

COMPLIANCE REPORT
APRIL 2023 – SEPTEMBER 2023

M/S DELTA AGGREGATES & SAND
PVT. LTD.
PATHANATHITTA DISTRICT
KERALA



DELTA AGGREGATES AND SAND PRIVATE LIMITED

NO. 423 E, CHITTAR.P.O, PATHANAMTHITTA - 689663, KERALA

Mob :- 9946109714, 9946109712

Email- deltaaggregatesandsand@gmail.com

CIN No. U14100KL2008PTC022221

Dt. 30-01-2024

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. 1773/EC1/2020/SEIAA

Ref :- EC identification number – EC22B001KL179504 Dt.11-10-2022

Sub :- Environment Clearance – Quarry project at Survey No. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanathitta District, Kerala – Compliance Report –FirstHalf - Reg.

Respected Sir,

The Quarry (Building stone) project was accorded Environmental Clearance for 3.7691Ha. by EC identification number –EC22B001KL179504Dt.11-10-2022 by State Environmental Impact Assessment Authority, Kerala. The compliance report of First half (April2023 – September2023) to the specific and general conditions of the Environment Clearance order is enclosed.

Thanking you,

Yours respectfully,

M/s Delta Aggregates & Sand Pvt. Ltd.



Copy to:-

The Member Secretary

State Environment Impact Assessment Authority (SEIAA),

Thiruvananthapuram, Kerala.

COMPLIANCE REPORT

TO

THE CONDITIONS

OF

ENVIRONMENTAL CLEARANCE ORDER

NO: 1773/EC1/2020/SEIAA

EC identification number – EC22B001KL179504

Dated: 11-10-2022

BY

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

FOR

BUILDING STONE QUARRY

(MINOR MINERAL MINING) PROJECT

AT

**Survey No. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk,
Pathanathitta District, Kerala**

BY

Quarry project of M/s Delta Aggregates & Sand Pvt. Ltd.

PATHANATHITTA DISTRICT

KERALA

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INTRODUCTION

The quarry project of Quarry project of **M/s Delta Aggregates & Sand Pvt. Ltd.** at Survey No. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanathitta District, Kerala

The quarry project was accorded with the Environmental Clearance (EC) by State Environmental Impact Assessment Authority on **11-10-2022**. As part of general condition No.48 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 **April 2023 – September 2023** is being submitted.

COMPLIANCE REPORT

(SPECIFIC CONDITIONS)

PART A

PART - A – SPECIFIC CONDITIONS

01	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.	Being complied
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The project proponent is being extracted minerals as per approved mining plan. The mining is started from Top to bottom by crating benches.

02	The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.	complied
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The Mining operation started only after the submission of mine lease at SEIAA, Kerala. The lease was executed in 18-05-2023. The copy of lease proceeding order and Lease deed is attached as Annexure.

03	Since the quarry site is located within a distance of 10km from Periyar Tiger Reserve, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.	Noted for compliance
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The Directorate of Mining and Geology resisted to issue mining lease order and execute the mining lease due to the above mentioned condition. The project proponent approached the Hon'ble High Court of Kerala. As per the judgement [WP(c) No.31422 of 2022 Dt. 05-12-2022,] the Directorate of Mining and Geology issued lease proceedings order and executed mining lease with Delta aggregates and sand Pvt. Ltd for mining of granite building stone. Therefore, the PP could start the mining operation

without obtaining Wildlife Clearance from Standing Committee of the National Board for Wildlife. The relevant pages of the order is attached as **Annexure No.1**.

04	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.	Noted for compliance
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The Directorate of Mining and Geology resisted to issue mining lease order and execute the mining lease due to the above mentioned condition. The project proponent approached the Hon'ble High Court of Kerala. As per the judgement [WP(c) No.31422 of 2022 Dt. 05-12-2022,] the Directorate of Mining and Geology issued lease proceedings order and executed mining lease with Delta aggregates and sand Pvt. Ltd for mining of granite building stone. Therefore, the PP could start the mining operation without obtaining Wildlife Clearance from Standing Committee of the National Board for Wildlife. The relevant pages of the order is attached as **Annexure No.1**.

05	Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report (HYCR).	Noted for compliance
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The Project proponent will monitor vibration due to blasting on the nearest houses and built structures in terms of Peak Particle Velocity and amplitude. The same will be incorporated in HYCR.

06	The entire road stretch should be developed with width not less than 8m prior to the commencement of mining.	Complied
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The project proponent has developed the entire stretch of the access road width to 8 meters before commencement of mining.

07	The proponent should strictly comply with the traffic plan submitted.	Noted for compliance
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The PP has been complying the traffic plan submitted in the project site.

08	The overburden location should be shifted to the lower level, outside the project boundary and it should be protected with gabion structure.	Complied
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The PP has been dumping the overburden and topsoil generated from the mine lease area at the out side the mine lease area. This has been protected by the construction of gabion structure.

09	Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain. Additional clarifiers should be provided to ensure that no polluted water reached the Kakkattar located about 500m from the project site.	Complied
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As part of storm water management, the project proponent has constructed garland drains, silt traps and drains connecting to the natural drain. The PP has provided additional clarifiers to prevent polluted water in to the *Kakkattar*.

10	The garland drain along with silt traps, siltation ponds and outflow channel. should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).	Noted for compliance
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The PP will clean the silt traps and siltation ponds periodically to avoid obstruction. The monsoon season is yet to come after the commencement of mining.

11	Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.	Being Complied
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The project proponent has started consultation to implement the CER activities. As part of install Solar panel and incinerator in the Primary Health Center, Perunad, the PP is intending to transfer Rs. 1,00,000 as part of its first installment.

12	The Green belt development in the buffer should commence prior to the commencement of mining in the first year of the project itself by giving preference indigenous plant species and it should be nurtured and maintained in subsequent years.	Being Complied
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The PP has planted various indigenous plant species as part of Green Belt Development in the buffer zone. The saplings planted in the mine lease area is being nurtured.

13	Compensatory afforestation should be done during the 1st year itself and the coordinates of the area should be provided along with HYCR.	Being Complied
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The Compensatory afforestation has been started by the project proponent. The geo coordinates of the area for Compensatory afforestation will be mentioned in the second Half yearly Compliance report.

14	A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Pathanamthitta and Director Mining and Geology. Department of Industries GOK, besides others for information and necessary	Noted for compliance
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	further action.	
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15	As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, 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 local self Govt. Institutions. 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 shall be made available to the concerned Panchayat for information and implementation support.	Being Complied
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The project proponent has started to implement CER activities. An EMP has prepared and submitted. A copy of the EMP has submitted at Local Self Government. The cost for CER is the 2% of project cost. The

16	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.	Complied
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The Project proponent has been using NONEL for blasting operation. The PP has been appointed qualified personal for supervision for carrying out blasting operations in the quarry project.

17	As per the directions contained in the OM F.No.22-34/2018-IA.III	Noted for
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	dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble 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.	compliance
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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 land will be restored to a condition which is fit for growth of fodder, flora, fauna etc. The compliance will be included in the half yearly compliance report.

18	The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.	Noted for compliance
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The PP has been implementing conditions stipulated in EC order.

COMPLIANCE REPORT

(GENERAL CONDITIONS)

PART B

PART – B – GENERAL CONDITIONS

01	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.	Complied
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An assurance in the form of affidavit was already submitted to SEIAA Kerala, stating that that all the conditions stipulated in the EC shall be scrupulously followed. The Copy of affidavit is attached as **Annexure No.2**.

02	All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.	Complied
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The PP has obtained Lease order, Lease deed, Environmental Clearance, Panchayat License, consent for operate from pollution control board and Explosive license. The copies of the same is attached as **Annexure No 3 & 8**.

03	The project proponent should advertise in newspapers that the project has been accorded. Environmental Clearance and copies of clearance letters are available in the Office of State Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.selaakerala.in . The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	complied
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An advertisement in two local daily newspapers (English and Malayalam) 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.9**. The details are given below in the table.

Details of advertisement in news paper

Sl. No	News paper	Language	Date of edition
01	The Hindu	English	18-10-2022
02	Mangalam	Malayalam	18-10-2022

04	The proponent shall send a copy of the EC 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 Environmental Clearance shall also be uploaded on the website of the company.	complied
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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. The EC order uploaded in the website of the company.

05	The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times.	complied
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As part of demarcation of mine lease area, the project proponent has erected barbed metal wire fencing around the mining area with height of 4 ft. This can prevent falling of animals/human being/dumping of garbage etc. in to the mine lease area.

06	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font 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.	complied
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The details of the Environmental Clearance are displayed in the project site. The project proponent has placed the metallic board as specified in the conditions of Environmental Clearance order

07	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided	complied
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As part of guidelines of competent authority and safety concern, the explosives are stored in magazine. The magazine is in an isolated place specified and approved by the explosives department.

08	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.	complied
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As per the stipulation of Explosive department, the project proponent has installed warning alarms in the quarry site. This is working properly before and after the blast.

