## COMPLIANCE REPORT October 2024 – March 2025

## M/s CITY CRUSHERS THIRUVANANTHAPURAM DISTRICT KERALA



Dt. 21-05-2025

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

Ref :- File No. 1261/EC2/2019/SEIAA dt.22-07-2021

Ref :- Transfer of EC dt. 24-06-2022

Sub :- Environment Clearance - Quarry project at Survey No. 222/1, Aryanad Village, Nedumanagad Taluk, Thiruvananthapuram District, Kerala - Compliance Report - Second Half - Reg.

#### Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for **4.270Ha**. by order No. **1261/EC2/2019/SEIAA**dated 22-07-2021 and transferred to City Crushers on 24-06-2022by StateEnvironmental Impact Assessment Authority, Kerala. The compliance report of **Secondhalf** (October2024–March2025) to the specific and general conditions of the Environment Clearance order is enclosed.

CRUS

DPI Junction Thycaud

Thanking you,

Yours respectfully,

M/s City Crushers

Copy to:-

The Member Secretary
State Environment Impact Assessment Authority (SEIAA),

Thiruvananthapuram, Kerala.

#### **COMPLIANCE REPORT**

TO

THE CONDITIONS

OF

#### **ENVIRONMENTAL CLEARANCE ORDER**

NO: 1261/EC2/2019/SEIAA

Dated: 22-07-2021

Transferred on 24-06-2022

BY

### STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA) FOR

BUILDING STONE QUARRY
(MINOR MINERAL MINING) PROJECT

AT

SURVEY NO. 222/1, ARYANAD VILLAGE, NEDUMANAGAD TALUK,
THIRUVANANTHAPURAM DISTRICT, KERALA

BY

M/S CITY CRUSHERS
THIRUVANANTHAPURAM DISTRICT
KERALA

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#### INTRODUCTION

The quarry project of **M/s City Crushers** is situated at Survey No. **222/1**, Aryanad Village, Nedumanagad Taluk, Thiruvananthapuram District, Kerala

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on 22-07-2021. The EC was transferred by SEIAA on 24-06-2022. As part of general condition No.27 of Environmental Clearance order, half yearly compliance report needs to be submitted by the project proponent. The compliance report of **Second half** to the specific conditions and general conditions of the Environmental Clearance order for the period of **October 2024 – March 2025** is being submitted.

The extraction of minerals started by 20-01-2023.

# COMPLIANCE REPORT (SPECIFIC CONDITIONS) PART A

#### **PART - A - SPECIFIC CONDITIONS**

01	The proponent shall carry out quarrying as per the approved minir	ng <b>complied</b>
	plan and the proponent should strictly follow the Kerala Minor Miner	al
	Concession Rules 2015 and amendment thereby.	

The mineral is being extracted by the proponent in accordance with the regulations and asper the plan submitted and approved by the department. The proponent is strictly following the Kerala Minor Mineral Concession Rules, 2015. The mining is being carried out by crating benches from top to bottom.

02	As the quarry site is located within 10 km radius of the Neyyar and	complied
	Peppara Wildlife Sanctuary, as per OM Dt. 08-08-2019 of MoEF&CC	
	clearance from Standing Committee of the National Board for Wildlife	
	is mandatory for starting a quarry. Hence Project Proponent is	
	directed to obtain a Clearance from Standing Committee of the	
	National Board for Wildlife before starting any activity at site.	

The project proponent has secured clearance from the National Board for Wild Life before commencing the operations at the site approved. The copy of the wild life clearance is attached as Annexure No.1.

03	As per OM no F.No.22-65/2017-IA.III dated 30th September2020,	Noted	for
	under Corporate Environmental Responsibility (CER) the project	complia	ance
	Proponent shall prepare an Environment Management Plan (EMP)		
	as directed by SEAC during appraisal, covering the issues to		
	address the environmental problems in the project region,		
	indicating both physical and financial targets year wise. The EMP		
	shall be implemented in consultation with District Collector. The		
	indicated cost for CER shall be 2% of the project cost depending		
	upon the nature of activities proposed. The follow up action on		
	implementation of CER shall be included in the half yearly		
	compliance report which will be subjected to field inspection at		
	regular intervals. A copy of the approved EMP by SEAC shall be		

forwarded to the concerned local self- government institute for information and to support the project proponent in implementation of activities proposed in the EMP.

The proponent has been executing programmes under the CER head. The activities under CER are properly recoded and the proponent is maintaining a separate account for that. Quarry project is started in January 2023. The project proponent has spent Rs.7,74,000 in this period of October 2023 to March 2024. During the current reporting period the PP has spent ₹ 203800.00. The details of amount spent in this period is attached as **Annexure No.2** 

O4 Considering the seriousness of COVID Pandemic in the State, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities and other related with managing the Covid pandemic in the State. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be 50% of the CER cost estimated in the EMP. The EMP may be modified to accommodate with SEAC. The activities so implemented shall be shown in the half yearly completion report. A copy of the approved EMP by SEAC shall be forwarded to the concerned local self-government institute for information and to support the project proponent in implementation of activities proposed in the EMP.

Noted for compliance

The quarrying operation has started only in January 2023. At present there is no Covid 19. The PP will spend amount to prevent other infectious diseases in association with Local Self Government and Primary Health Center. A copy of approved EMP has submitted at Local Self Government.

In the wake of occurrence of large-scale landslide in the State, as per the information provided by the Department of Mining & Geology, it is

complied

directed to use only NONEL (Non-Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

The Project proponent has been using NONEL technology for blasting operation. Qualified and skilled human resources have been deployed for monitoring and managing quarry operations at site.

As per the directions contained in the OM F.No.22-34 2018-14.III dated 16 January 2020 issued by MoEF&CC, in obedience to the directions of the Honorable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.

Noted for compliance

The proponent will take measures in pursuant to the OM F.No.22-34 2018-14.III released by MoEF&CC, pertaining to eco restoration of the mining area as part of vegetation improvement. The PP will undertake re-grassing the mining area and any other area which may have been disturbed due to mining activities. The mined-out area will be resorted to the condition where flora and fauna will be capable of growing. The compliance will be included in the half yearly compliance report.

or The EC period will be further extended to cover the project life as estimated by SEAC after a field inspection by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no violation of any Act, Rules and Regulation applicable for quarrying.

The project proponent has been following all EC conditions scrupulously.

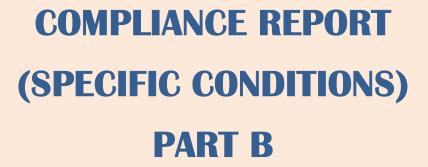
Authority makes it amply clear that EC issued does not necessarily imply that Wildlife Clearance shall be granted to the Project

Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of Clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.

The Project proponent has obtained wild life clearance from National Board for Wild Life for quarrying operation. The copy of the same is attached as Annexure.

0	9	A copy of the EC shall be marked to IGF(WL), MoEF&CC, PCCF and	Noted
		Chief wild life Warden, Kerala, SEAC, District Collector,	
		Thiruvananthapuram and Director Mining and Geology, Department	
		of Industries GOK, besides others for information and necessary	
		further action.	

The copy of the EC granted has been furnished before the offices mentioned in the condition with proper acknowledgment. No further recommendations or advise has been received form the authorities.



#### **PART - B - GENERAL CONDITIONS**

01	A separate environmental management and monitoring cell with	complied
	qualified personnel should be set-up under the control of a Senior	
	Executive, who will report directly to the Head of the Organization.	

In pursuant to the condition stipulated in EC, the proponent has constituted, the Environmental Monitoring Cell (EMC). The EMC meeting convenes regularly to evaluate and monitor quarrying work related to quarrying and the environment management with the specific and general conditions stipulated in the Environmental Clearance (EC) order. The activities of EMC are properly recorded.

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

More tree seedlings have been planted in the project area by the project proponent as avenue trees and a green belt. Both sides of the road and parking lot are bordered by native trees and bushes. This will reduce noise and air pollution when transportation of minerals is being carried out.

03	Sprinklers shall be installed and used in the project site to contain	complied
	dust emissions.	

To prevent dust emissions from the road while transportation of materials, the project is spraying water on roads by a vehicle. Water is splashing on mining area before blasting operation. The project proponent has installed permanent sprinklers to reduce air pollution.

0	4	Eco-restoration including the mine closure plan shall be done at the	Will	be
		own cost of the project proponent.	comp	lied

The eco restoration plan that the project proponent created is being carried out well. The project began by planting a variety of saplings on the project site and in the surrounding area. According to the proposal, the mine closure plan will be carried out at the project proponent's expense.

05	In view of the deep pits left after the excavation, stacking at maximum	Will	be
	top level should be carried Out.	comp	lied

The pits will be reclaimed during mine closure.

06	Corporate Environment Responsibility agreed upon by the proponent	Being
	should be implemented.	complied

Under Corporate Environment Responsibility, the proponent has been carried out various programmes. The PP has already been spent Rs. 7,74,000 amounts in the areas of health and infrastructural development under the programme. The amount spent during the reporting period is ₹ 203800.00. The activities are properly recorded.

