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Validity expires on 21.07.2026

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

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

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

State Environment Impact Assessment Authority, Kerala

No.1261/EC2/2019/SEIAA

dated, Thiruvananthapuram 22.07.2021

- Ref: 1. Application received on 05.03.2019 from Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvananthapuram- 695572
2. Minutes of the 96th SEAC Meeting held on 26th & 27th April 2019
3. Minutes of the 97th SEAC Meeting held on 21st & 22nd May 2019.
4. Minutes of the 99th SEAC meeting held on 26th & 27th June, 2019.
5. Minutes of the 105th SEAC Meeting held on 28th & 29th October, 2019.
6. Minutes of the 106th SEAC meeting held on 28th, 29th & 30th November, 2019.
7. Minutes of the 107th SEAC meeting held on 24th December, 2019.
8. Minutes of the 101st SEIAA meeting held on 17th & 18th January 2020.
9. Minutes of the 110th SEIAA meeting held on 29th & 30th June, 2021.
10. G.O(Rt.) No.29/2019/Env dt.12.04.2019.

ENVIRONMENTAL CLEARANCE NO.30/Q/2021

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

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

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

2. The proposal was placed in the 107th SEAC meeting held on 24th December, 2019. The Committee decided to recommend for issuance of EC subject to the condition that the EC shall be granted after getting the certificate from the National Wildlife Board.

3. The proposal was placed in the 101st SEIAA meeting held on 17th & 18th January 2020. Authority noticed that Clearance from National Wild Life Board is required and the proponent had applied for the same. Authority decided to wait for the Clearance from the National Wild Life Board. In the meantime a petition was received from Sri.Shafiyulla Khan with a request for personal hearing on 13.01.2020 alleging misrepresentation of facts and possible environmental hazards in the locality if quarrying is permitted. The Authority forwarded the petition to the Director of Mining and Geology and District Collector, Trivandrum on 05.02.2020 for further enquiry and report.

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

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

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

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

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

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

4. The proposal was placed in the 110th SEIAA meeting held on 29th & 30th June, 2021. Authority decided to issue EC for an initial period of 5 years for the quantity mentioned in the approved mining plan subject to the Clearance from the National Board for Wild Life, subject to the following specific conditions in addition to the general conditions.

- 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. ***As the quarry site is located within 10 km radius of the Neyyar and Peppara Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC clearance from Standing Committee of the National Board for Wildlife is mandatory for starting a***

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

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

- vi. *As per the directions contained in the OM F.No.22-34/2018-LA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.*
- vii. *The EC period will be further extended to cover the project life as estimated by SEAC after a field inspection by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
- viii. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife Clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of Clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
- ix. *A copy of the EC shall be marked to IGF(WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Thiruvananthapuram and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*

5. Environmental Clearance as per the EIA Notification 2006 is hereby accorded for the granite building stone quarry project of Mr.Biju.V.T., R.S.Bhavan, Narangarakonam, Veeranakavu P.O., Thiruvananthapuram- 695572, in Re.Survey No. 222/1, Block No:47 in Aryanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 4.270 Ha for the quantity mentioned in the approved Mining Plan, for the project life of 5 years as estimated by SEAC, subject to the specific conditions in Para 4 above, and all the environmental impact mitigation and management measures undertaken by the project proponent in the Form I, EMP, PFR and Mining plan submitted to SEIAA. The assurances and clarifications given by the proponent will be deemed to be a part of these proceedings as

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

6. The Clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures as assured in the Environment Management Plan and the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions and the undertakings in (Mining), (Blasting), (Mines Drainage), (Stacking of Mineral rejects and Disposal of waste), (Environment Management Plan) & (Progressive Mine Closure Plan) of the Mining Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.

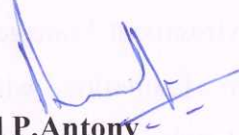
7. Validity of the Environmental Clearance will be five (5) years from the date of this Clearance, subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of EC in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry.

8. Compliance of the conditions herein will be monitored by the State Environment Impact Assessment Authority or its authorised offices and also by the Regional Office of the Ministry of Environment, Forest & Climate Change, Govt. of India, Bangalore. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.

9. Instances of violation if any shall be reported to the District Collector, Thiruvananthapuram

10. The Half Yearly Compliance Report (HYCRs) with its contents, covering letter, compliance report and environmental monitoring data have to be submitted in PDF format merged into a single document. The email should clearly mention the name of the project, EC No and date, period of submission and be sent to the Regional Office of MoEF & CC by email only at email ID rosz.bng-mefcc@gov.in . Hardcopy of HYCRs shall not be acceptable.

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


Anil P. Antony

**Administrator, SEIAA
For Member Secretary, SEIAA**

To,

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

Copy to,

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



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

1. A separate environmental management and monitoring cell with qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
2. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
3. Sprinklers shall be installed and used in the project site to contain dust emissions.
4. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
5. In view of the deep pits left after the excavation, stacking at maximum top level should be carried out.
6. Corporate Environment Responsibility agreed upon by the proponent should be implemented.
7. The project proponent shall comply the conditions stipulated by the statutory authorities concerned.
8. Tarring /multiple options on the access roads shall be undertaken so as to reduce dust pollution during movement of vehicle.
9. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions.
10. Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention in the mining plan/specific condition.
11. Ground level should be fixed in individual cases separately
12. No mining operations should be carried out at places having a slope greater than 45°.
13. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB. This condition is applicable only in such cases if a crusher is adjacent to the quarry.
14. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
15. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
16. The transportation of minerals should be done in covered trucks to contain dust emissions.
The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project. SEAC should assess the number of trees in each project site before the issuance of EC so as to ensure the promptness in planting.
17. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
18. A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.
19. 50 m buffer distance should be maintained from forest boundaries.
20. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
21. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
22. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.
23. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
24. The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

25. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
26. The Environmental Clearance shall be put on the website of the company by the proponent.
27. Proponent shall submit half yearly reports in soft copy and SEIAA will upload it on the website.
28. The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public
29. The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.
30. No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.
31. The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
32. The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45⁰. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.
33. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
34. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul Road, loading and unloading points and transfer points – it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
35. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
36. Measures should be taken for control of noise levels below 85 dBA in the work environment.
37. The funds earmarked for environmental protection measures and CER activate should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.
38. The Regional Office of MOEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.
39. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
40. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
41. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

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

Administrator, SEIAA