09	Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.	complied
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To reduce emission of dust through the vehicle movement, the access road from the entrance of project site to quarry has tarred. The project proponent is being wet the approach road and haulage road to arrest the dust during summer season.

10	A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayath and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report.	complied
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To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project proponent has constituted an Environment Monitoring Cell. This cell concurrently monitors and evaluate the safeguard measures implemented in the project site.

11	Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC Rules 2015 and the Amendments thereby.	Being complied
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The project proponent is following approved mining plan for the extraction of building stones suggestions of SEAC will be incorporated.

12	The quarrying operation shall be restricted between 7 AM and 5 PM	complied
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The extraction of minerals and operations of quarry will be restricted between 7 AM and 5 PM.

13	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	being complied
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To conserve the rain water, the project proponent is being collect storm water in a pond located in the lowest area.

14	Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.	Being complied
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The depth of mining will be as per approved mining plan. The exploration will be as per the plan submitted before State Environment Impact Assessment Authority (SEIAA), Kerala. There will be no mining operations at places having a slope greater than 45°.

15	The height of any bench shall not exceed five meters and breadth shall not be less than the height	Being complied
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As part of safety and eco friendly mining, the quarrying activity in the project will be by creating benches of 5m width and 5m height. The mining has started its operation from 25th of September 2024.

16	The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are 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
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The project proponent ensured that no natural runoff of storm water obstructed due to any mining operations. No stream is originating from the lease area. There is no such natural water course or thodu is flowing along the project site.

17	A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.	complied
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The norms of Kerala State Pollution Control Board regarding the distance criteria of residences, roads, rivers and worship places is adhered by the project.

18	The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any, Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be ensured by the project proponent	Being complied
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The project proponent has started to plant various saplings in the project area as a compensation of loss of trees while the project is clearing the land for mining. The project proponent is intending to plant more number of native saplings in the project site.

19	The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad leaved plants.	complied
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The PP does not cut the trees located at buffer and additional tree saplings are being planted in the buffer zone.

20	Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent. This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan/specific conditions.	Will be complied
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The eco restoration plan prepared by the project proponent will be executed in a good manner. The project proponent will plant various saplings in and around the project site. The mine closure plan will be done at the own cost of project proponent as agreed in the proposal. OB will be used within the site of project proponent.

21	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific condition on reclamation of pit is stipulated in the EC Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Will be complied
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The project proponent will retain at least 10 percent of total excavated pit as rain water storage area after closure of the mine. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan,

the project will plant indigenous plant species that are eco – friendly on the reclaimed area.

22	Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	complied
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The major noise generating source from the mining activity are working machinery, drilling, blasting and plying of vehicles. The following control measures has undertaken to bringing down the noise levels:-

- Proper maintenance of machinery and equipment
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., ear plugs are provided to workers working in high noise areas.
- The mining activity held in day time only.
- Noise level at quarry site checked periodically.

23	Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 my to be conducted and records kept for inspection. This could also form a part of the compliance reports	Will be complied
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Vibration will be monitored periodically. A proper log book will be kept for inspection.

24	Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.	complied
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Speed of the trucks is limited to 25 Kmph to reduce the noise generated from transportation.

25	Acoustic enclosures should be 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 standard limit indicated by CPCB/KSPCB.	Noted
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Crusher is not proposed in the project site. Green belt will be developed around the mine lease area.

26	Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive safety organization (GOI) or any other concerned authorized agency. A licensed person should supervise control the blasting operations.	Complied
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The blasting is the crucial part of quarrying industry to explore the minor minerals. The blasting is done in controlled manner by using NONEL. All blasting activities are carrying out with the specified regulations of explosive department. Blasting and quarrying activities is under the supervision of qualified persons.

27	Measures should be taken for maintaining noise levels below 85 dBA in the work environment.	complied
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The main noise generating activities in the mining industries are the playing of jack hammer, breaker, vehicles and blasting operations. The project proponent has taken appropriate action to reduce the sound by employing possible measures like planting of floral species , green belt development, etc..

28	Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project.	Noted
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At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

29	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 compliance reports to SEIAA.	Will be complied
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There is no stream or springs flowing in and around to the mine lease area. The result of nearest water body will be incorporated in the Half Yearly Compliance Report.

30	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, and for green belt development etc. The drains shall be regularly desilted and maintained properly, particularly after monsoon.	Being complied
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The project proponent started to construct effective garland drains to catch all the storm water during the time of monsoon season. These channels will direct to the rain water collection pond. All sediments and silts will be settled at the bottom of the pond and only cleared water let out. The water from the pond will be used for splashing of water on roads to arrest the dust.

31	Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage if it is observed that ground water table is getting depleted due to the mining activity. necessary corrective measures shall be carried out.	Will be complied
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monitoring of ground water level and quality will be carried out around the mine area during mining operation regularly.

32	Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal	complied
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	and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.	
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The project proponent ensured that all storm water from the mining area is flowing in to the pond created at mining area. The project proponent will create garland drains where it is necessary in the lower slopes of the project area for storm water management.

33	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 the EC was issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority. In the case of transfer of ECs, the matter shall be intimated and get the approval from the Authority as per the existing norms.	Will be complied
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There is no plan for the expansion of project. In case of any change(s) in the scope of the project, the proponent will apply for fresh appraisal to get the Environmental Clearance.

34	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	complied
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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

35	The top soil, if any, shall be temporarily stored at earmarked place (5) and 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 20 and overall slope of the dumps shall be maintained at 45 The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geo textile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion flow of sediments during rains. The entire excavated area shall be backfilled.	complied
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In order to prevent the soil erosion, the top soil and overburden are stacked in a designated place within the project site. Only the topsoil will be used for plantation purposes. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place.

36	All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules Regulations.	Being complied
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All machineries working in the proposed quarry project is being regularly maintained by the PP.

37	All vehicles used for transportation and within the mines shall have PUC certificate from authorized pollution checking centre. Washing of all vehicles shall be inside the lease area.	complied
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As part of reduce air pollution, the project proponent will monitor the pollution level of all vehicles playing in the project site. This monitoring is being conducted only in authorized pollution checking center.

38	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high levels of PM ₁₀ and PM _{2.5} . Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.	complied
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To prevent dust emissions, the project proponent has installed sprinklers in critical areas to reduce the dust emission such as loading and unloading points, haul roads and transfer points. The water spraying has been carried out regularly to arrest the dust emission. The mobile sprinkler unit properly maintains.

39	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained.	complied
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To reduce the dust emission in critical areas such as loading and unloading points, haul roads and transfer points the project proponent splashes water.

40	Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment Impact Assessment Authority (SEIAA) along with year wise expenditure.	Being complied
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The PP will implement the activities committed under CER. The expenditure incurred for CER will be reported in the HYCR.

41	The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.	complied
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The PP is being implemented labour laws applicable for mining project.

42	The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.	Will be complied
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The PP will provide insurance protection to the workers during its operational phase.

43	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. The report of health surveillance programme should be included in the half yearly compliance reports.	Will be complied
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The project proponent will conduct an occupational health surveillance programme in association with Primary Health Center (PHC) of Kerala government for the labours working in mining area.

44	The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an eco friendly manner.	Noted
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There is no abandoned pit. At the end of mine a pit will be developed which can be used as water harvesting, aqua culture etc

45	If Government land is partly or fully used for mining, the area shall be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks.	Noted
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There is no Government land involved in the proposed mining project.

46	Any accident occurring in the mined out area after the lease period due to negligence in carrying out safety measures and non-closure, will lead to suspension of all EC obtained for mining by the Proponent.	Noted
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The PP will install safety fencing around the mined out area to prevent any untoward incidents.

47	In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.	Noted
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For transfer of EC , the PP will apply online Parvesh portal. At present there is no plan to transfer the EC.

48	The proponent shall submit Half Yearly Compliance Reports (1 st of June & 1 st of December) on the status of compliance of the stipulated EC 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 be simultaneously sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA) The proponent has to submit Environmental statement in form V of Environment (Protection) Rules 1986 to SPCB on 31 March every year.	being complied
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The compliance report is being submitted to the State Environmental Impact Assessment Authority, Kerala and the Regional Office of MoEF&CC, Bangalore as mail. The compliance report and the EC order is uploaded in the website of the company. The quarry project is not in operation due to lack of necessary approvals.

49	The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.	Will be complied
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The project proponent scrupulously follows the condition stipulated in the EC order and keeping all records with a good documentation system. The project proponent will extend all possible cooperation to the officers from regional office of MoEF & CC and can produce all data/information/reports when they are asking for the same.

50	The above conditions shall prevail notwithstanding anything to the	Will be
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	contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.	complied
--	--	-----------------

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

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

52	The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.	Noted
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53	The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.	Noted
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54	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.	Noted
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55	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.	Noted
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The project proponent has produced all factual data and no data concealed during the time of appraisal.

