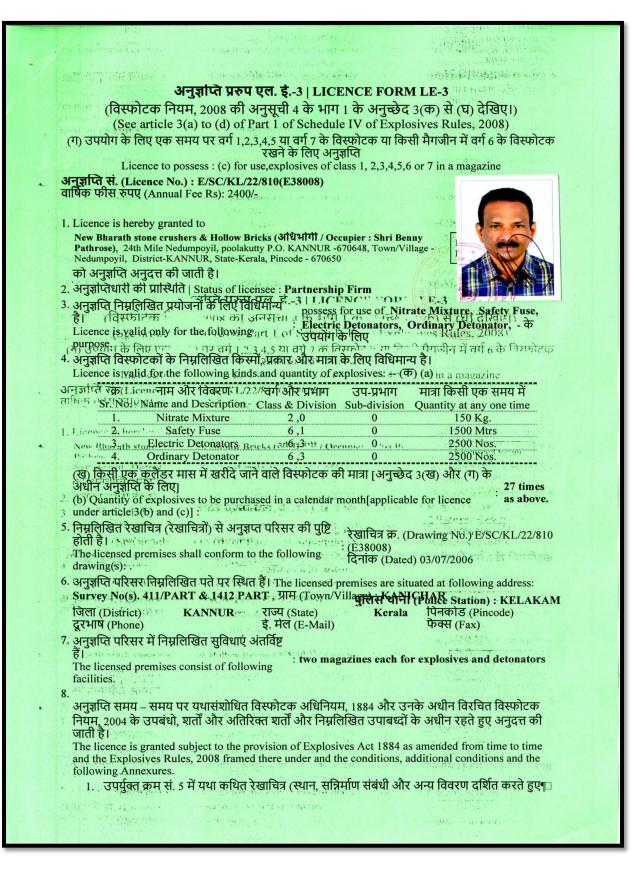


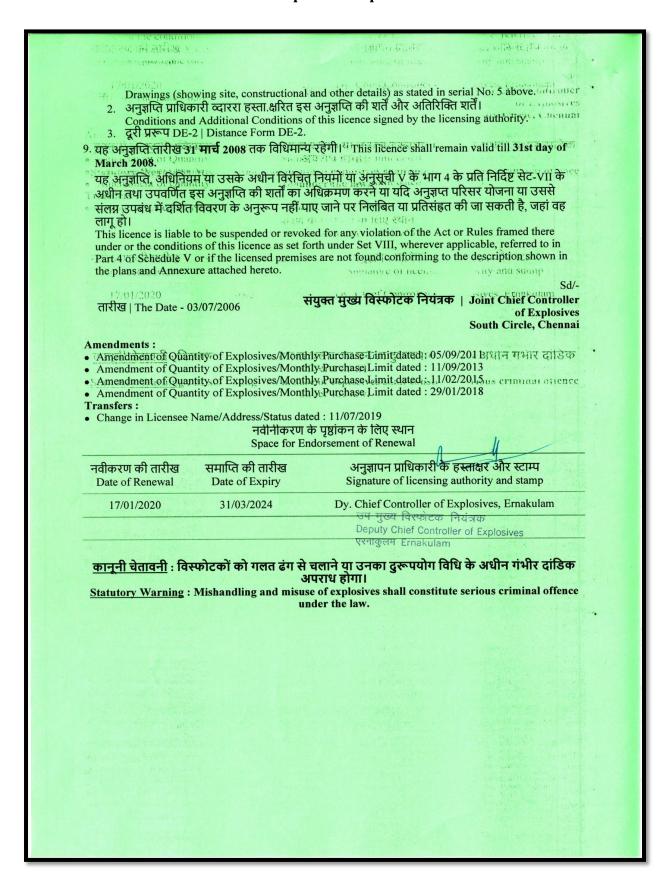
ToBENNY PATHROSE MADAPPALLIL HOUSE MALAYIDOMTHURUTHU PO EDATHALA
ERNAKULAM DIST PIN 683561

- 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.