07	The project proponent shall comply the conditions stipulated by the	Complied
	statutory authorities concerned.	

The project proponent has been following all conditions stipulated in the EC order and other relevant provisions and directions stipulated by various department concerned in the project.

80	Tarring /multiple options on the access roads shall be undertaken so	Complied
	as to reduce dust pollution during movement of vehicle.	

As a measure to combat dust pollution and thereby keeping the air environment healthier the proponent has tarred the road leading to the quarry from entrance. The vehicular movement is the chief constituent in contributing dust pollution the site. The tarring reduced the dust emission. Inaddition, the project proponent is wetting the approach road and haulage road to arrest the dust during summer season.

09	Overburden materials should be managed within the site and used	Complied
	for reclamation of mine pit as per mine closure plan/specific	
	conditions.	

A portion of over burden has been utilized for constructing haulage roads when it is needed. There is old quarry in the site for restoration with overburden.

1	0	Height of benches should not exceed 5 m, and width should not be	Complied
		less than 5 m, if there is no mention in the mining plan/specific	
		condition.	

As part of safety and eco-friendly mining, the criteria for creating bench has been followed. The quarrying activity in the project is being progressing by creating benches of 5m width and 5m height.

11	Ground level should be fixed in individual cases separately	Complied

The ground level has been fixed by concreates pillars.

slope <b>complied</b>	12 No mining operations should be carried out at places having a slope
	greater than 45 <sup>0</sup>
	greater than 45 <sup>0</sup>

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

13	Acoustic enclosures should have been provided to reduce sound	complied
	amplifications in addition to the provisions of green belt and hollow	
	brick envelop for crushers so that the noise level is kept within	
	prescribed standards given by CPCB/KSPCB. This condition is	
	applicable only in such cases if a crusher is adjacent to the quarry	

To minimize the noise level impact upon workmen engaged in the quarry, the project proponent has provided ear plugs. All machines are being maintained periodically. Vegetation around the mining area helps to reduce noise and air pollution. This helps the noise level kept within prescribed standards

14	The	workers	on	the	site	should	be	provided	with	the	required	complied	l
	proted	ctive equ	ipme	ent s	uch a	s ear m	uffs,	helmet, et	tc.				
													ı

In pursuant to the labour regulations applicable to the project and to implement such regulations, the PP has taken care of the workers of the mine by providing them with personal protective equipments (PPE) like, helmets, ear plugs, safety harness, gloves, reflective jackets, shoes etc.

	15	Garland	drains	with	clarifiers	to	be	provided	in	the	lower	slopes	complied
		around t	he core	area	to channe	elize	sto	orm water.					
l													

The project proponent has made provision for the storm water from the mining area is flowing in to the pond created at mining area. The project proponent has created adequate number of garland drains where it is necessary in the lower slopes of the project area for storm water management.

16	The transportation of minerals should be done in covered trucks to	complied
	contain dust emissions. The proponent should plant trees at least 5	
	times of the loss that has been occurred while clearing the land for	
	the project. SEAC should assess the number of trees in each project	
	site before the issuance of EC so as to ensure the promptness in	
	planting.	

The project proponent assures that the trucks are being covered to avoid dust emission from the vehicle while transportation of materials. As part of compensatory afforestation, the proponent has planted various saplings in the project area. The project proponent is planning to plant more number of saplings in the project site.

17	Explosives should be stored in magazines in isolated place specified	complied
	and approved by the Explosives Department.	

As part of directions of competent authority and safety concern, the explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department.

18	A minimum buffer distance of 100m from the boundary of the quarry	complied
	to the nearest dwelling unit or other structures, not being any facility	
	for mining shall be provided.	

The project complies with the Kerala State Pollution Control Board guidelines for the separation of homes, roads, waterways, and places of worship. The closest residence is more than 100 meters away from the quarry.

19	50 m buffer distance should be maintained from forest boundaries.	complied

The project proponent has left more than 50 meters as buffer distance from the project site.

7	20	Consent from Kerala State Pollution Control Board under Water and	complied
		Air Act(s) should be obtained before initiating mining activity.	

The project has obtained consent from KSPCB under Water and Air Act(s). The copy of certificate of "Consent to Operate" (Renewal) from Kerala State Pollution Control Board is provided.

2	1	All othe	r statutory cle	earanc	es sh	ould be obta	ained, as ap	plicable, by	complied
		project	proponents	from	the	respective	competent	authorities	
		including	g that for blas	ting an	nd sto	rage of explo	osives		

The information about the licenses and approvals that were acquired from various relevant departments and statutory agencies is listed below. The copies of the same is attached as **Annexure No 3 to 8.** 

In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.

Will be Complied

The proponent is nit intending to expand the project. In case of any change(s) in the scope of the project, a fresh approval will be secured form the SEIAA.

The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act. 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

Noted for compliance

The project proponent is agreed to observe all other additional measures will be incorporated by the authority for ensuring environment safety, 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.

Complied

City Crushers COMPLIANCEREPORT

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

- > Kerala Minor Mineral Concession Rules, 2015.
- ➤ Mines Act, 1952
- > Explosive Rules, 2008
- > Kerala Panchayat Raj Act, 1994
- > Water Pollution (Prevention & Control) Act, 1974
- > Air Pollution (Prevention & Control) Act, 1981
- > Environment Protection Act, 1986
- > EIA Notification, 2006 / 2009

25	The project proponent should advertise in at least two local	Complied
	newspapers widely circulated in the region, one of which (both the	
	advertisement and the newspaper) shall be in the vernacular	
	language informing that the project has been accorded	
	Environmental Clearance and copies of clearance letters are	
	available with the State Environment Impact Assessment Authority	
	(SEIAA) office and may also be seen on the website of the Authority	
	at www.seinakerala.org. The advertisement should be made within	
	10 days from the date of receipt of the Clearance letter and a copy of	
	the same signed in all pages should be forwarded to the office of this	
	Authority as confirmation.	

The environmental clearance granted to the quarry project was advertised in two local daily newspapers (in Malayalam and English) within the allotted time, and a copy of the advertisement was submitted to SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.9**. The details are given below in the table.

Table No. 4 Details of advertisement in news paper

SI. No	News paper	Language	Date of edition
01	Mangalam	Malayalam	28-July-2021
02	The New Indian Express	English	28-July-2021

	The Environmental Clearance shall be put on the website of the	Complied
26	company by the proponent.	

A copy of the Environment Clearance has been uploaded in the website of the company.

27	Proponent shall submit half yearly reports in soft copy and SEIAA will	Complied
	upload it on the website.	

The compliance report and the findings from the monitored data are being sent to the MoEF&CC Regional Office in Bangalore and the State Environmental Impact Assessment Authority in Kerala. Both the compliance report and the EC order have been posted to the company's website. The copy of monitoring result is attached as **Annexure No.10-12**.

28	The details of Environmental Clearance should be prominently	Complied
	displayed in a metallic board of 3ft x 3ft with green background and	
	yellow letters of Times New Roman font of size of not less than 40.	
	Sign board with extent of lease area and boundaries shall be	
	depicted at the entrance of the quarry, visible to the public.	

The project site displays the Environmental Clearance details. According to the terms of the Environmental Clearance order, the project proponent has positioned the metallic board.

29	The proponent should provide notarized affidavit (indicating the	Complied
	number and date of Environmental Clearance proceedings) that all	
	the conditions stipulated in the EC shall be scrupulously followed.	

The project proponent has submitted a notarized affidavit stating that all the conditions stipulated in the EC order will be complied.

30	No change in mining technology and scope of working should be	Agreed
	made without prior approval of the SEIAA, no further expansion or	to
	modifications in the mine shall be carried out without prior approval of	Comply

the SEIAA, as applicable.

If the project proponent wishes to broaden its scope, the PP will apply for environmental clearance from SEIAA. The mining is proceeding according to the plan that was provided.

The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.

Complied

The is guaranteed that no mining operations would impede storm water natural discharge. The lease area is not the source of any streams. The project site does not have a natural water stream or thodu flowing along it.

The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45" The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining

Complied

The top soil and overburden are heaped in a specific location on the project site to stop soil erosion. For planting purposes, only the topsoil is utilized. In the mining area, overburden is being used for haulage road construction and landfilling. The excess is being kept in a special location.

COMPLIANCEREPORT

Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.

Complied

In order to collect all of the storm water during the monsoon season, the project proponent built efficient garland drains. These channels are directed to the rain water collection pond. Only clean water will be released from the pond when all silt and sediments have sunk to the bottom. The water from the pond is being used for splashing of water on roads to arrest the dust.

34 Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM and PMs such as haul Road, loading and unloading points and transfer points- it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

Complied

The project proponent put sprinklers at key locations, such as haul routes, transfer points, and loading and unloading zones, to limit dust emissions. The water spraying has been carried out routinely to stop the dust emission. To stop dust emissions, the mobile sprinkler is being maintained properly.

Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.

Complied

The PP has been provided splashes at critical areas to reduce the dust emission. The critical areas such as loading and unloading points, haul roads and transfer points.

36	Measures should be taken for control of noise levels below 85 dBA in	Complied
	the work environment.	

In the mining industry, blasting operations, jackhammer, breaker, and truck noise are the primary sources of noise. All of these activities will not produce noise levels higher than 85 dBA. The project proponent will take the necessary steps to minimize the noise by utilizing all available tools.

37	The funds earmarked for environmental protection measures and	Complied
	CER activate should be kept in separate account and should not be	
	diverted for other purpose. Year wise expenditure should be reported	
	to the State Environment Impact Assessment Authority (SEIAA)	
	office.	

Funds designated for CSR and environmental protection have been kept in a separate account by the project proponent. This facilitates the implementation of additional CSR (corporate social responsibility) initiatives for community development.

38	The Regi	onal Office of	MOE	F & CC locate	d at Baı	ngalore shall	Agreed to
	monitor	compliance o	the	stipulated con	ditions.	The project	comply
	authorities	s should exter	d full	cooperation to	the office	er (S) of the	
	Regional	Office	by	furnishing	the	requisite	
	data/information/monitoring reports.						

The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project proponent has extended all possible cooperation to the officers form regional office of MoEF & CC and can produce all data/information/reports when they are asking for the same.

3	9	Any appeal against this Environmental Clearance shall lie with the	Complied
		National Green Tribunal, if preferred, within a period of 30 days as	
		prescribed under Section 16 of the National Green Tribunal Act,	
		2010.	

No appeal against EC order at NGT within 30 days.

40	Concealing the factual data or submission of false fabricated data	complied
	and failure to comply with any of the conditions mentioned above	
	may result in withdrawal of this clearance and attract action under the	
	provisions of Environment (Protection) Act, 1986.	

The project proponent has produced all factual data and no data concealed during the time of appraisal.

41	The SEIAA may revoke or suspend the order, for non-implementation		
	of any of the specific or this implementation of any of the above		
	conditions is not satisfactory. The SEIAA reserves the right to		
	alter/modify the above conditions or stipulate any further condition in		
	the interest of environment protection.		
		I	

The requirements outlined in this Environment Clearance order is being followed by the project proponent. The project can implement every feasible environmental conservation measure on the project site.

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

The project proponent gives priority to the conditions stipulated in the Environment clearance Order.

43	The Environmental Clearance will be subject to the final order of the	Agreed to
	courts in any pending litigation related to the land or project, in any	comply
	court of law.	

There is pending litigation before any court of law.

The mining operation shall be restricted to above ground water table and it should not intersect ground water table.

The project proponent is extracting building stones in accordance with an authorized mining plan. The project proponent restricts its mining operations above the ground water table. The same instruction has been given to the qualified person.

All vehicles used for transportation and within the mines shall have PUC certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area

The project proponent is keeping an eye on the pollution levels of every vehicle operating on the project site in an effort to reduce air pollution. Only authorized pollution checking centres are used for this monitoring. Vehicles will be washed on the project proponent's land close to the lease area.

Project proponent should obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.

At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

47 Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six-monthly reports to SEIAA.

There is no stream or springs flowing in and around to the mine lease area

Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

In collaboration with the Kerala government's Primary Health Centre (PHC), the project sponsor will run an occupational health surveillance program for workers in mining areas.



#### **Annexure No.1**

F.No.6-55/2021 WL

Government of India
Ministry of Environment, Forest and Climate Change
(Wildlife Division)

2<sup>nd</sup> Floor, Jal Wing Indira Paryavaran Bhawan Jor Bagh Road, Aliganj New Delhi 110003

Date:12.07.2021

To

The Principal Secretary Kerala Forest Department Vazuthacaud Thiruvananthpuram-695014

Sub: Proposal for Building Stone Mine (Quarry) project of Mr. Biju V.T. at Survey No. 222/1, Block No:47 in Aryanad Village, Nedumangad Taluk, Thiruvanathapuram District, Kerala for an area of 4.2700 Ha, Kerala- reg.

Sir,

Reference is invited to the subject mentioned above. The 63<sup>rd</sup> Meeting of Standing Committee of National Board for Wild Life was held on 11<sup>th</sup> June, 2021 through Video Conference under the Chairmanship of Hon'ble Minister for Environment, Forest & Climate Change.

After discussions, the Standing Committee decided to recommend the proposal subject to following:

- A. Condition imposed by the Chief Wild Life Warden:
- 1. There should not be any activity before sunrise and after sunset.
- B. The annual compliance certificate on the stipulated conditions should be submitted by the project proponent to the State Chief Wild Life Warden and an annual compliance certificate shall be submitted by the State Chief Wild Life Warden to Government of India.

Details of the recommendations have been illustrated in the minutes of the meeting posted online in the "PARIVESH" portal of this Ministry.

Yours faithfully,

(Surender Gugloth) Scientist 'D'

Email: surender.gugloth@gov.in

#### Copy to:

- Chief Wild Life Warden, Kerala Forest Department, Vazuthacaud, Thiruvananthpuram-695014
- The Deputy Director General of Forests (C), Integrated Regional Office, MoEFCC, Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore-560034.
- 3. The Joint Secretary, I A Division, MoEF&CC.
- 4. The Inspector General of Forests, FC Division, MoEF&CC.

#### **NBWL Clearnce**

#### **Annexure No.2**

	C S R WORK 1-Oct-2024 to 31-Mar-2025			
Date	noce as a noce a			Debit
16/10/2024	То	Cash	Payment	5000.00
	Shri Sebastian			
22/11/2024	То	Cash	Payment	10000.00
	Paid To Aryanad Police Station	35.55.51	,	
23/11/2024	То	Cash	Payment	100.00
	Paid Laxmi Cancer Patient			
28/11/2024	То	Cash	Payment	200.00
	Paid To Abdil Shameer Patient Heart &leg.			
04/12/2024	То	Cash	Payment	500.00
0 17 12/2021	Paid To Saji Malavila (Treatment)	- Cucii	Taymon	
21/12/2024	To	Cash	Payment	5000.00
21/12/2021	Aryanad Police Station Vehicle Repair	- Guoii	Taymon	
24/12/2024	To	Cash	Payment	1500.00
	Paid To Saji MalavilaTreatment		,	
02/01/2025	To	Cash	Payment	25000.00
	Paid To Lija Home Repair		, <b>,</b>	
10/01/2025	То	Cash	Payment	7500.00
9 - 200 / 500 (200 / 200	Paid To Suresh Kottoor To Medicals For Patients			
27/01/2025	То	Cash	Payment	75000.00
	Paid To Aryanad Grama Panchayath Clock Tower Construction Fund			
15/02/2025	То	Cash	Payment	10000.00
	Paid To Neyyar Police Station (Office Stationary)			
22/02/2025	То	Cash	Payment	500.00
	Paid To David Medical Aid			
22/02/2025	То	Cash	Payment	2500.00
	Paid Paster Boben Jacob			
24/02/2025	То	Cash	Payment	5000.00
	Village Office Aryanad			
26/02/2025	То	Cash	Payment	15000.00
	Paid To Aryanad Panchayath (Paliative Care )			
10/03/2025	То	Cash	Payment	1000.00
	Paid To Samuvel			
12/03/2025	To Divition to	Cash	Payment	5000.00
4.4/00/0005	Paid To Sabu Geology	0 1	D	40000.00
14/03/2025	To Solid To Americal Bullion Chaffers	Cash	Payment	10000.00
05/00/0005	Paid To Aryanad Police Station	0 !		05000 60
25/03/2025	To Bourson Bolist Frank Vethinds on	Cash	Payment	25000.00
	Ramzan Relief Fund Yethimkhana			
	Total			203800.00

#### **CSR Details**

#### **Annexure No.3**



Validity expires on 21.07.2026

#### PROCEEDINGS OF THE STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – KERALA, THIRUVANANTHAPURAM

(Present: Dr.H.Nagesh Prabhu IFS (Retd), Chairman, Dr.Jayachandran.K, Member, Dr.V. Venu IAS, Member Secretary)

Sub: SEIAA - Environmental Clearance for the proposed granite building stone quarry project in Re.Survey No. 222/1, Block No:47 in Aryanad Village, Nedumangad Taluk, Thiruvanathapuram District, Kerala by Mr. Biju.V.T.-Granted - Orders issued.