56	The SEIAA may revoke or suspend the order, for non implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter modify the above conditions or stipulate any further condition in the interest of environmental protection.	Noted
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The project proponent has been implementing conditions stipulated in this Environment Clearance order. The project can execute all possible measures in the project site for the conservation of environment.

57	As per regulation no. 106(2) of metalliferous mines regulation under Mine act, the height of any bench shall not exceed six meters and breadth shall not be less than the height.	Will be complied
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The height of any bench will not exceed six meters and breadth shall not be less than the height during its operational phase.

ANNEXURE

Annexure No.1



IN THE HIGH COURT OF KERALA AT ERNAKULAM

PRESENT

THE HONOURABLE MR. JUSTICE N. NAGARESH

MONDAY, THE 5TH DAY OF DECEMBER 2022 / 14TH AGRAHAYANA, 1944WP(C) NO. 31422 OF 2022PETITIONER

DELTA AGGREGATES & SANDS(P) LTD.
 CHITTAR P.O., PATHANAMTHITTA DISTRICT - 689 663
 REPRESENTED BY ITS MANAGING DIRECTOR, SRI. THOMAS PHILIP.
 BY ADVS.
 PHILIP J. VETTICKATTU
 SAJITHA GEORGE
 NEENU BERNATH

RESPONDENTS:

- 1 THE MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE
 INDIRA PARYAVARAN BHAWAN, JORBAGH ROAD, NEW DELHI - 110 003, REPRESENTED BY ITS SECRETARY.
- 2 STANDING COMMITTEE FOR NATIONAL BOARD FOR WILD LIFE
 MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE,
 INDIRA PARYAVARAN BHAWAN, JORBAGH ROAD, NEW DELHI - 110 003, REPRESENTED BY ITS MEMBER SECRETARY.
- 3 STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
 (SEIAA KERALA)
 4TH FLOOR, KSRTC BUS TERMINAL COMPLEX,
 TRIVANDRUM - 69 5001,
 REPRESENTED BY ITS MEMBER SECRETARY.
- 4 THE DIRECTOR OF MINING AND GEOLOGY DEPARTMENT
 GOVERNMENT OF KERALA, KESAVADASAPURAM, PATTOM P.O.,
 THIRUVANANTHAPURAM, PIN - 695 001.
- 5 THE CHIEF WILD LIFE WARDEN
 FOREST HEAD QUARTERS, VAZHUTHACAUD, THIRUVANANTHAPURAM -
 695 014.
- 6 STATE OF KERALA
 REPRESENTED BY THE CHIEF SECRETARY, SECRETARIAT,
 THIRUVANANTHAPURAM, PIN - 695 001.

BY ADV VISHNU JAYAPALAN - CGC
 SRI.T.P.SAJAN SPL.GP (FOREST)
 SRI. M.P.SREEKRISHNAN 9SC) - R3

THIS WRIT PETITION (CIVIL) HAVING COME UP FOR ADMISSION ON
 05.12.2022, THE COURT ON THE SAME DAY DELIVERED THE FOLLOWING:



WP(C) NO.31422 OF 2022

2

JUDGMENTDated this the 5th day of December, 2022

The petitioner is a grantee of Letter of Intent with respect to an extent of 3.7691 Hectares of land in Survey Nos.889/1-15-1 and 889/1-15 of Perunad Village, Ranni Taluk in Pathanamthitta District, for conducting quarrying operations.

2. The petitioners is aggrieved by condition No.4 imposed in the Environmental Clearance granted to him which requires that as the petitioner's quarry site is located within 10 Km. distance from Periyar Tiger Reserve, as per OM dated 08.08.2019 of MoEF & CC, clearance from the Standing Committee of the National Board for Wildlife is mandatory for starting quarry and that the petitioner-project proponent shall obtain a clearance from the Standing Committee of the National Board for Wildlife (SCNBWL) before starting any activity at site.



WP(C) NO.31422 OF 2022

16

beyond one Kilometer as proposed shall be maintained. The project of the petitioner is beyond one Kilometre and even beyond 2 Kms proposed ESZ Zone.

In view of the directions given by the Hon'ble Apex Court and following the judgment of this Court in W.P.(C) No.19710/2022, the writ petition is allowed to the extent of quashing General Condition No.4 of Ext.P2. There will be a direction to the respondents to consider the application for grant of mining lease to the petitioner without insisting for clearance from SCNBWL.

sd/-

N.NAGARESH
JUDGE

hnh

Court Order

April 2023 – September 2023

35

Annexure No.2

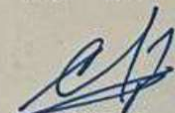
भारतीय गैर न्यायिक
एक सौ रुपये **Rs. 100**
रु. 100 **ONE HUNDRED RUPEES**
भारत INDIA
INDIA NON JUDICIAL

DM 601370

കേരളം KERALA **AFFIDAVIT**

I, Thomas Philip, aged 47, S/o Philip, Managing Director and Authorized signatory of M/s Delta Aggregates & Sanc Pvt. Ltd. having my correspondence office address at Chittar Post, Ranni Taluk, Pathanamthitta, Ranni, Kerala – 689 663, do hereby affirm and confirm as follows:-

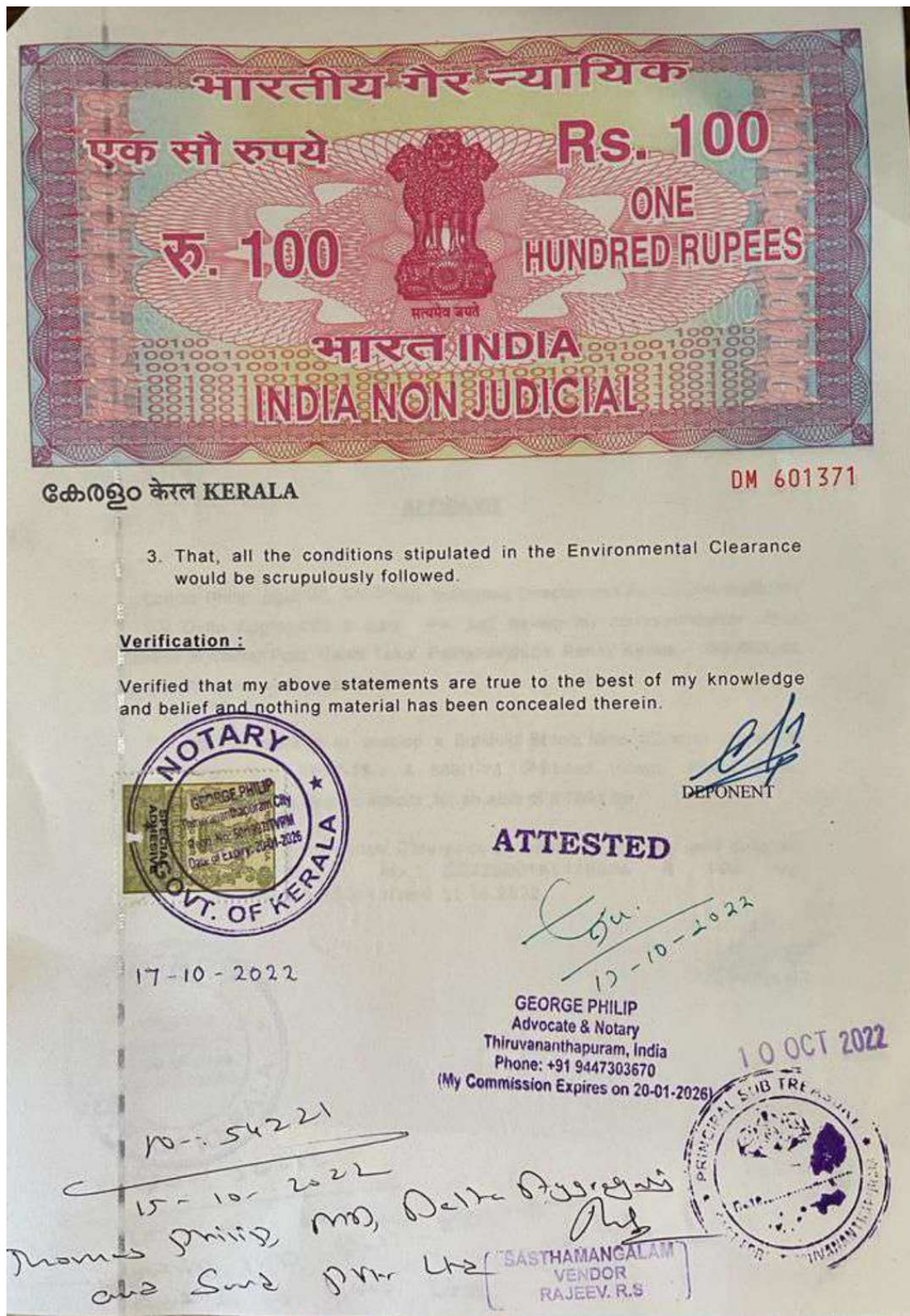
1. That, we propose to develop a Building Stone Mine (Quarry) project at Survey Nos. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala for an area of 3.7691 Ha.
2. That, the Environmental Clearance proceedings number and date are EC Identification No. EC22B001KL179504 & File No. 1773/EC1/2020/SEIAA dated 11.10.2022.