Page2

Copy of consent to operate from SPCB





Copy of Explosive license

Annexure No. 13

ലൈസൻസ് നമ്പർ 162/2019-20 തീയതി 14.05.2020 പഞ്ചായത്തിൽ നിന്നും 1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232,233.234,254 എന്നീ വകപ്പുകളും അനുബന്ധ ചട്ടങ്ങളും പ്രകാരമുള്ള വ്യവസായങ്ങൾക്കും സംരഭക പ്രവർത്തനങ്ങൾക്കും മറ്റ് സേവനങ്ങൾക്കും ലൈസൻസ് നൽകൽ) ഡി & ഒ ലൈസൻസ് കണിച്ചാർ ഗ്രാമ പഞ്ചായത്ത് ലൈസൻസിയുടെ പേരും ശ്രീ. ബെന്നി പത്രോസ് s/o എം.എം. പത്രോസ് മേൽവിലാസവും പാർട്ണർ, ന്യൂ ഭാരത് സ്റ്റോൺ ക്രഷർ ആന്റ് ഹോളോ ബ്രിക്സ് ഇൻഡസ്ട്രീസ് 24ാംമൈൽ നെടുംപൊയിൽ പൂളക്കുറ്റി പി.ഒ പിൻ 670648 സ്ഥാപനത്തിന്റെ പേരും ന്യൂ ഭാരത് സ്റ്റോൺ ക്രഷർ ആന്റ് ഹോളോ ബ്രിക്സ് ഇൻഡസ്ട്രീസ് സ്ഥലനാമവും 24ാംമൈൽ നെടുംപൊയിൽ പൂളക്കുറ്റി പി.ഒ ലൈസൻസ് നൽകിയിട്ടുളള കരിങ്കൽ ക്വാറി നടത്തുന്നതിന് പ്രവർത്തനങ്ങൾ കെട്ടിടത്തിന്റെ നമ്പരും സർവ്വേ നമ്പർ 1411 (KP IX 65C) വാർഡു നമ്പരും ലൈസൻസ് കാലയളവ് 01.04.2020 മുതൽ 31.03.2021 വരെ <u>ഗൗടാക്കിയ ലൈസൻസ് ഫീസ്</u> 5000/- 119020103004,120020100003 നമ്പർ രശിതികൾ പ്രകാരം ലൈസൻസ് അനുവദിക്കുന്നതിനായി 1.സാനിറ്ററി സർട്ടിഫി_്െറ്റ് തീയ്യതി നം36/2020 6/5/2020 2. മലിനീകരണ നിയ*്ര*ാണബോർഡിൽ നിന്നുള്ള ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ-നമ്പർ, തീയതി, കാലയളവ് സാക്ഷ്യപത്രം No.I CB/KNR/ICE/967/2010 Valid up to 30.10.2020 3. Quarrying Lease from Government of Kerala mo . 11610/M3/2013 dt 20.06.2014 4. Certificate from Dy. Chief Controller of Explosieves, Ernakulam No.E/SE/KI/22/111(E96164) Valid up to 31.03.2024 5. മൈനിംഗ് ആൻഡ് ജിയോളജി വകുപ്പിൽ നിനുള്ള അനുമതി No.172/2019þ20/11616/M3/2013/DMG Valid up to 26.06.2024 6. Permission from State Enviornment Impact assessment Authority Kannur Vai. to 15.03.2027 പാറ പൊട്ടിക്കുന്ന ആളൂ > വൈദഗ്ദ്ധ്യാ സംബന്ധിച്ച സർട്ടിഫിക്കറ്റ് കാലാവധി തീരുന്ന മുറക്ക് ആയവ പുതുക്കി ഈ ലൈസൻസിന്റെ കാലാവസ്റ്റ് ത്യൂടക്ഷേപ നിരാക്ഷേപ ട്രസാക്ഷ്യപത്രങ്ങളുടെ ഹാജരാക്കേണ്ടതാണ്. അല്ലാത്തപക്ഷം ഈ സാക്ഷ്യപ്ത്രങ്ങളുടെ കാലാവധി തീരുന്ന മുറക്ക് അവസാനിക്കുന്നതാണ്.

Copy of license form Gram Panchayat

Annexure No. 14

PROCEEDINGS OF THE DIRECTOR OF MINING AND GEOLOGY

Sub: Mines and Minerals-Minor Minerals-Granite Building Stone Quarrying lease to M/s. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyil, Poolakutty Post, Kannur - 670 650 sanction- orders issued.