#### State Environment Impact Assessment Authority, Kerala

#### No.1261/EC2/2019/SEIAA dated, Th

dated, Thiruvananthapuram 22.07.2021

Ref: 1. Application received on 05.03.2019 from Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram- 695572

- 2. Minutes of the 96th SEAC Meeting held on 26th & 27th April 2019
- 3. Minutes of the 97th SEAC Meeting held on 21st & 22nd May 2019.
- 4. Minutes of the 99th SEAC meeting held on 26th & 27th June, 2019.
- 5. Minutes of the 105th SEAC Meeting held on 28th & 29th October, 2019.
- 6. Minutes of the 106th SEAC meeting held on 28th, 29th & 30th November, 2019.
- 7. Minutes of the 107<sup>th</sup> SEAC meeting held on 24<sup>th</sup> December, 2019.
- Minutes of the 101<sup>st</sup> SEIAA meeting held on 17<sup>th</sup> & 18<sup>th</sup> January 2020.
- 9. Minutes of the 110<sup>th</sup> SEIAA meeting held on 29<sup>th</sup> & 30<sup>th</sup> June, 2021.
- 10. G.O(Rt.) No.29/2019/Envt dt.12.04.2019.

#### ENVIRONMENTAL CLEARANCE NO.30/Q/2021

Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram-695572, vide application received on 05.03.2019, has sought Environmental Clearance under EIA Notification, 2006 for the granite building stone quarry project in Re.Survey No. 222/1, Block No:47 in Aryanad Village, Nedumangad Taluk, Thiruvanathapuram District, Kerala for an area of 4.270 Ha. . The project details are as follows:

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SL.No.	Particulars	Details
1	Name of the Project	Granite building stone quarry project of Mr.Biju.V.T
2	Proposed Activity	Mining of Granite Building Stone
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	Non Coal mining, Activity 1(a), Category B2 as per the Schedule of EIA Notification 2006.
4	Name & Address of the Project Proponent	Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram- 695572
5	Project Location	
3,20	a) Re.Survey Nos:	Re.Survey No. 222/1
	b) Revenue Village &Panchayat	Aryanad Village
L. J. T.	c) Taluk	Nedumangad Taluk
mpt is the	d) District	Thiruvanathapuram
6	Geo Co-ordinates	Latitude 08 <sup>0</sup> 34'55.847" N to 08 <sup>0</sup> 35'02.424" N Longitude 77 <sup>0</sup> 06'27.049" E to 77 <sup>0</sup> 06'41.185" E
7	Extent (in Acre/Hectare)	4.270 На.
8	Project Cost (in Lakh)	1 Crore 8 lakhs
9	Production Details	1,56,885 TPA
10	Water Requirement	The daily water demand will be only 4 KLD.  Total 4 KLD of water is required, for plantation —1KLD, Dust Suppression — 2 KLD and for Domestic purpose - 1 KLD. This will be obtained from nearest old quarry and tanker supply. No signicant waste water will be generated and so no proposal of recycling of waste water.
11	Power Requirement	Electric power required for office about 2 KW
		per day, which is drawn from electric line.
12	Solid Waste Management	The mine waste proposed is to be stacked in the dump area specially provided for the purpose

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13	Field Inspection Details	Stacking yards shall be located in a secure place on a non-used zone, having solid base and have been protected by toe walls. The toe walls shall be constructed during first year period. The height of these dumps shall also be restricted and benched. A retaining wall 0.5 m X 1.0 m will be made on the low altitude side the dump.  Date of Field Inspection: 9.8.2019
14	Details of CSR commitment	As per the office memorandum given by Govt.of India, MoEF&CC, Impact Assessment Division, 1% of the capital investment should be used for brown field (Rs.1,08,000) 2% of the capital investment should be used for green field (Rs 2,16,000). 50% of the CSR (Rs.54000/-) given for the Anganvadi centre near the site (2 km) at Kuttichal. Remaining 50% will be given to Govt. L.P. School at Aryanad
15	Validity	5 years from the date of issuance of EC

- 2. The proposal was placed in the 107<sup>th</sup> SEAC meeting held on 24<sup>th</sup> December, 2019. The Committee decided to recommend for issuance of EC subject to the condition that the EC shall be granted after getting the certificate from the National Wildlife Board.
- 3. The proposal was placed in the 101<sup>st</sup> SEIAA meeting held on 17<sup>th</sup>& 18<sup>th</sup> January 2020. Authority noticed that Clearance from National Wild Life Board is required and the proponent had applied for the same. Authority decided to wait for the Clearance from the National Wild Life Board. In the meantime a petition was received from Sri.Shafiyulla Khan with a request for personal hearing on 13.01.2020 alleging misrepresentation of facts and possible environmental hazards in the locality if quarrying is permitted. The Authority forwarded the petition to the Director of Mining and Geology and District Collector, Trivandrum on 05.02.2020 for further enquiry and report.

Later Sri.Shafiyulla Khan vide letter dated 14.09.2020, stated that the complaint submitted to this office was not of him. Also he stated that the name, address and signature were fake in the complaint. He registered a case in Nedumangad Police station and he has no complaint against the operation of the proposed quarry. This submission of Sri.Shafiyulla

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Khan was forwarded to the Director of Mining and Geology and District Collector, Trivandrum vide Authority's letter dated 09.10.2020.

District Collector vide letter dated 05.02.2021 informed that the complainant, Sri.Shafiyulla Khan was heard on 28.01.2021 by Thahasildar, Nedumangad and the complainant didn't submit a complaint before SEIAA regarding the proposed quarrying activities.

Authority vide reminder letter dated 11.02.2021, sought report on the complaint forwarded from the Director of Mining and Geology, Trivandrum. Director of Mining and Geology vide his letter dated 15.02.2021 reported that the letter of intent had been issued for the proposed quarry.

Authority vide letter dated 24.02.2021, reminded proponent for furnishing the Clearance from the National Wildlife Board. But the proponent didn't submit the Clearance yet.

The proponent vide letter dated 24.04.2021 requested for according Environmental Clearance by pointing out that the decision taken by the Authority in Item No.108.13, 108.28 & 108.32 is contrary to the stand taken by SEIAA with regard to his project. The Authority does not insist for Clearance from NBWL as pre-requisite for issuance of EC for these projects. He complains that his fundamental right is denied by the Authority and as per the Constitution of India "equality before law and equal protection of law", he is eligible for EC without Clearance from NBWL.

- 4. The proposal was placed in the 110<sup>th</sup> SEIAA meeting held on 29<sup>th</sup> & 30<sup>th</sup> June, 2021. Authority decided to issue EC for an initial period of 5 years for the quantity mentioned in the approved mining plan subject to the Clearance from the National Board for Wild Life, subject to the following specific conditions in addition to the general conditions.
  - The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.
  - ii. As the quarry site is located within 10 km radius of the Neyyar and Peppara Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC clearance from Standing Committee of the National Board for Wildlife is mandatory for starting a

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#### quarry. Hence Project Proponent is directed to obtain a Clearance from Standing Committee of the National Board for Wildlife before starting any activity at site.

- iii. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP by SEAC shall be forwarded to the concerned local self-government institute for information and to support the project proponent in implementation of activities proposed in the EMP.
- iv. Considering the seriousness of COVID Pandemic in the State, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities and other related activities connected with managing the Covid pandemic in the State. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be 50% of the CER cost estimated in the EMP. The EMP may be modified to accommodate these activities in consultation with SEAC. The activities so implemented shall be shown in the half yearly completion report. A copy of the approved EMP by SEAC shall be forwarded to the concerned local self-government institute for information and to support the project proponent in implementation of activities proposed in the EMP.
- v. In the wake of occurrence of large scale landslides in the State, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

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vi. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.

- vii. The EC period will be further extended to cover the project life as estimated by SEAC after a field inspection by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no violation of any Act, Rules and Regulation applicable for quarrying.
- viii. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife Clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of Clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.
- ix. A copy of the EC shall be marked to IGF(WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Thiruvananthapuram and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.
- 5. Environmental Clearance as per the EIA Notification 2006 is hereby accorded for the granite building stone quarry project of Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram- 695572, in Re.Survey No. 222/1, Block No:47 in Aryanad Village, Nedumangad Taluk, Thiruvanathapuram District, Kerala for an area of 4.270 Ha for the quantity mentioned in the approved Mining Plan, for the project life of 5 years as estimated by SEAC, subject to the specific conditions in Para 4 above, and all the environmental impact mitigation and management measures undertaken by the project proponent in the Form I, EMP, PFR and Mining plan submitted to SEIAA. The assurances and clarifications given by the proponent will be deemed to be a part of these proceedings as

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if incorporated herein. Also the general conditions for projects stipulated for mining (items 1 to 57), appended hereto will be applicable and have to be strictly adhered to.

- 6. The Clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures as assured in the Environment Management Plan and the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions and the undertakings in (Mining), (Blasting), (Mines Drainage), (Stacking of Mineral rejects and Disposal of waste), (Environment Management Plan) & (Progressive Mine Closure Plan) of the Mining Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.
- 7. Validity of the Environmental Clearance will be five (5) years from the date of this Clearance, subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of EC in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry.
- 8. Compliance of the conditions herein will be monitored by the State Environment Impact Assessment Authority or its authorised offices and also by the Regional Office of the Ministry of Environment, Forest & Climate Change, Govt. of India, Bangalore. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.
- **9.** Instances of violation if any shall be reported to the District Collector, Thiruvanathapuram
- 10. The Half Yearly Compliance Report (HYCRs) with its contents, covering letter, compliance report and environmental monitoring data have to be submitted in PDF format merged into a single document. The email should clearly mention the name of the project, EC No and date, period of submission and be sent to the Regional Office of MoEF & CC by email only at email ID <a href="mailto:rosz.bng-mefcc@gov.in">rosz.bng-mefcc@gov.in</a>. Hardcopy of HYCRs shall not be acceptable.