DEPONENT


 10-10-2022
 15-10-2022
 Thomas Philip, MD, Delta Aggregates
 and Sons Pvt. Ltd.



SASTHAMANGALAM
VENDOR
RAJEEV. R.S



Copy of Affidavit

Annexure No.3

DMG/615/2022-M2

936402/2023/FCS DMG

I/355730/2023

PROCEEDINGS OF THE DIRECTOR OF MINING & GEOLOGY, THIRUVANANTHAPURAM,
KERALA

(Present: Devidas. N IAS)

No.29/2023-24/DMG/615/2022-M2

Thiruvananthapuram 08-05-2023

Sub: Department of Mining and Geology - Mines & Minerals - Minor Mineral Granite (Building Stone)- Quarrying Lease to M/s.Delta Aggregates & Sand Pvt. Ltd., Chittar.P.O, Pathanamthitta District-689663 (Represented by its Managing Director Shri.Thomas Philip) sanctioned - orders - issued - reg.

- Read:*
1. Application dated 07.08.2019 from M/s.Delta Aggregates & Sand Pvt. Ltd., Chittar.P.O, Pathanamthitta
 2. Letter No.2024/DOPTA/M/19 dated 16.09.2019, 24.01.2023 from the Geologist, District Office, Pathanamthitta
 3. Letter of Intent No.8676/M3/2019 dated 09.01.2020 issued by Director of Mining and Geology
 4. Environmental clearance No.154/Q/2022, Dated 10.11.2022 vide proposal No.SIA/KL/MIN/163854/2020 by the State Environment Impact Assessment Authority, Kerala
 5. Integrated consent to operate No.KSPCB/PT/ICO/10014282/2023 dated 07.01.2023 issued by Kerala State Pollution Control Board Pathanamthitta (Valid up to 31.3.2027)
 6. Explosive License No.E/SC/KL/22/26(E11013) dated 12.01.2023 issued by Petroleum and Explosives Safety Organization (PESO), Ernakulam (valid till 31/03/2024)
 7. Dangerous and Offensive Trade License No. KLLSG-T-30/2023 dated 22.2.2023 issued by the Secretary Ranni Perunad Grama Panchayath (valid till 21.2.2028)
 8. Mines and Minerals (Development & Regulation) Act, 1957
 9. Kerala Minor Mineral Concession Rules, 2015
 - 10 Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules 2015
 - 11 Kerala Minor Mineral Concession (Amendment) Rules, 2023

ORDER

M/s.Delta Aggregates & Sand Pvt. Ltd., Chittar.P.O, Pathanamthitta District-689663 (Represented by its Managing Director Shri.Thomas Philip) submitted an application vide reference first cited to obtain quarrying lease to quarry Granite (Building Stone) over an area of 3.7691 Hectares of land (as per the survey map issued by Tahsildar, Ranni) comprised in survey Nos. 889/1-15-1, 889/1-15 of Perunad Village, Ranni Taluk, Pathanamthitta District. Vide letters referred 2nd above the District Geologist, Pathanamthitta has intimated that the applied area is virgin and there was no dues by way of royalty to be collected from the applicant.

Based on the merit of the application and the enclosed mandatory documents including survey map, possession certificates, demarcation certificate and land assignment certificate issued by Revenue Authorities and based on the recommendation of the District

DMG/615/2022-M2

936402/2023/FCS DMG

I/355730/2023

Geologist, a letter of intent was issued to the applicant vide reference cited 3 intimating the intention of the department to grant quarrying lease subject to production of approved mining plan and other statutory licenses. The District Geologist forwarded the mining plan (prepared by Shri.C.Thambu Cherian, Recognized Qualified Person-Reg. No.DMG/KERALA/RQP/17/2018) approved by him and other statutory licenses submitted by the applicant to this office. In the approved mining plan it is mentioned that during the life of the mine (07 years), mineable mineral reserve of 12,45,575.88 MT can be mined and it is proposed to mine as an average quantity of **177939.40** MT of granite (building stone) per year. Since the applicant has produced all statutory documents as per the Letter of Intent, it is decided to grant a quarrying lease in the said land and hence the following orders are issued.

A quarrying lease is hereby granted to M/s.Delta Aggregates & Sand Pvt. Ltd., Chittar.P.O, Pathanamthitta District-689 663 (Represented by its Managing Director Shri.Thomas Philip) to quarry Granite (Building Stone) over an area of 3.7691 Hectares of land (as per the survey map issued by Tahsildar, Ranni) comprised in Survey nos 889/1-15-1, 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District for 07 (Seven) years as per the Kerala Minor Mineral Concession Rules, 2015, subject to the conditions mentioned below.

1. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015 and the quarrying lease deed shall be registered in accordance with the provisions of the Indian Registration Act, 1908.
2. The lessee shall commence quarrying operation only after the deed is executed and registered.
3. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous written permission of the Director of Mining and Geology.
4. Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules.
5. Dead rent is realizable under 40(1) (d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
6. Surface rent realizable under 40(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.
7. The lessee shall also deposit an amount of Rs.37,691/- (Rupees thirty seven thousand six hundred and ninety one only) being the security deposit at the rate of Rs.10,000/- per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules.
8. The lessee shall produce financial guarantee for Rs.11,30,730/- (Rupees eleven lakh thirty thousand seven hundred and thirty only) as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
9. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the District Geologist periodically.
10. The lessee shall pay 10% of the amount of royalty as the case may be paid by them, being the District Mineral Foundation Trust Fund in addition to the royalty as per rule 63 of KMMC Rules, 2015.

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11. In addition to the royalty, rents, funds, fees etc. that are required to be remitted by the lessee as per the Mines and Minerals (Development and Regulation) Act, 1957 and Rules made thereunder, the lessee shall pay all other fees, rents, taxes etc. as required by other agencies including Goods and Service Tax (GST) for royalty.
12. The quarrying shall be carried out as per the conditions stipulated in Kerala Minor Mineral Concession Rules 2015 and storage and transportation of mineral shall be carried out as per Kerala Minerals (Prevention of Illegal Mining, Storage and Transportation) Rules 2015 and amendments made thereunder.
13. The quarrying operations shall be carried out strictly as per the approved mining plan and schemes of mining.
14. The lessee shall review the progressive quarry closure plan every five years from the date of opening of the quarry and shall submit to the competent authority for its approval. The lessee shall submit to the competent authority in this behalf an yearly report before 1st July of every year describing protective works including reclamation and rehabilitation work carried out as envisaged in the approved quarry closure plan and if there is any deviation, reasons thereof.
15. The lessee shall submit a scheme of mining for the next five years or remaining period of the lease to the competent authority for approval at least one hundred and twenty days before the expiry of the first five year period for which it was approved on the last occasion.
16. The lessee shall submit final quarry closure plan one year prior to the proposed closure of the quarry and close the quarry as per the approved quarry closure plan.
17. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the year-wise quantity specified in the approved Mining Plan and Scheme of mining.
18. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
19. The Lessee shall comply with any and all laws, ordinances, rules and orders related to quarrying operations of any and all governmental or quasi-governmental authorities.
20. The lessee shall comply with all the conditions mentioned in other statutory license required for carrying out quarrying operations.
21. The lessee shall stop all quarrying activities in the event of expiry of any other statutory licenses which is required for carrying out quarrying activities in the State as per the prevailing Acts and Rules. Any quarrying activity undertaken violating the above condition will be treated as illegal and lessee will be solely responsible for such act and lessee will be liable to pay the penalty imposed by any officer competent to enforce such Acts and Rules.
22. In case the lessee makes any breaches in the conditions of the lease deed or violates the conditions stipulated in relevant Act and Rules based on which all Statutory Licenses are issued for quarrying, then the lessee will be solely responsible for any such breaches and violation and in such cases, the lessee will be solely liable to pay such sum of money as fixed by competent authorities as due and penalty.
23. The Lessee shall indemnify and keep indemnified the State Government against all actions, proceedings, suits, claims, demands, losses, damages, costs, charges, and expenses incurred or suffered by them as a reason of any non-observance or non-performance of rules and regulations.
24. This lease is granted in good faith based on the documents/licenses submitted by the lessee. The lessee is solely responsible for the authenticity of the documents / licenses

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936402/2023/FCS DMG

I/355730/2023

submitted. At any stage, if it is observed that the documents submitted are incorrect or fake or forged or if it is found that some information was omitted or suppressed, then this lease is liable to be cancelled. In such an event the quarrying carried out with the strength of this lease will be treated as quarrying conducted without any lawful authority.

25. The lessee shall properly maintain the boundary pillars erected as per the demarcation certificate issued by the Village Officer till the expiry of lease.