Ref : 1. Application dated 9.10.13 from M/s. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyil, Poolakutty Post, Kannur - 670 650

2. Letters No. DOC/M-3481/2013 dtd. 19.11.2013 & 18.5.2014 from the Geologist, District Office, Kannur

Keraja Minor Mineral Concession Rules, 1967

8 Order No.43/SEIAA/KL/7163//2012 dt. 15.3.2013 of the Member Secretary. SEIAA & Principal Secretary to Government, Environment Department, Typm

No. 184/2014-15/11810/M3/2013

Dated, Tvpm., 20.6.2014

ORDER

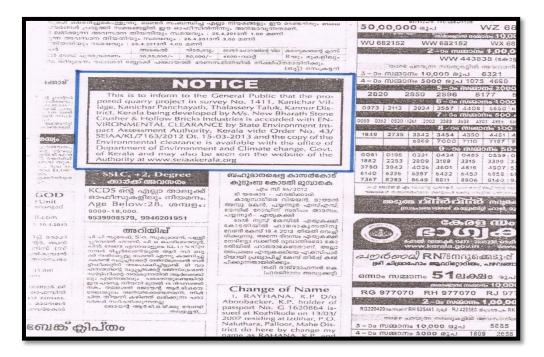
A quarrying lease is granted to M/s. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyil, Poolakutty Post, Kannur - 670 650 to quarry Granite Building Stone over an area of 3.8395 hectares of Private land comprised in Sy.No.1411 of Kanichar Village, Iritti (New) Thalassery (old) Taluk, Kannur 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 Tahalldar, Thalassery and submitted by the applicant subject to the under mentioned conditions.

- 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
- Dead rent is realizable under 29(1)(d) of the said rules subject to revision from time to time 2. on the basis of amendments to the schedule II of the said rules.
- 3. Surface rent realizable 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
- 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 ceed is executed as per rule 31of the said rules. The leasee shall commence quarrying operation only lafter the deed is executed.
- 6 The quarrying area shall be comarcated and boundary stones fixed at the lessee's expenses before execution of the quarrying lease deed.
- The lessee shall not win and discose any type of dimension and desorative 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 60,000 MT (sixty thousand MT only) per year during the tenure of this quarrying lease
- 9 The lessee should exhibit a sign board and a notice board for the intimation of the public at the entrance of the quarry. The following information should be inscripted on the notice board both in English and in Maleyalam