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11. The given address for correspondence with the authorised signatory of the project is Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram-695572.

Anil P.Antony
Administrator, SEIAA
For Member Secretary, SEIAA

To,

Mr.Biju.V.T. R.S.Bhavan Narangarakonam, Veeranakavu P.O. Thiruvanathapuram- 695572.

#### Copy to,

- MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: rosz.bng-mefcc@gov.in)
- The Principal Secretary to Government, Environment Department, Government of Kerala
- 3. The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.
- 4. IGF (WL) MoEF& CC
- 5. PCCF (WL) & Chief WL Warden, Dept of Forest & WG, GoK
- 6. The District Collector, Thiruvanathapuram
- 7. The Director, Mining & Geology, Thiruvananthapuram -4.
- 8. The Member Secretary, Kerala State Pollution Control Board
- 9. The District Geologist, Thiruvanathapuram
- 10. The Tahsildhar, Nedumangad Taluk, Thiruvanathapuram District
- 11. The Secretary, Aryanad Village, Nedumangad Taluk, Thiruvanathapuram
- 12. The Chairman, SEIAA.
- 13. Website.
- 14.S/f
- 15.O/c



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

- A separate environmental management and monitoring cell with qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
- Sprinklers shall be installed and used in the project site to contain dust emissions.
- Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
- In view of the deep pits left after the excavation, stacking at maximum top level should be carried
  out.
- Corporate Environment Responsibility agreed upon by the proponent should be implemented.
- The project proponent shall comply the conditions stipulated by the statutory authorities concerned.
- Tarring /multiple options on the access roads shall be undertaken so as to reduce dust pollution during movement of vehicle.
- Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions.
- Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention in the mining plan/specific condition.
- 11. Ground level should be fixed in individual cases separately
- 12. No mining operations should be carried out at places having a slope greater than 45°.
- 13. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB. This condition is applicable only in such cases if a crusher is adjacent to the quarry.
- 14. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
- Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
- The transportation of minerals should be done in covered trucks to contain dust emissions. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project. SEAC should assess the number of trees in each project site before the issuance of EC so as to ensure the promptness in planting.
- Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
- 18. A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.
- 19. 50 m buffer distance should be maintained from forest boundaries.
- Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
- 21. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- 22. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.
- 23. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- 24. 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.

- The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at 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 signed in all pages should be forwarded to the office of this Authority as confirmation.
- 26. The Environmental Clearance shall be put on the website of the company by the proponent.
- 27. Proponent shall submit half yearly reports in soft copy and SEIAA will upload it on the website.
- 28. The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public
- 29. The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.
- 30. No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.
- 31. The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
- The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
- 33. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
- 34. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub> such as haul Road, loading and unloading points and transfer points it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- 36. Measures should be taken for control of noise levels below 85 dBA in the work environment.
- 37. The funds earmarked for environmental protection measures and CER activate should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.
- 38. The Regional Office of MOEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act. 2010.
- 40. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- 41. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or thisimplementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

- 42. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.
- 43. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.
- 44. The mining operation shall be restricted to above ground water table and it should not intersect ground water table.
- 45. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area'
- 46. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.
- 47. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.
- 48. Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

Administrator, SEIAA

## **Copy of Environmental Clearance**

City Crushers COMPLIANCEREPORT

#### **Annexure No.4**





## PROCEEDINGS OF THE STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – KERALA, THIRUVANANTHAPURAM

(Present : Dr.H.Nagesh Prabhu IFS (Retd.), Chairman , Shri.Krishna Panicker, , Member, Dr.V.Venu IAS, Member Secretary)

Sub: SEIAA –Environmental Clearance issued to Sri. Biju V. T. for the Granite Building Stone Quarry Project in Survey No. 222/1, Block No: 47 in Aryanad Village, Nedumangad Taluk, Thiruvananthapuram District - Transferred to Sri. N.Dananjayan Unnithan, Managing Partner, M/s City Crushers - Orders issued.

## State Level Environment Impact Assessment Authority, Kerala

Proposal No. SIA/KL/MIN/266793/2022

File No. 1261/EC2/2019/SEIAA

Dated: 24.06.2022

Read: 1. EC No. 30/Q/2021 dated 22.07.2021

- 2. Request from Shri. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers on 08.04.2022.
- 3. Minutes of the 114th SEIAA meeting held on 25th, 26th May and 1st June 2022
- 4. G.O(Rt.) No.29/2019/Envt dt.12.04.2019.

#### ORDER

Environmental Clearance was issued vide paper read 1<sup>st</sup> to Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram- 695572, for the Granite Building Stone Quarry Project in Block No:47, Re.Survey No. 222/1, Aryanad Village, Nedumangad Taluk, Thiruvanathapuram District, Kerala.The validity of EC expires on 21.07.2026.

Vide paper read 2<sup>nd</sup> above, an application for transfer of Environmental Clearance was submitted by Sri. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers. The land for the building stone quarry project is a private owned land and this is now purchased by Sri.N.Dananjayan Unnithan, Managing Partner, M/s City Crushers. Hence the EC holder, Sri..Biju.V.T. decided to transfer the EC to Sri..N.Dananjayan Unnithan, Managing Partner, M/s City Crushers.

Page 1 of 3

The proposal was placed in the 114<sup>th</sup> SEIAA meeting held on 25<sup>th</sup>, 26<sup>th</sup> May and 1<sup>st</sup> June 2022. The Authority noted the request of the proponent to transfer the EC to Mr. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers. After verifying the documents and having convinced of the reasons for transfer, the Authority agreed to transfer the EC issued to Mr. Biju. V. T for the Granite Building Stone Quarry Project in Survey No. 222/1, Block No: 47 Aryanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala to Mr. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers as per clause 11 of EIA notification 2006.

In the above circumstance, the Environmental Clearance issued to Sri.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvanathapuram- 695572, for the Granite Building Stone Quarry Project in Block No.47, Re.Survey No. 222/1, Aryanad Village, Nedumangad Taluk, Thiruvanathapuram District, Kerala is hereby transferred to Sri. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers, Mehfil, TC 16/1722-1, ULRA – 36, Ulloor Lane, DP1, Jagathy, Thiruvanathapuram – 695014, as per Clause 11 of EIA Notification 2006 on the same Terms and Conditions under which the EC was initially granted and for the same validity period. Here after, all the transactions/communications related to this project will be with Sri. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers, Mehfil, TC 16/1722-1, ULRA – 36, Ulloor Lane, DP1, Jagathy, Thiruvanathapuram – 695014.

Anil P.Antony
Administrator, SEIAA
For Member Secretary, SEIAA

To.

Sri.Biju.V.T.,
 R.S.Bhavan,
 Narangarakonam, Veeranakavu P.O.,
 Thiruvanathapuram- 695572

2. Sri. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers, Mehfil, TC 16/1722-1, ULRA – 36, Ulloor Lane, DP1, Jagathy, Thiruvanathapuram – 695014



Copy to,

- MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: rosz.bng-mefcc@gov.in)
- 2. The Additional Chief Secretary to Government, Environment Department

Page 2 of 3

## Copy of Environmental Clearance - transferred

(

City Crushers COMPLIANCEREPORT

## **Annexure No.5**

FILE NO: KSPCB/TV/ICO/10005173/2022

Date of issue : 22-06-2022





## KERALA STATE POLLUTION CONTROL BOARD

#### **CONSENT TO**

## OPERATE/AUTHORISATION/REGISTRATION

#### ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No.: 10005173 Dated: 16-06-2022

To

City Crushers Shambuthangi, Aryanad P.O. ,Thiruvananthapuram ,

Consent No.: KSPCB/TV/ICO/10005173/2022

Valid Upto : 21-07-2027

#### 1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make IIII variation in or revoke all or any of the conditions as the Board deems fit

1	VALIDITY	21-07-2027
2	Name and Address of the establishment	City Crushers Shambuthangi, Aryanad P.O. ,Thiruvananthapuram ,
3	Occupier Details	N Dhananjayan Unnithan Mehfil, T.C16/1722-1, ULRA-36, Ulloor Lane DPI, Jagathy, Thiruvananthapuram - 695014.
4	Local Body	Aryanad Panchayath
5	Survey Number	222/1
6	Village	Aryanadu
7	Taluk	Nedumangad
8	District	THIRUVANANTHAPURAM
9	Capital Investment(Rs in Lakhs)	108.0
10	Scale	Small
11	Category	RED
12	Annual fee(Rs)	25000.0
	Total Fee remitted(Rs)	2540.0
13	Activity	Granite Building Stone-1000 Metric Tonnes/Day
14	Machinery details	2KW