26. The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 meter x 1.5 meters in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the lessee, mineral concession number and date, validity of concession, the name of the mineral quarried, proposed annual production etc. In addition details of other statutory licenses shall be displayed.

27. The lessee shall erect by the side of the road leading to quarry (preferably 100 m away from quarry), a warning board with danger sign regarding operation of the quarry and use of explosives.

28. The lessee should take effective preventive measures for the safety of labourers as well as the general public. In due course of quarrying, if any part of the quarry become unsafe, then the lessee shall properly fence that area for preventing accidents by falling of human beings, animals, vehicles, or any objects into the pit formed by the quarrying.

29. The lessee shall not carry out any quarrying operations within 7.5 meters from the boundary of the lease area and quarrying operations shall be carried out in benches.

30. The lessee shall send a notice in form D appended to KMMC Rules 2015 to the Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru - 560034 and to the District Magistrate concerned before commencing the quarrying operation and shall intimate the same to the District office of the Department of Mining and Geology concerned.

31. The lessee shall keep book of accounts of production and dispatch of granite (building stone) and shall file monthly and annual returns in Form F and Form G appended to KMMC Rules 2015.

32. The quarrying permit granted from the district office, if any, in the area of this quarrying lease hereby stands cancelled from the date of this order.

33. In this case, the anticipated royalty to be remitted for the mineral extracted per year at the present rate of royalty of Rs.48/- per metric ton with average annual production of **177939.40** metric ton is Rs.**85,41,091/-** (Rupees eighty five lakh forty one thousand and ninety one only). In this case, the surface rent to be remitted per year at the present rate of Rs.5 per Are per year is Rs.1885/- (Rupees one thousand eight hundred and eighty five only) and in the event of non - functioning of quarry the Dead Rent to be realized for the 1st year - NIL; 2nd year - Rs.600/- (Rupees six hundred only) and 3rd year onwards - Rs.2,400/- (Rupees two thousand and four hundred only) per hectare subject to revision from time to time. The terms and conditions stated in this order will be subject to such further modifications as may be made by the State Government from time to time.

Signed by
Devidas N. Ias

Devidas N. IAS
DIRECTOR

Date: 08-05-2023 12:09:12

To:

Copy of lease order

Annexure No.4

530/1/23 Pay Sheet I



കേരളം കേര KERALA

C 096430

Form H
(See Rule 43)
QUARRYING LEASE



This deed of lease made on this 18th day of May, 2023, between the Governor of Kerala (hereinafter referred to as the "State Government" which expression shall, where the context so admits be deemed to include his successors and assigns) of the one part and M/s. Delta Aggregates & Sand (Pvt) Ltd, Chittar.P.O, Pathanamthitta district -689663 (Represented by its Managing Director, Sri.Thomas Philip) (Adhar No: 566064645763)



Thomas Philip
Managing Director
Delta Aggregates & Sand Pvt Ltd

Geologist
District Office
Dept. of Mining & Geology
Pathanamthitta

No. 2077 500RS. Thomas Philip. Managing Director
05.05.2023 Delta Aggregates and Sand Pvt Ltd
Chittar.

Adoor Vendor
O. V. Varma

(2)

hereinafter called the "lessee/lessees" which expression shall where the context so admits, include his/their heirs, executors, administrators, representatives and permitted assigns) of the other part.

Witnesseth that in consideration of the rents and royalties and lessee/lessees covenants, hereinafter reserved and contained the State Government hereby give on lease to the lessee/lessees the land measuring **3.7691 hectares** described in the schedule hereunder and delineated on the plan hereto annexed and therein coloured red (hereinafter called the "said lands") to hold the same for a period of **07 (seven)** years commencing from the ~~18.05.2023~~ and ending on the ~~17.05.2030~~ for the purposes of extracting minor/minerals and subject to the terms and conditions contained in the Kerala Minor Mineral Concession Rules, 2015 (hereinafter referred to as "the Rules") and to the terms and conditions hereinafter appearing

1. The lessee/lessees shall have the right in and upon the said lands to extract Granite Building Stone (hereinafter called the said mineral/minerals) and to do all acts necessary for the extraction of the said mineral/minerals including the erection on the said lands, buildings and plant required for the purposes and also to take lead and carry away over the said lands and to dispose of the said minerals extracted as aforesaid.
2. The lessee/lessees shall during the subsistence of this lease have the liberty to work the said mineral/minerals and remove the same from the leasehold on permits issued by the State Government/competent authority or any other officer authorized by him in this regard. The permits shall be issued only on the basis of pre-paid royalty at the rates specified in Schedule I to these Rules. The royalty rates shall be subject to revision from time to time as the State Government may order.


Thomas Philip
Managing Director
Delta Aggregates & Sand Pvt Ltd


Geologist
District Office
Dept. of Mining & Geology
Pathanamthitta

Copy of Lease Deed

Annexure No.5



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority (SEIAA), Kerala)

To,

The Managing Director
 /S. DELTA AGGREGATES & SANDS PVT. LTD.
 Chittar Post, Ranni Taluk, Pathanamthitta -689663

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/KL/MIN/163854/2020 dated 25 Aug 2020. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22B001KL179504 |
| 2. File No. | 1773/EC1/2020/SEIAA |
| 3. Project Type | New |
| 4. Category | B2 |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Granite Building Stone quarry of M/s. Delta Aggregates & Sands Pvt. Ltd. |
| 7. Name of Company/Organization | /S. DELTA AGGREGATES & SANDS PVT. LTD. |
| 8. Location of Project | Kerala |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 11/10/2022

(e-signed)
 Dr. Venu V IAS
 Member Secretary
 SEIAA - (Kerala)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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

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

**Sub: SEIAA - Environmental Clearance for the Granite Building Stone Quarry
of Shri. Thomas Philip, Managing Director, M/s. Delta
Aggregates & Sand Private Limited, Chittar Post, Ranni Taluk,
Pathanamthitta District - Granted - Orders issued.**

State Level Environment Impact Assessment Authority, Kerala

Proposal No. SIA/KL/MIN/163854/2020

File No. 1773/EC1/2020/SEIAA

- Ref: 1.Application from Shri. Thomas Philip, Managing Director, M/s. Delta Aggregates & Sand Private Limited received on 24.07.2020
2. Minutes of the 127th SEAC meeting held on 28th to 30th April, 2022
3. Minutes of the 115th SEIAA meeting held on 30th June, 2022
4. Minutes of the 131st SEAC meeting held on 19th & 20th August, 2022
5. G.O(Rt.) No.29/2019/Env dt.12.04.2019.

ENVIRONMENTAL CLEARANCE NO. 154 /Q/2022

Shri. Thomas Philip, Managing Director, M/s. Delta Aggregates & Sand Private Limited, Chittar Post, Ranni Taluk, Pathanamthitta District - 689663, submitted an application for Environmental Clearance via PARIVESH on 24.07.2020 for the Granite Building Stone Quarry for an area of 3.7691 Ha in Survey. Nos. 889/1-15-1 & 889/1-15, in Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala. The project details are as follows:

SL.No.	Particulars	Details
1	Name of the Project	Granite Building Stone Quarry Project of M/s. Delta Aggregates & Sand Private Limited
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
4	Name & Address of the Project Proponent	Shri. Thomas Philip, Managing Director, M/s. Delta Aggregates & Sand Private Limited, Chittar Post, Ranni Taluk, Pathanamthitta District – 689663
5	Project Location	
	a) Survey Nos:	889/1-15-1 & 889/1-15
	b) Village	Perunad
	c) Taluk	Ranni
	d) District	Pathanamthitta
6	Geo Co-ordinates	Latitude 09°21' 03.51"N to 09°21'13.91"N Longitude 76°53'39.04"E to 76°53'48.24"E
7	Extent (in Hectare)	3.7691
8	Project Cost	523.75 Lakhs
9	Production Capacity	2,65,788.63 TPA (max)
10	Date of Field Inspection	14.07.2021

CER Details

CORPORATE ENVIRONMENTAL RESPONSIBILITY ACTIVITIES							
	Location Name	1st Year	2nd year	3rd Year	4th Year	5th Year	Total
1	Ranni- Perunad Grama Panchayath	6,50,000	5,00,000	15,000	15,000	20,000	12,00,000
2	Govt. UP School Madamon, Perunad	5,00,000	1,00,000	15,000	15,000	20,000	6,50,000
3	Primary Health Center, Perunad	1,00,000	5,00,000	30,000	30,000	40,000	7,00,000
	Total	Rs. 12,50,000	Rs. 11,00,000	Rs. 60,000	Rs. 60,000	Rs. 80,000	Rs. 25,50,000

2. In the 127th SEAC meeting held on 28th to 30th April, 2022, the Committee examined the documents submitted by the proponent and found them satisfactory and observed that the project site shares boundary with Harrison Malayalam Plantations. The distance from the nearest built structure is 215 m as per the Field Inspection Report. The Committee discussed the field inspection report and recommended EC with the project life of 7 years subject to the certain Specific Conditions in addition to the General Conditions.