10. The lessee should provide retention wall/barricade/fencing/compound wall surrounding the quarry before the commencement of the quarrying operation preventing accidents by falling of human beings animaterials into the quarry. Lessee should take effective preventive measures for the safety of labourers as well the general public. 11. The lessee should leave a distance of 7.5 mts from the adjacent boundary lands inclused government Puramboke land while carrying out quarrying operation. 12. The lessee should not assign, sublet or transfer his lease or any right or interest there any person without prevous permission the Director of Mining & Geology. 13. The lessee shall pay tax related to Revenue Department as directed by them and details should be furnished to the Geologist periodically. 14. This is not allicense for starting quarrying operations. Quarrying Operations can be starting authority and permission of the Carlot Self Government Institution the Kerala Panchayati Raj Act. 15. The lessee shall obtain D&O License from the LSG institution and produce before Geologist before commencement of quarrying operation in the lease hold land. 16. Quarrying operations without a valid D&O License from LSG institution shall be treater illegal and such activity is punishable. 17. The quarrying lease is granted in accordance with the Environmental clearance accordance as per order No. 49/SEIAA/KL/7163/2012 at. 15.3.2013 of the State Environmental Im Assessment Authority. 18. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyil, Poolakuity Post, Kannur – 670 650. 19. P.P. Sreekumar DIRECTOR OF MINING AND GEOLOGY. 20. The District Collector. Kannur. 3. The Geologist Dist Office Kannur. 3. The Geologist Dist Office Kannur. 4. The Tahsildar Intty 8. Stock File(2). File Copy.	1	Licence No.	Validity period of the	Name of	Quantity permitted to be
surrounding the quarry before the commencement of the quarrying operation preventing accidents by falling of human beings animals and materials into the quarry. Lessee should take effective preventive measures for the safety of labourers as well the general public. 11. The lessee should leave a distance of 7.5 mts from the adjacent boundary lands included for the safety of labourers as well the general public. 12. The lessee should not assign, sublet or transfer his lease or any right or interest thereis any person without previous permission the Director of Mining & Goology. 13. The lessee shall pay tax related to Revenue Department as directed by them and details should be furnished to the Geologist periodically. 14. This is not a license for starting quarrying operations. Quarrying Operations can be startly after getting the D&O License from the boncemed Local Self Government Institutional rights of the Kerala Panchayati Raj Act. 15. The lessee shall obtain D&O license from the LSG institution and produce before Geologist before commencement of quarrying operation in the lease hold land. 16. Quarrying operations without a valid D&O License from LSG institution shall be treated likegal and such activity is punishable. 17. The quarrying lesse is granted in accordance with the Environmental cloarance accordance as per order No. 43/SEIAA/KL/7163/2012 dt. 15.3.2013 of the State Environmental Im Assessment Authority. The terms and conditions stated in this order are subject to such further modification may be made by the State Government from time to time. Sdi-D,P.Sreekumar DIRECTOR OF MINING AND GEOLOGY To: Wis. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mille Nedumpoyil, Poolakutty Post, Kannur – 670 650 Copy to: 1. The Director of Mines Safety, Bangaluru-560078 2. The District Collector. Kannur 3. The Geologist Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File(2). File Copy		Liceline 140			
surrounding the quarry before the commencement of the quarrying operation preventing accidents by falling of human beings animals and materials into the quarry. Lessee should take effective preventive measures for the safety of labourers as well the general public. 11. The lessee should leave a distance of 7.5 mts from the adjacent boundary lands included for the safety of labourers as well the general public. 12. The lessee should not assign, sublet or transfer his lease or any right or interest thereis any person without previous permission the Director of Mining & Goology. 13. The lessee shall pay tax related to Revenue Department as directed by them and details should be furnished to the Geologist periodically. 14. This is not a license for starting quarrying operations. Quarrying Operations can be startly after getting the D&O License from the boncemed Local Self Government Institutional rights of the Kerala Panchayati Raj Act. 15. The lessee shall obtain D&O license from the LSG institution and produce before Geologist before commencement of quarrying operation in the lease hold land. 16. Quarrying operations without a valid D&O License from LSG institution shall be treated likegal and such activity is punishable. 17. The quarrying lesse is granted in accordance with the Environmental cloarance accordance as per order No. 43/SEIAA/KL/7163/2012 dt. 15.3.2013 of the State Environmental Im Assessment Authority. The terms and conditions stated in this order are subject to such further modification may be made by the State Government from time to time. Sdi-D,P.Sreekumar DIRECTOR OF MINING AND GEOLOGY To: Wis. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mille Nedumpoyil, Poolakutty Post, Kannur – 670 650 Copy to: 1. The Director of Mines Safety, Bangaluru-560078 2. The District Collector. Kannur 3. The Geologist Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File(2). File Copy	-			II the and and a Magazine James	meanwal mail
The terms and conditions stated in this order are subject to such further modification may be made by the State Government from time to time. Sdi- D.P.Sreekumar DIRECTOR OF MINING AND GEOLOGY To: Mis. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyli, Poolakutty Post, Kannur – 670 650 Copy to: 1. The Director of Mines Safety, Bangaluru Region, No. 27, 24th Main Next to IDBI Bank, V Phase, J.P.Nagar, Bangaluru-560078 2. The District Collector, Kannur 3. The Geologist Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File(2). File Copy	11. 12. 13. 14. 15.	surrounding the preventing accillatesee should the general out. The lessee should be the lessee should be the lessee should be the lessee should the Kerala The lessee should be the lessee s	e quarry before the dents by falling of huma take effective preventiallo. Illo. Illo deave a distance of amboke land while carried not assign, subject of the previous permission. If pay tax related to Fafumished to the George of Panchayati Raj Act. Ill obtain D&O license for Panchayati Raj Act. Ill obtain D&O license commencement of quations without a valid Dactivity is punishable, asse is granted in acco. 43/SEIAA/KL/7183/20	commencement of an beings animals and we measures for the standard measures for the standard measures for the standard measures for the adjact rying out quarrying oper transfer his lease or the Director of Mining Revenue Department adjist periodically, ing operations. Quarry measurement Local from the LSG institution of	the quarrying operation of materials into the quarry. The safety of labourers as well ent boundary flands including any right or interest therein a Godlogy as directed by them and the safety of Government Institution and produce before the lease hold land institution shall be treated commental cloarance according materials in the commental cloarance according to the safety of the commental cloarance according to the commental cloarance according the commental cloarance according to the contract of the commental cloarance according to the contract of the
To: Mis. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyli, Poolakutty Post, Kannur – 670 650 Copy to: 1. The Director of Mines Safety, Bangaluru Region, No. 27, 24th Main Next to IDBI Bank, V Phase, J.P. Nagar, Bangaluru-560078 2. The District Collector, Kannur 3. The Geologist, Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File (2): File Copy		The terms ar	d conditions stated in		to such further modifications
D.P.Sreekumar DIRECTOR OF MINING AND GEOLOGY To: M/s. New Bharath Stone Crusher & Hollow Bricks Industries, 24 th Mile Nedumpoyil, Poolakutty Post, Kannur – 670 650 Copy to: 1. The Director of Mines Safety, Bangaluru Region, No. 27, 24 th Main Next to IDBI Bank, V Phase, J.P.Nagar, Bangaluru-560078 2. The District Collector, Kannur 3. The Geologist Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File(2). File Copy		may be made by	the State Governmen	t from time to time.	
Mis. New Bharath Stone Crusher & Hollow Bricks Industries, 24th Mile Nedumpoyil, Poolakutty Post, Kannur – 670 650 Copy to :1. The Director of Mines Safety, Bangaluru Region, No. 27, 24th Main Next to IDBI Bank, V Phase, J.P. Nagar, Bangaluru-560078 2. The District Collector, Kannur 3. The Geologist, Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File(2). File Copy				DIRECTOR OF	D.P.Sreekumar
Nedumpoyll, Poolakutty Post, Kannur – 670 650 Copy to :1. The Director of Mines Safety. Bangaluru Region, No. 27, 24th Main Next to IDBI Bank, V Phase, J.P. Nagar, Bangaluru-560078 2. The District Collector, Kannur 3. The Geologist, Dist. Office : Kannur 4. The Tahsildar, Initry 5. Stock File(2). File Copy					
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2. The District Collector, Kannur 3. The Geologist, Dist. Office Kannur 4. The Tahsildar, Intty 5. Stock File(2). File Copy	То	M/s. Nev		Tellina - Gradua	
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Copy of lease order