## **Copy of Consent form PCB**

भारत सरकार | Gövernment of India वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसी) | Perfoleum & Explosives Safety Organisation (PESO) पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives केन्द्रीय भवन, व्लाक सी-2, तीसरी मंजिल | Kendriya Bhavan, Block C-2, 3rd Floor CSEZ पी.ओ कक्कानाड कोच्यी | CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037 फोन (Phone):- 2427286 | फैक्स (Fax):- 2427276

संख्या (No.): E/SC/KL/22/1649(E77186)

सेवा में | To,

दिनांक (Date): 27/12/2022

McCity Crusher, Mchfil, TC-16/1722-1, ULRA-36, ULoor Lane, DPI, Jagathy, TownVillage - Thirwanthapuram District-THIRUVANANTHAPURAM, State-Kerala, Pincode - 695014

Survey No. R.Sy. No. 190, Block No. 47, ग्राम Aryanadu (v), Nedumangad Taluk, जिला THIRUVANANTHAPURAM, राज्य Kerala में मेसर्स M/s. City Crusher द्वारा विस्फोटक के मेगजीन में उपयोग के लिए कब्बा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जीरी अनुशक्ति से E/SC/KL/22/1649(E77186) के संशोधन संदर्भ में। ( अनुशक्तिधारी के नाम / पता / स्थिति में परिवर्तन)

Subject: Possession for Use of of Explosives from magazine situated at Survey No.: R.Sy.No.190, Block No.47, Aryanadu (y), Nedumangad Taluk, Dist. THIRUVANANTHAPURAM, Kerala - Licence No.: E/SC/KL/22/1649(E77186) granted in Form LE-3 of Explosives Rules, 2008 - ( Change in Licensee Name/Address/Status).

आपका उपर्युक्त विषय पर पत्र संख्या Nil दिनांक 10/12/2022 का संदर्भ ग्रहण करें। Please refer to your letter no. Nil dated 10/12/2022.

अनुज्ञप्ति संख्या E/SC/KL/22/1649(E77186) में **अनुज्ञप्तिधारी के नाम / पता / स्थिति में परिवर्तन** के संदर्भ में निम्नलिखित परिवर्तन प्रभावित किए गए है। The following changes are effected in licence No.: E/SC/KL/22/1649(E77186) with respect to the subject below. **Change in Licensee Name/A** 

विषयक अनुज्ञप्ति Mr.V T Biju से M/s. City Crusher के नाम स्थानांतरित की जा रही है। The subject license is transferred from Mr.V T Biju to M/s. City Crusher.

लाइसेंस रिकार्ड के अनुसार प्राधिकृत अभिकर्ता / अठिषता / Partner के नाम निम्नानुसार है। The names of the Authorized Signatory/Occupier/Partner in Licence records are not

क्र.   No नाम   Name		
1)	Mr. Dhanajayan Unnithan (Authorized Signatory)	
2)	Mr. S. Stephen (Partner)	
3)	Mr.V.T.Biju (Partner)	
4)	Mr. Ramiz Rafi (Partner)	
5)	Mr. Laiju A.S. (Partner)	
6)	Mr. Rahul R.S. (Partner)	
7)	Mr. Dhanajayan Unnithan (Occupier)	
8)	Mr. Dhanajayan Unnithan (Partner)	

किसी भी एक समय में लाइसेंस क्षमता निम्नलिखित वर्ग तथा मात्रा से अधिक नहीं होगी।

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	100	Kg.
2	Safety Fuse	6	1	0	1000	Mtrs
3	Ordinary Detonator	6	3	0	3000	Nos.
4	Electric Detonators	6	3	0	1000	Nos.

किसी एक कलैंडर मास में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद ३ (ख) और (ग) के अधीन अनुजाप्ति के लिए लागू) : 20 गुना Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 20 times as above.

यह अनुज्ञप्ति दिनांक 31 मार्च 2027 तक प्रवृत्त रहेगी। This Licence shall remain valid till 31st day of March 2027.

अनुङ्गाप्ति के आगामी नवीकरण हेतु कृपया विस्फोयटक नियम, 2008 के नियम 112 के अंतर्गत प्रक्रिया का पालन करें। कृपया पावती दें। For further revalidation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter may please be acknowledged.

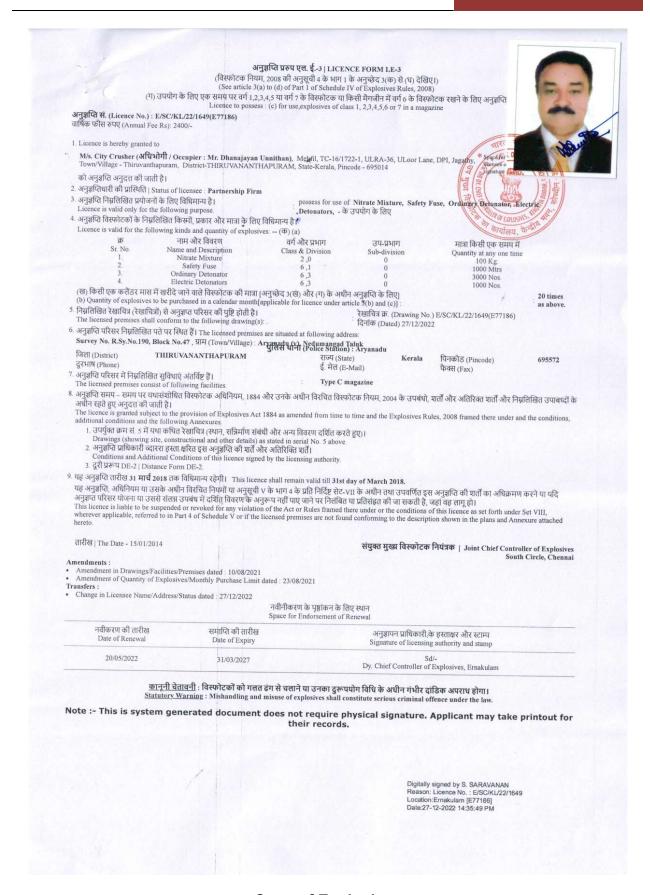
भवदीय। Your's faithfully

(**एस. सरवनन | S Saravanan)** उप विस्फोटक नियंत्रक | Dy. Controller of Explosives कृते उप मुख्य विस्फोटक नियंत्रक | For Dy. Chief Controller of Explosives

कोच्ची | Ernakulam

प्रतिलिपि प्रेषित | Copy Forwarded to:

District Magistrate, THIRUVANANTHAPURAM, Kerala with reference to his Noc No: DCTVM/7146/2022-A17 Dated: 20/12/2022
 Superintendent of Police, THIRUVANANTHAPURAM, Kerala



## Copy of Explosives



## Aryanad Grama Panchayat

Kerala Panchayat Raj Act, 1994 (13 of 1994) Sections 232, 233, 234 and 254 according to the same subsequent regulations

PROVIDING SERVICES LIKE FACTORIES, TRADES, ENTREPRENEURSHIP ACTIVITIES AND OTHERS

## LICENCE

No: JC3/278/8226/23

Date: 27.01.2024

Name and Address of Licencee	N. DHANANJAYAN UNNITHAN, Mehfil, TC-16/1722-1, ULRA-36 ULLOR LANE, DPI, JAGATHY, TVM		
Name of the institution and place	M/S CITY Crushers		
Licensed activities	QUARRYING ACTIVITY		
Building No. and Ward No	222/1, BLOCK NO47		
Licence Period	from 01-04-2024 to 31-03-2027		
Licence fee charged	₹60000 Receipt No: 123010256 Date: 25-01-2024		
Profession Tax (Institutions)	₹3750 +∘₹3750	Receipt No: 1230102563 Date: 25-01-2024	
Details of Non- Objection Letters submitted for grant of licence (Number, Date, Period, Authority Issued).	1.CONSENT FROM PCB NO-KSPCB/TV/ICO/10005173/2022 DATED-22/06/2022 2.CONSENT FROM (PESO) NO-E/SE/KL/22/1649(E77186) DATED- 27/12/2022 3.STATE ENVIRONMENT CLEARANCE NO-1261/EC2/2019/SEIAA DATED-24/06/2022 4.CLARANCE FROM MINISTRY OF ENVIRONMENT FOREST AND CLIMATE CHANGEDATED. 12/07/2021 5. MOTOR FEE 15000 RT NO-1230102564 DATED 25/01/2024		

Document centiled by Matris Stateta G sandbiphete by Pyrnat.com. Digitally signed by 1/1 ble Sheeta G Date: 2024.01.251 /31:10 IST Reason: ILGMS Govt. of kerala Secretary

Secretary Aryanad Grama Panchayat

## **Panchayath License**

File No.DMG/9024/2021-M3

279

1/212435/2022

# PROCEEDINGS OF THE DIRECTOR OF MINING AND GEOLOGY, THIRUVANANTHAPURAM, KERALA (Present: S. HARIKISHORE IAS)

Sub:-

Mining & Geology – Minor Minerals – Granite Building Stone – Transfer of quarrying lease in respect of Shri. Biju V.T, R.S Bhavan, Naragarakonam, Veeranakavu (P.O.), Thiruvananthapuram to M/s City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram – 695 014, Represented by the Managing Partner, Shri. Dhananjayan Unnithan, sanctioned - Orders issued – reg.