3. In the 115th SEIAA meeting held on 30th June, 2022, the Authority decided to issue Environmental Clearance initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and then to extend the EC period to cover the project life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- (i) 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) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.
- (iii) Since the quarry site is located within a distance of 10km from Periyar Tiger Reserve, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.
- (iv) 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.
- (v) Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report (HYCR).
- (vi) The entire road stretch should be developed with width not less than 8m prior to the commencement of mining.
- (vii) The proponent should strictly comply with the traffic plan submitted.
- (viii) The overburden location should be shifted to the lower level, outside the project boundary and it should be protected with gabion structure.
- (ix) Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural

- drain. Additional clarifies should be provided to ensure that no polluted water reached the Kakkattar located about 500m from the project site.
- (x) The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).
 - (xi) Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
 - (xii) The Green belt development in the buffer should commence prior to the commencement of mining in the first year of the project itself by giving preference indigenous plant species and it should be nurtured and maintained in subsequent years.
 - (xiii) Compensatory afforestation should be done during the 1st year itself and the coordinates of the area should be provided along with HYCR.
 - (xiv) A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Pathanamthitta and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.
 - (xv) As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, 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 local self Govt. Institutions. 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 shall be made available to the concerned Panchayat for information and implementation support.

(xvi) 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.

(xvii) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble 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.

(xviii) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

4. In addition, the SEIAA directed the proponent to comply with the following additional directions.

1. The wild life movement (direct & indirect) in the impact zone of the project should be monitored scientifically with the support of Kerala Forest Research Institute and report submitted along with Half Yearly Compliance Report (HYCR)
2. If any wildlife movement is observed, adequate and appropriate environmental management measures may be taken after obtaining scientific advice from the Forest and Wildlife Department and the same should be intimated to the SEIAA.

5. **Environmental Clearance as per the EIA Notification, 2006 is hereby accorded for the Granite Building Stone Quarry of Shri. Thomas Philip, Managing Director, M/s. Delta Aggregates & Sand Private Limited, Chittar Post, Ranni Taluk, Pathanamthitta District – 689663, for an area of 3.7691 Ha in Survey. Nos. 889/1-15-1 & 889/1-15, in Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala initially for a period of 5 years for the quantity mentioned in the approved Mining Plan from the date of execution of valid permit / lease from the Mining & Geology Department and then to be**

extended to cover the Project Life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions, subject to the Specific Conditions in Para 3 & additional directions 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 this Proceedings as if incorporated herein. Also the General Conditions for projects stipulated for mining (items 1 to 57), mentioned below will be applicable and have to be strictly adhered to.

6. The Environmental 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. 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 initially for a period of **Five (5) years** from the date of execution of valid mine lease/permit from Mining & Geology Department as per SO 1807(E) dated 12.04.2022 of MoEF & CC, 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. The validity shall extend to cover the Project Life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

8. Compliance with 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. Instances of violation if any shall be reported to the District Collector, Pathanamthitta

9. The Half Yearly Compliance Report (HYCRs) with its contents, covering letter, compliance report and environmental monitoring data have to be uploaded in the PARIVESH portal and the website of the Project Proponent. The HYCR with the name of the project, EC No and date & the period of submission should be sent to the Regional Office of MoEF & CC & to SEIAA by email only at email ID rosz.bng-mefcc@gov.in & seacseiaakerala@gmail.com, respectively. Hardcopy of HYCRs shall not be acceptable.

10. The given address for correspondence with the authorised signatory of the project is Shri. Thomas Philip, Managing Director, M/s. Delta Aggregates & Sand Private Limited, Chittar Post, Ranni Taluk, Pathanamthitta District - 689663

GENERAL CONDITIONS

1. 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.
2. All the statutory clearances should be obtained, as applicable, by the project proponent from the respective competent authorities including that for blasting and storage of explosives. Copies of all statutory clearances shall be submitted along with First Half Yearly Compliance Report.
3. The project proponent should advertise in news papers that the project has been accorded Environmental Clearance and copies of clearance letters are available in the Office of State Environment Impact Assessment Authority (SEIAA) and on the website of the Authority at www.seiaakerala.in. The advertisement should be in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language. The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
4. The proponent shall send a copy of the EC 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 Environmental Clearance shall also be uploaded on the website of the company.

5. The lease area shall be fenced with barbed wire to a minimum height of 4ft around, before starting mining. All the boundary indicators (boards, markings, etc) shall be conspicuous and maintained at all times.
6. 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 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.
7. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department. Mats to reduce fly rock blasts to a maximum of 10 PPV should be provided.
8. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged stipulated by Explosive Department.
9. Access roads to the quarry shall be black topped to contain dust emissions that may arise during transportation of materials. The transportation of minerals should be done in covered trucks to contain dust emissions.
10. A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the chairmanship of a Senior Executive, who will report directly to the Head of the Organization. The Cell should have representative of Biodiversity Management Committee of the Panchayath and a representative of NGO, if any active in the area. The EMC should meet at least once in six months and review the activities and minutes should be a part of the compliance report.
11. Quarrying has to be carried out as per approved mining plan with the suggestions from SEAC incorporated and following KMMC rules 2015 and the Amendments thereby.
12. The quarrying operation (blasting) shall be restricted between 7 AM and 5PM

13. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Maximum depth of mining shall be as per the mining plan and as per specific direction of SEAC after field inspection. The maximum depth of mining should not be deeper than the local ground water table. No mining operations should be carried out at places having a slope greater than 45°.
15. The height of any bench shall not exceed five meters and breadth shall not be less than the height.
16. The Project proponent shall ensure that no perennial or intermittent natural water course and/or water resources are 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.
17. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.
18. The proponent should plant seedlings at least 5 times of the loss of trees that has occurred while clearing the land for the project and follow planting measures as suggested by SEAC. Suitable avenue trees should be planted along the sides of the approach road and internal roads and open parking areas, if any. Preference should be given to endemic native and fruit bearing species. Planting in buffer areas should be taken up beforehand. Proper upkeep and maintenance of planted seedlings shall be ensured by the project proponent.
19. The proponent should ensure that the vegetation in the buffer is retained, maintained and strengthened with additions of native broad leaved plants.
20. Eco-restoration including the closure of mine as per the progressive closure plan and final closure plan shall be done at the cost of the project proponent.

This eco-restoration should follow scientific standards available for restoration, full recovery of the original vegetation and improving the resilience of different ecosystems. Overburden materials should be managed within the site and used for reclamation of mined pit as per mine closure plan / specific conditions.

21. At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with suitable indigenous plant species, if no other specific condition on reclamation of pit is stipulated in the E.C. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
22. Control measures on noise and vibration prescribed by KSPCB should be implemented. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
23. Periodical monitoring of the vibration at specified location (preferably at a distance of 50 m and 100 m) to be conducted and records kept for inspection. This could also form a part of the compliance reports.
24. Speed of trucks entering or leaving the mine site is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.
25. Acoustic enclosures should be 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 standard limit indicated by CPCB/KSPCB.
26. Blasting should be done in a controlled manner using NONEL technique as specified by the regulations of Petroleum and explosive safety organization (GOI) or any other concerned authorized agency. A licensed person should supervise/ control the blasting operations.
27. Measures should be taken for maintaining noise levels below 85 dBA in the work environment.
28. Project proponent should obtain necessary prior permission of the competent authorities for drawing requisite quantity of surface water and ground water for the project.

29. 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 compliance reports to SEIAA.
30. 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, and for green belt development etc. The drains shall be regularly desilted and maintained properly, particularly after monsoon.
31. Regular monitoring of ground water level and quality shall be carried out around the mine area during mining operation. If any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
32. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.
33. 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 the E.C was issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority. In the case of transfer of ECs, the matter shall be intimated and get the approval from the Authority as per the existing norms.
34. The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
35. The top soil, if any, shall be temporarily stored at earmarked place (s) and

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 at 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geo textile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.

36. All the mining equipment used in Mining like backhoe loaders and excavators cause pollution and hence shall be serviced regularly & maintained for their efficient functioning and for reducing pollution. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
37. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution checking centre. Washing of all vehicles shall be inside the lease area. .
38. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points and transfer points and having high levels of PM₁₀ and PM_{2.5}. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.
39. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained.
40. Corporate Environmental Responsibilities (CER) as prescribed by SEIAA/SEAC should be carried out leading to Environmental stability of the Project region. The activities carried out under CER should be a part of the half yearly compliance report. The certificates from the beneficiaries, if the CER part is completed should also be submitted to the State Environment

- Impact Assessment Authority (SEIAA) along with year wise expenditure .
41. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.
 42. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
 43. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. The report of health surveillance programme should be included in the half yearly compliance reports.
 44. The pits in the abandoned quarries and in the mined area shall be used for activities like water harvesting, aqua culture etc. in an eco friendly manner.
 45. If Government land is partly or fully used for mining, the area shall be returned at the end of lease period after mine closure with separate demarcation with suitable survey marks.
 46. Any accident occurring in the mined out area after the lease period due to negligence in carrying out safety measures and non-closure , will lead to suspension of all EC obtained for mining by the Proponent.
 47. In case of transfer of EC the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.
 48. The proponent shall submit Half Yearly Compliance Reports (1st of June & 1st of December) on the status of compliance of the stipulated EC 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 be simultaneously sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA). The proponent has to submit Environmental statement

in form V of Environment (Protection) Rules 1986 to SPCB on 31st March every year.