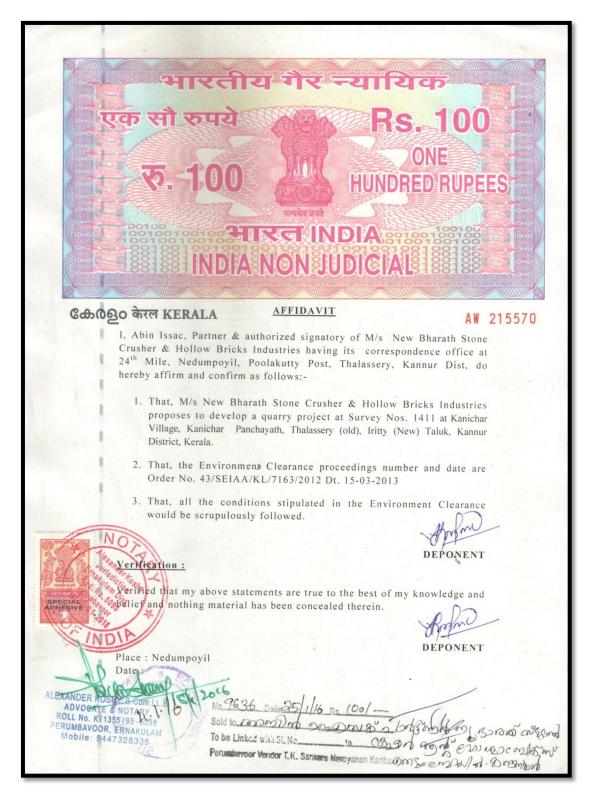
Advertisement in two news papers

Annexure No. 16

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Acknowledgement Receipt from the Gram Panchayat

Annexure No.17



Copy of affidavit