Ref:-

- Proceedings Order No. 379/2021-22/5669/M3/2018//DMG Dated 28/12/2021 of the Director of Mining & Geology
- Application dated 07/03/2022 from Shri. Biju V.T, R.S. Bhavan, Narangarakonam, Veeranakavu, Thiruvananthapuram.
- Letter No. DOT/ML-878/2022 Dated 22/03/2022 from the Geologist, District Office, Thiruvananthapuram
- 4. Mines and Minerals (Development & Regulation) Act, 1957
- 5. Kerala Minor Mineral Concession Rules, 2015
- Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules, 2015

No. 45/2022-23/9024/M3/2021/DMG Dated Thiruvananthapuram 23/05/2022

## ORDER

A quarrying lease was granted to Shri. Biju V.T, R.S Bhavan, Naragarakonam, Veeranakavu (P.O.), Thiruvananthapuram to quarry Granite (Building Stone) over an area of 4.270 Hectare of land comprised in Re-survey No. 222/1 of Aryanadu village, Nedumangad Taluk Thiruvananthapuram District for a period of 12 (twelve years) as per the reference 1<sup>st</sup> cited. Accordingly the lease deed was executed and registered on 06.01.2022 and the same will be expiring on 05.01.2034.

An application was submitted Shri. Biju V.T, R.S Bhavan, Naragarakonam, Veeranakavu (P.O.), Thiruvananthapuram to transfer the said lease to M/s. City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram – 695 014, represented by the Managing Partner, Shri. Dhananjayan Unnithan. The Geologist District Thiruvananthapuram recommended vide reference 3<sup>rd</sup> cited that the office has no objection to transfer the lease granted in favor of Shri. Biju V.T, R.S Bhavan, Naragarakonam, Veeranakavu (P.O.), Thiruvananthapuram to M/s. City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram – 695 014, represented by the Managing Partner, Shri. Dhananjayan Unnithan. On verification of the application with the documents attached therewith, it is found that the

#### File No.DMG/9024/2021-M3

1/212435/2022

application and the documents are proper and genuine.

In the above circumstances, by the exercising the powers conferred by Kerala Minor Mineral Concession Rules 2015, sanction is hereby accorded for the transfer of quarrying lease granted vide reference 1<sup>st</sup> cited in favour of Shri. Biju V.T, R.S Bhavan, Naragarakonam, Veeranakavu (P.O.), Thiruvananthapuram to M/s. City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram – 695 014, represented by the Managing Partner, Shri. Dhananjayan Unnithan. The above said quarrying lease shall hence forth stands transferred to M/s. City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram – 695 014, represented by the Managing Partner, Shri. Dhananjayan Unnithan on condition that the Department is absolved from all the liabilities and responsibilities arising out of this transfer and the transferee will pay the outstanding dues, if any, of the transferor to Government.

The transferee, M/s. City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram – 695 014, represented by the Managing Partner, Shri. Dhananjayan Unnithan shall execute the transfer lease deed in Form E of the Kerala Minor Mineral Concession Rules 2015 within three months from the date of this order as per Rule 45 (3). The transferee shall not commence quarrying operations without obtaining statutory licenses like Environmental Clearance, Consent to operate issued by the Kerala State Pollution Control Board, Explosive License and D&O licence issued by the Panchayath concerned, in favour of the transferee.

Signature Not Verified
Digitally signed by
S.HARIKISHORE AS
Date: 2022.05.23 15:02:17 IST
Reason: Approved

S. HARIKISHORE IAS DIRECTOR

To

- 1. Shri. Biju V.T, R.S Bhavan, Naragarakonam, Veeranakavu (P.O.), Thiruvananthapuram
- M/s. City Crushers, Mehfil, TC 16/1722-1, ULRA-36, Ulloor lane, DPI, Jagathy, Thiruvananthapuram 695 014 (represented by the Managing Partner, Shri. Dhananjayan Unnithan)

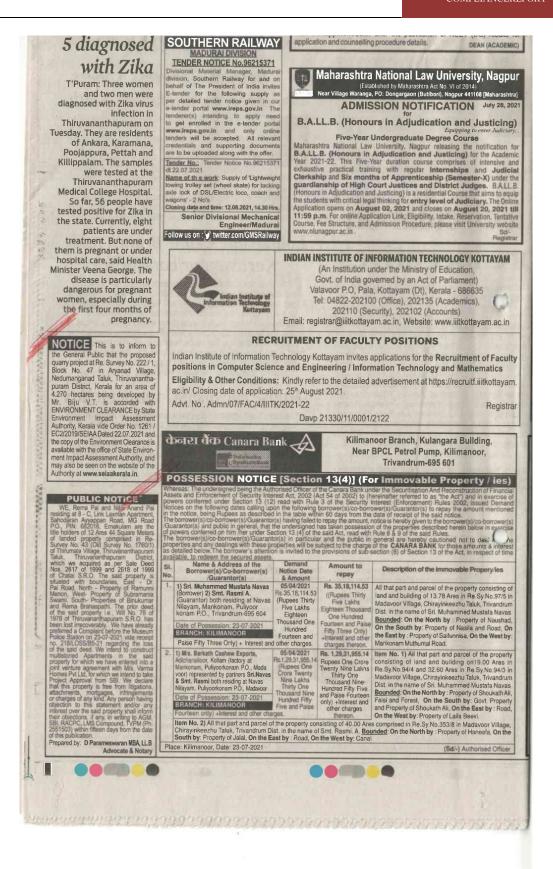
#### Copy to:

- The Director (Mining), Directorate General of Mines Safety No 5 14th Main (100ft) Road, 4th B-Block Koramangala, Banglore -560034
- 2. The District Collector, Thiruvananthapuram
- 3. The Deputy Chief Controller of Explosives, PESO, C-2 III Floor, CGO Complex, Kakkanad, Ernakulam
- 4. The Geologist, District Office, Thiruvananthapuram

## Copy of lease

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## **Advertisement in Newspaper**





## TEST REPORT

ULR NO: TC1293925000003703F		
LRI No.: SEAAL25022317A	Date: 28-02-2025	Page 1 of 1

CUSTOMER DETAILS		
	M/s City Crushers	
Customer Name & Address	Formerly Proprietor, Mr. Biju V.T	
	Aryanad, Nedumangad	
	Thiruvananthapuram District	
Customer Reference Test Request date: 19-02-2025		

SAMPLE DETAILS				
Product Category	Atmospheric Pollution	Sample Code	EN25020823	
Sample Name	Ambient Air	Sample Received on	21-02-2025	
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	22-02-2025	
Sampled by	Lab Authorized Sampler	Test Completed on	27-02-2025	

DETAILS OF SAMPLING				
Sampling Location	Project Site	Date of Sampling	19-02-2025	
Sampling Procedure SEAAL/CHL/SOP/7.3/02 Humidity 69 %				

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS			
Survey No.	221/1		
Village	Aryanad	Taluk	Nedumangad
District	Thiruvananthapuram	State	Kerala

	TEST RESULTS-CHEMICAL DISCIPLINE					
SL NO	PARAMETERS	TEST METHOD	UNIT	RESULT	NAAQ STANDARD	
1	Particulate matter, PM <sub>10</sub>	IS 5182 (Part 23): 2006	μg/m³	60.4	100 (Max)	
2	Particulate matter, PM <sub>2.5</sub>	IS 5182 (Part 24): 2019	μg/m³	28.1	60 (Max)	
3	Sulphur dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001	μg/m³	4.40	80 (Max)	
4	Oxides of Nitrogen as NO <sub>2</sub>	IS 5182 (Part 6): 2006	μg/m³	5.12	80 (Max)	

Remarks:

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

Shency Joy TM - Chemical Checked by

Laiju P.N. **Laboratory Head** 

Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

## Standards Environmental & Analytical Laboratories

Accreditation & Certification:

NABL accredited Laboratory as per ISO/IEC 17025:2017 vide Certificate No. TC-12939; ISO 45001:2018 OHSAS certified laboratory. Approval & Recognition: MoEF recognized Environmental Laboratory; "A" Grade Laboratory approved by KSPCB.

'Standards' Bldg. No: 338/A,B,C,D,E (Behind BPCL Petrol Pump), Edayar, Muppathadam P.O., Ernakulam Dist.-683 110.