49. The project authorities should extend full cooperation to the officer (s) from the Regional Office of MOEF & CC located at Bangalore/SEAC/SPCB/CPCB/dept of Mining and Geology, while monitoring compliance of the stipulated conditions, by furnishing the requisite data/information/monitoring reports.
50. 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.
51. 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.
52. The EC given will be withdrawn at any time if the area is declared high hazardous by the SDMA.
53. The Environmental Clearance will be subject to the final order of the courts on any pending litigation related to the land or project, in any court of law.
54. 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.
55. 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.
56. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or any of the above conditions. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.

Copy of Environmental Clearance

Annexure No.6



ലൈസൻസ് നമ്പർ : KLLSG-T-30/2023

തീയതി: 22-02-2023

റാന്നി പെരനാട് ഗ്രാമപഞ്ചായത്ത്

(1994 ലെ കേരള പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232, 233, 234, 254 എന്നീ വകുപ്പുകളും അവയ്ക്കുള്ള ഭേദഗതികളും തൽസംബന്ധമായ ചട്ടങ്ങളും ബൈലായും അനുസരിച്ച് നൽകുന്ന)

വ്യവസായ / ഫാക്ടറി / വ്യാപാര / സംരക്ഷകത്വ / മറ്റ് സേവനങ്ങൾക്കുള്ള
ലൈസൻസ്

ലൈസൻസിയുടെ പേരും മേൽവിലാസവും	Thomas Philip Cherupulichiyil Cherukulanji Vadasserikkara Cherukulanji B.O Pathanamthitta Kerala 689673,Cherukulanji B.O,Pathanamthitta,Kerala,689673	
സ്ഥാപനത്തിന്റെ പേരും , സ്ഥലനാമവും	Delta Aggregates and Sand Private Limited, 889/1-15-1,889/1-15,Ranni Perunad,Ranni	
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	Quarrying	
കെട്ടിടത്തിന്റെ നമ്പരം, വാർഡ് നമ്പരം	.,11	
ലൈസൻസ് കാലയളവ്	22-02-2023 മുതൽ 21-02-2028 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	രസീത് നമ്പർ	രൂപ
	67409	50000.00/-

സെക്രട്ടറി

റാന്നി പെരനാട് ഗ്രാമപഞ്ചായത്ത്



Copy of Panchayat license

Annexure No.7**FILE NO : KSPCB/PT/ICO/10014282/2023****Date of issue : 07-01-2023****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. : 10014282**Dated : 29-10-2022****To****DELTA AGGREGATES AND SAND PRIVATE LIMITED
CHITTAR P.O,PATHANAMTHITTA****Consent No. : KSPCB/PT/ICO/10014282/2023****Valid Upto : 31-03-2027**

1. GENERAL

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

1	VALIDITY	31-03-2027
2	Name and Address of the establishment	DELTA AGGREGATES AND SAND PRIVATE LIMITED CHITTAR P.O.PATHANAMTHITTA E-Mail : deltaaggregatesandsand@gmail.com Contact Number : 9946109711
3	Occupier Details	THOMAS PHILIP CHERUPULICHYIL,VADASSERIKKARA,CHERU KULANJI,PATHANAMTHITTA,689673 E-Mail : deltaaggregatesandsand@gmail.com Contact Number :
4	Local Body	PERINADU
5	Survey Number	889/1-15-1,889/1-15
6	Village	Perinadu
7	Taluk	Ranni
8	District	PATHANAMTHITTA
9	Capital Investment(Rs in Lakhs)	523.75
10	Scale	Medium
11	Category	RED
12	Annual fee(Rs)	51150.0
	Total Fee remitted(Rs)	332475.0
13	Activity	BUILDING STONE-656 Metric Tonnes/Day
14	Machinery details	machinery details compressor - 300 hp and 2 excavators

GENERAL CONDITIONS

1. This Consent is issued based on the Judgement dated 25-10-21 of the Honourable Supreme Court of India in CA no. 6273 of 2021 and connected matters, order dated 14-12-2021 of the Honourable Supreme Court in MA no. 1904 of 2021, Judgement dated 10-11-2021 of the Honourable High Court of Kerala in WP(C) 2773 of 2021 and Judgement dated 10-12-2021 of the Honourable High Court of Kerala in WP(C) 27178 of 2021.
2. This Consent is issued subject to any order passed by the Honourable Supreme Court, Honourable National Green Tribunal, Honourable High Court of Kerala in connected matters.
3. The consent unless withdrawn earlier and subject to condition no. 1 & 2 shall be valid up to 31/03/2027. For renewal of consent, application may be submitted online 2 months in advance of expiry of validity date.
4. Quarrying shall be done only within the area marked in the approved location plan attached. No change, deviation or alteration that may affect the environment, extent and location of quarry shall be made. Any change in particulars furnished in the application/the identity of the occupier/ authorized agent is to be intimated to the Board forthwith.
5. A minimum distance of 50 m shall be kept from the boundary of quarry area to residential buildings, places of worship, public buildings, public road having vehicular traffic, river or lake, railway line and bridges.
6. The applicant shall put up sign boards near the main entrance of the plant to display consent number & validity.
7. Suitable species of trees and curtain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.
8. Fencing shall be provided around the boundary of quarry and shall be maintained properly.
9. After completion of excavation at any site, the abandoned quarry shall be utilized for rain water harvesting with protective barriers/ any other suitable approved purpose or may be reclaimed as per specification.

10.Quarrying activity shall not be carried out during night hours.

11.PM10 in ambient air at the boundary of quarry shall not exceed 100 micrograms per cubic meter and PM2.5 in ambient air at the boundary shall not exceed 60 micrograms per cubic meter.

12.The Sound level (Leq) at 1m outside the boundary of the site shall not exceed the ambient noise standards applicable to the adjoining areas.

13.The consent issued from the Board shall be valid only for a period when all other statutory or necessary clearances from other concerned authorities are valid.

14.The applicant shall comply with the instructions that the Board may issue from time to time regarding the prevention and control of Air, Water, Land and Sound Pollution.

15.Regular wetting of the roads in the premises of the quarry and approach roads near the quarry shall be done for avoiding excessive dust emission within and outside the boundary of the unit

16.Products shall be transported with proper cover and/or after wetting to prevent spreading of dust.

Digitally signed by  Pravithamol T N
Date: 2023.01.07 15:44:17 IST

SIGNATURE OF ISSUING AUTHORITY

ASSISTANT ENVIRONMENTAL ENGINEER

Annexure No.8

अनुज्ञापि प्ररूप एल.ई.-3 | LICENCE FORM LE-3

(विस्फोटक नियम, 2008 की अनुसूची 4 के भाग 1 के अनुच्छेद 3(क) से (घ) देखिए।)

(See article 3(a) to (d) of Part 1 of Schedule IV of Explosives Rules, 2008)

(ग) उपयोग के लिए एक समय पर वर्ग 1, 2, 3, 4, 5 या वर्ग 7 के विस्फोटक या किसी मेगजीन में वर्ग 6 के विस्फोटक रखने के लिए अनुज्ञापि
Licence to possess : (c) for use, explosives of class 1, 2, 3, 4, 5, 6 or 7 in a magazine

अनुज्ञापि सं. (Licence No.): E/SC/KL/22/1772(E31371)

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

1. Licence is hereby granted to

Sri.Thomas Philip. M/s.Delta Aggregates and Sand Pvt.Ltd (अधिभोगी / Occupier : Thomas Philip), Chittar P.O.Pathanamthitta, Town/Village - Seethathadu, District-PATHANAMTHITTA, State-Kerala, Pincode - 689663



को अनुज्ञापि अनुदत्त की जाती है।

2. अनुज्ञापिधारी की प्राप्ति (Status of licensee : Company)

3. अनुज्ञापि निम्नलिखित प्रयोजनों के लिए विधिमाम्य है।

Licence is valid only for the following purpose.

possess for use of Nitrate Mixture, Safety Fuse, Detonators, - के उपयोग के लिए

4. अनुज्ञापि विस्फोटकों के निम्नलिखित किस्मों, प्रकार और मात्रा के लिए विधिमाम्य है।

Licence is valid for the following kinds and quantity of explosives: -- (क) (a)

क्र.	नाम और विवरण	वर्ग और प्रभाग	उप-प्रभाग	मात्रा किसी एक समय में
Sr. No.	Name and Description	Class & Division	Sub-division	Quantity at any one time
1.	Nitrate Mixture	2, 0	0	150 Kg.
2.	Safety Fuse	6, 1	0	3000 Mtrs
3.	Detonators	6, 3	0	>000 Nos.