Tel. 0484-2546660, 93872 72402, 90743 41443, Web: www.standardslab.in, E-mail: seaalab@gmail.com

## **Result of Air**





## **TEST REPORT**

ULR No: TC1293925000003704F		
LRI No.: SEAAL25022318A	Date: 28-02-2025	Page 1 of 2

CUSTOMER DETAILS		
	M/s City Crushers	
	Formerly Proprietor, Mr. Biju V.T	
Customer Name & Address	Aryanad, Nedumangad	
	Thiruvananthapuram District	
Customer Reference	Test Request date: 19-02-2025	

DETAILS OF MONITORING				
Product Category	Atmospheric Pollution	Sample Code	EN25020824	
Sample Name	Ambient Noise	Monitoring Commenced on	19-02-2025	
Test Method	20-02-2025			
Monitoring Location	Project Site	Monitored by	Lab Authorized Sampler	

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS				
Survey No.	221/1			
Village	Aryanad	Taluk	Nedumangad	
District	Thiruvananthapuram	State	Kerala	

	MONITORING RESULTS - Leq					
TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	TIME	RESULTS dB(A)	
06:00	40.0	14:00	53.6	22:00	38.7	
07:00	42.8	15:00	54.0	23:00	38.2	
08:00	47.4	16:00	55.2	24:00	41.0	
09:00	51.1	17:00	55.6	01:00	41.8	
10:00	53.6	18:00	49.9	02:00	41.4	
11:00	56.9	19:00	46.1	03:00	42.2	
12:00	54.0	20:00	42.0	04:00	41.0	
13:00	53.1	21:00	41.5	05:00	42.9	

Shency Joy TM - Chemical Checked by Standards Standards

Laiju P.N.

**Laboratory Head** Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

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City Crushers COMPLIANCEREPORT





## **TEST REPORT**

ULR No: TC1293925000003704F				
LRI No.: SEAAL25022318A	Date: 28-02-2025	Page 2 of 2		

Sl. No.	PARAMETERS	UNIT	RESULT
1	Ambient Sound Level (Leq) Day Time	dB(A)	52.1
2	Ambient Sound Level (Leq) Night Time	dB(A)	41.4

Remarks:

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



Shency Joy
TM - Chemical
Checked by

Standards Standards

Laiju P.N.
Laboratory Head
Authorized Signatory

The results are related to the samples tested; This test report shall not be reproduced except in full, without the written approval of the laboratory, Unless requested by the customer; the samples will not be retained for more than 7 days from the date of report.

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## **Result of Noise**





## **TEST REPORT**

ULR No: TC1293925000001242F				
LRI No.: SEAAL25012149A	Date: 31-01-2025	Page 1 of 2		

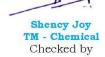
CUSTOMER DETAILS			
	M/s Secura Developers Private Limited		
Customer Name & Address	Pathaikkara, Perinthalmanna Malappuram District.		
Customer Reference	Test Request Date: 24-01-2025		

SAMPLE DETAILS				
Product Category	Water	Sample Code	WT25010785	
Sample Name	Ground Water	Sample Received on	25-01-2025	
Sample Description by Customer	Open Well Water	Temperature @ Receipt	4°C	
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	26-01-2025	
Sample Quantity& Packing	2 L & 125 ml in a Plastic Bottle	Test Completed on	30-01-2025	
Information Provided by Customer	-	Sampled by	Lab Authorized Sampler	

DETAILS OF SAMPLING				
Sample Source	Project Site	Date of Sampling	24-01-2025	
Sampling Procedure	SEAAL/QAD/SOP/7.3/01	Sample Temperature	27.5°C	

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS				
Re - Survey No.	148/2-5, 148/31 and Others			
Village	Pathaikkara	Taluk	Perinthalmanna	
District	Malappuram	State	Kerala	

	TEST RESULTS- CHEMICAL DISCIPLINE				
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
1	Colour	IS 3025 (Part 4): 2021	Hazen	1	5 (Max)
2	Odour	IS 3025 (Part 5): 2018		Agreeable	Agreeable





Remya B.

TM-Biological Authorized Signatory Zamon

Ramar R.
Technical Head
Authorized Signatory

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## **TEST REPORT**

ULR No: TC1293925000001242F			
LRI No.: SEAAL25012149A	Date: 31-01-2025	Page 2 of 2	

TEST RESULTS- CHEMICAL DISCIPLINE					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012
3	Turbidity	IS 3025 (Part 10): 2023	NTU	<0.10	1 (Max)
4	pН	IS 3025 (Part 11): 2022		6.71	6.50-8.50
5	Conductivity	IS 3025 (Part 14):2013	μS/cm	88.0	Name .
6	Total Dissolved Solids	IS 3025 (Part 16): 2023	mg/L	56.0	500 (Max)
7	Total Hardness as CaCO3	IS 3025 (Part 21): 2009	mg/L	20.0	200 (Max)
8	Calcium as Ca	IS 3025 (Part 40): 1991	mg/L	6.40	75 (Max)
9	Magnesium as Mg	IS 3025 (Part 46): 2023	mg/L	<1.00	30 (Max)
10	Chloride as Cl	IS 3025 (Part 32): 1988	mg/L	10.0	250 (Max)
11	Total Alkalinity as CaCO3	IS 3025 (Part 23): 2023	mg/L	16.2	200 (Max)
12	Iron as Fe	IS 3025 (Part 53): 2003	mg/L	<0.10	1 (Max)
13	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24/Sec 1): 2022	mg/L	<1.00	200 (Max)

	TEST RESULTS - BIOLOGICAL DISCIPLINE					
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per Acceptable Limit of IS 10500: 2012	
1	Total Coliform Bacteria	IS 15185: 2016	11 222	Absent/100ml	Absent/100 ml	
2	E. coli	IS 15185: 2016		Absent/100ml	Absent/100 ml	

Remarks:

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





Remya B.
TM-Biological
Authorized Signatory

Ramar R.
Technical Head
Authorized Signatory

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## **Result of groundwater**





## TEST REPORT

ULR No: TC1293925000003705F			
LRI No.: SEAAL25022319A	Date: 28-02-2025	Page 1 of 2	

CUSTOMER DETAILS			
	M/s City Crushers		
a	Formerly Proprietor Mr. Biju V.T		
Customer Name & Address	Aryanad, Nedumangad		
	Thiruvananthapuram District		
Customer Reference	Test Request Date: 19-02-2025		

SAMPLE DETAILS				
Product Category	Water	Sample Code	WT25020756	
Sample Name	Surface Water	Sample Received on	21-02-2025	
Sample Description by Customer	Quarry Pond Water	Temperature @ Receipt	4°C	
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	22-02-2025	
Sample Quantity& Packing	2 L & 125 ml in a Plastic Bottle	Test Completed on	27-02-2025	
Information Provided by Customer		Sampled by	Lab Authorized Sampler	

DETAILS OF SAMPLING					
Sample Source	Project Site	Date of Sampling	19-02-2025		
Sampling Procedure	SEAAL/QAD/SOP/7.3/01	Sample Temperature	27.5 °C		

INFORMATION PROVIDED BY CUSTOMER -SAMPLING SITE DETAILS					
Survey No.	Survey No. 221/1				
Village	Aryanad	Taluk	Nedumangad		
District	Thiruvananthapuram	State	Kerala		

TEST RESULTS- CHEMICAL DISCIPLINE					
SI. No. PARAMETERS TEST METHOD UNIT RESULT					
1	Colour	IS 3025 (Part 4): 2021	Hazen	1	
2	Odour	IS 3025 (Part 5): 2018		Agreeable	
3	Turbidity	IS 3025 (Part 10): 2023	NTU	1.8	





Remya B.
TM-Biological
Authorized Signatory

Laiju P.N.

**Laboratory Head** Authorized Signatory

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## **TEST REPORT**

ULR No: TC1293925000003705F			
LRI No.: SEAAL25022319A	Date: 28-02-2025	Page 2 of 2	

TEST RESULTS- CHEMICAL DISCIPLINE				
Sl. No.	PARAMETERS	TEST METHOD	UNIT	RESULT
4	рН	IS 3025 (Part 11): 2022		6.87
5	Conductivity	IS 3025 (Part 14): 2013	μS/cm	748
б	Total Dissolved Solids	IS 3025 (Part 16): 2023	mg/L	480
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21): 2009	mg/L	194
8	Calcium as Ca	IS 3025 (Part 40): 1991	mg/L	52.5
9	Magnesium as Mg	IS 3025 (Part 46): 2023	mg/L	13.9
10	Chloride as Cl	IS 3025 (Part 32): 1988	mg/L	152
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23): 2023	mg/L	90.3
12	Iron as Fe	IS 3025 (Part 53): 2003	mg/L	0.78
13	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24/Sec 1): 2022	mg/L	8.50

TEST RESULTS - BIOLOGICAL DISCIPLINE				
S1. No.	PARAMETERS	TEST METHOD	UNIT	RESULT
1	Total Coliform Bacteria	IS 15185 : 2016		Absent/100 ml
2	E.coli	IS 15185 : 2016		Absent/100 ml

Remarks:

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

Shency Joy TM - Chemical Checked by Standards Standards Standards

Remya B.
TM-Biological
Authorized Signatory

Laiju P.N.
Laboratory Head
Authorized Signatory

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#### **Result of Surface water**