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

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

20 times
as above.

5. निम्नलिखित रेखाचित्र (रेखाचित्रों) से अनुज्ञापि परिसर की पुष्टि होती है।

रेखाचित्र क्र. (Drawing No.) E/SC/KL/22/1772(E31371)

The licensed premises shall conform to the following drawing(s):

दिनांक (Dated) 06/11/2023

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

Survey No. 946/2, ग्राम (Town/Village) : Chittar Seethathodu, Ranni Taluk

पुलिस थाना (Police Station) : Seethathodu

जिला (District)

PATHANAMTHITTA

राज्य (State)

Kerala

पिनकोड (Pincode)

दूरभाष (Phone)

ई मेल (E-Mail)

फैक्स (Fax)

7. अनुज्ञापि परिसर में निम्नलिखित सुविधाएं अंतर्भूत हैं।

The licensed premises consist of following facilities.

1) Quarry at Survey. Nos. 889/1-15-1 & 889/1-15, in Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala 2) Quarry at Survey No. 946/2 pt at Chittar Village, Ranni Taluk, Pathanamthitta District, Kerala 3) Portable Explosives Magazines of T-1084 & G-620 type and D(676) fabricated by M/s. Thekkans Engineering

8. अनुज्ञापि समय - समय पर यथासंशोधित विस्फोटक अधिनियम, 1884 और उनके अधीन विरचित विस्फोटक नियम, 2004 के उपबंधों, शर्तों और अतिरिक्त शर्तों और निम्नलिखित उपाबंधों के अधीन रहते हुए अनुदत्त की जाती है।

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

1. उपर्युक्त क्रम सं. 5 में यथा कथित रेखाचित्र (स्थान, सन्निर्माण संबंधी और अन्य विवरण दर्शित करते हुए)।

Drawings (showing site, constructional and other details) as stated in serial No. 5 above.

2. अनुज्ञापि प्राधिकारी द्वारा हस्ताक्षरित इस अनुज्ञापि की शर्तों और अतिरिक्त शर्तों।

Conditions and Additional Conditions of this licence signed by the licensing authority.

3. दूरी प्ररूप DE-2 | Distance Form DE-2.

9. यह अनुज्ञापि तारीख 31 मार्च 2028 तक विधिमाम्य रहेगी। This licence shall remain valid till 31st day of March 2028.

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

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

तारीख | The Date - 06/11/2023

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

Amendments :

- Change in Authorized Signatory/Occupier/Partners/Directors dated : 06/11/2023
- Change in Postal Address dated : 06/11/2023
- Amendment in Drawings/Facilities/Premises dated : 06/11/2023
- Amendment of Quantity of Explosives/Monthly Purchase Limit dated : 06/11/2023

नवीनीकरण के पृष्ठांकन के लिए स्थान
Space for Endorsement of Renewal

नवीनीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature of licensing authority and stamp
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कानूनी चेतावनी : विस्फोटकों को गलत ढंग से चलाने या उनका दुरुपयोग विधि के अधीन गंभीर दंडिक अपराध होगा।
Statutory Warning : Mishandling and misuse of explosives shall constitute serious criminal offence under the law.

Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.

Digitally signed by Dr T L THANULINGAM
Reason: Licence No. : E/SC/KL/22/1772
Location: Chennai [E31371]
Date: 06-11-2023 16:08:54 PM



भारत सरकार | Government of India
वाणिज्य और उद्योग मंत्रालय | Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो) | Petroleum & Explosives Safety Organisation (PESO)
पूर्व नाम- विस्फोटक विभाग | Formerly- Department of Explosives
A और D - विंग, ब्लॉक 1-8, दूसरा तल, शास्त्री भवन | A & D - Wing, Block 1-8, IInd Floor, Shastri Bhavan
26 हड्डोउस रोड, नुंगम्बक्कम चेन्नै | 26 Haddous Road, Nungambakkam Chennai 600006
फोन (Phone):- 28281023 | फैक्स (Fax):- 28284848

संख्या (No.): E/SC/KL/22/1772(E31371)

दिनांक (Date): 06/11/2023

सेवा में | To,

Sri Thomas Philip, M/s Delta Aggregates and Sand Pvt.Ltd,
Chittar P.O Pathanamthitta, Town/Village - Seethathadu
District-PATHANAMTHITTA, State-Kerala, Pincode - 689663

विषय: Survey No.946/2, ग्राम Chittar Seethathodu,Ranni taluk, जिला PATHANAMTHITTA, राज्य Kerala में मेसर्स Sri.Thomas Philip, M/s.Delta Aggregates and Sand Pvt.Ltd द्वारा विस्फोटक के मैगजीन में उपयोग के लिए कब्जा हेतु विस्फोटक नियम, 2008 के अंतर्गत LE-3 में जारी अनुज्ञप्ति सं E/SC/KL/22/1772(E31371) के संशोधन संदर्भ में।
(विस्फोटक की मात्रा / मासिक खरीद सीमा में परिवर्तन डाक पते में परिवर्तन आरेखण / सुविधाएं / परिसर में परिवर्तन प्राधिकृत अधिकर्ता / अधिष्ठाता / Director में परिवर्तन)
Subject: Possession for Use of of Explosives from magazine situated at Survey No.:946/2, Chittar Seethathodu,Ranni taluk, Dist. PATHANAMTHITTA, Kerala -Licence No.: E/SC/KL/22/1772(E31371) granted in Form LE-3 of Explosives Rules, 2008 -
(Amendment of Quantity of Explosives/Monthly Purchase Limit Change in Postal Address Amendment in Drawings/Facilities/Premises Change in Authorized Signatory/Occupier/Director).

महोदय | Sir,

आपका उपर्युक्त विषय पर पत्र संख्या 101046 दिनांक 06/11/2023 का संदर्भ ग्रहण करें।
Please refer to your letter no. 101046 dated 06/11/2023.

अनुज्ञप्ति संख्या E/SC/KL/22/1772(E31371) 1) Quarry at Survey, Nos. 889/1-15-1 & 889/1-15, in Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala 2) quarry at: Survey No. 946/2 pt at Chittar Village, Ranni Taluk, Pathanamthitta District, Kerala 3) Portable Explosives Magazines of T-1084 & G-620 type and D(676) fabricated by M/s. Thekkans Engineering के संदर्भ में यथा संशोधित कर भेजी जा रही है।
The Licence No.: E/SC/KL/22/1772(E31371) is forwarded herewith duly amended in respect of followings :

1) Quarry at Survey, Nos. 889/1-15-1 & 889/1-15, in Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala 2) quarry at: Survey No. 946/2 pt at Chittar Village, Ranni Taluk, Pathanamthitta District, Kerala 3) Portable Explosives Magazines of T-1084 & G-620 type and D(676) fabricated by M/s. Thekkans Engineering.

लाइसेंस रिकॉर्ड में प्राधिकृत अधिकर्ता / अधिष्ठाता / Director के नाम इस प्रकार हैं।

The following are the names of the Authorized Signatory/Occupier/Director in the licence records.

क्र No	नाम Name
1)	Thomas Philip (Authorized Signatory)
2)	Thomas Philip (Occupier)
3)	Betsy Philip (Director)
4)	Raju Kadayattu Thomas (Director)

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

The licence capacity at any one time shall not exceed the kinds and quantities mentioned below :

संख्या No	विस्फोटक Explosive(s)	वर्ग Class	प्रभाग Div	उप-प्रभाग Sub Div	क्षमता Capacity	इकाई Unit
1	Nitrate Mixture	2	0	0	150	Kg.
2	Safety Fuse	6	1	0	3000	Mtrs
3	Detonators	6	3	0	5000	Nos.

किंवा एक कलेंडर मारा में खरीदे जाने वाले विस्फोटक की मात्रा (अनुच्छेद 3 (ख) और (ग) के अधीन अनुज्ञप्ति 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 2028 तक प्रवृत्त रहेगी।

This Licence shall remain valid till 31st day of March 2028.

अनुज्ञप्ति के आगामी नवीकरण हेतु कृपया विस्फोटक 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

(डा.टी.एल.थनुलिंगम | Dr. T. L. THANULINGAM)

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives

दक्षिणांचल, चेन्नै | South Circle, Chennai

प्रतिलिपि प्रेषित | Copy Forwarded to:

- उप मुख्य विस्फोटक नियंत्रक कोची
The Dy. Chief Controller of Explosives, Kochi
- District Magistrate, PATHANAMTHITTA, Kerala with reference to his Noc No: 1.B4-18202/2005/K.Dis. Dated: 10/06/2005
- Superintendent of Police, PATHANAMTHITTA, Kerala.

संयुक्त मुख्य विस्फोटक नियंत्रक | Joint Chief Controller of Explosives

Copy of Explosive

April 2023 – September 2023

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