



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

*(Present: Dr. H. Nagesh Prabhu IFS (Retd), Chairman, SEIAA, Sri. K. Krishna Panicker, Member, Dr. Rathan U. Khelkar, IAS, Member Secretary)*

**Sub: SEIAA- Environmental Clearance issued to Sri. P.K. Prasad for the Building Stone Quarry Project of at survey Nos. 396/1B2, 397/1-1, 396/1B2, 397/1-1, 397/1-1 in Varapetty Village & Panchayat, Kothamangalam Taluk, Ernakulam, Kerala- EC Revalidation Granted - Orders issued**

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### **STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

**No. 1103/EC/SEIAA/2020**

**Dated: 04.08.2023**

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Read :- 1. EC Proceedings No. 1103/EC/SEIAA/2020 dt. 27-02-2018.  
2. Request for revalidation dated 17/08/2021 of Sri. P.K. Prasad.  
3. Minutes of the 142<sup>nd</sup> SEAC meeting held on 11<sup>th</sup> to 12<sup>th</sup> May 2023.  
4. Minutes of the 128<sup>th</sup> SEIAA meeting held on 27<sup>th</sup> & 29<sup>th</sup> June 2023.  
5. G.O (Rt.) No.29/2019/Env't dt.12.04.2019.

### **ORDER**

Environment Clearance vide paper read (1) had been accorded for the Building Stone Quarry Project of Sri. P.K. Prasad at survey Nos. 396/1B2, 397/1-1, 396/1B2, 397/1-1, 397/1-1 in Varapetty Village & Panchayat, Kothamangalam Taluk, Ernakulam, Kerala for a period of five years.

2. The Project Proponent vide paper, read as 2<sup>nd</sup> above requested to revalidate his EC for considering project life as validity of EC with supporting documents, including satisfactory CCR from IRO, MoEF & CC, Bangalore.

3. After due appraisal & field verification the 142<sup>nd</sup> SEAC meeting, recommended revalidation of EC for a project period of 12 years from the date of the original EC *i.e.*, 27-02-2018 subject to certain additional Specific Conditions in addition to the Specific and General Conditions stipulated in the original EC.

4. In the 128<sup>th</sup> SEIAA meeting, the Authority decided to **revalidate EC initially for a period of 5 years and then extend the EC period to cover Project Life of 12 years, from the date of issuance of original EC i.e., 27.02.2018, for the quantity mentioned in the approved Mining Plan, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.** The EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. Buffer zones should be demarcated and planted with indigenous plants, climbers and herbs as mentioned in the biodiversity assessment report. The green belt so developed should be nurtured and strengthened regularly.
2. More number of avenue trees should be planted and nurtured.
3. Garland canal with silt traps, siltation pond, outflow channel and connectivity to natural drain should be provided considering the entire project area.
4. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.
5. The cleaning and desiltation of silt traps, siltation pond and outflow channel should be done periodically and the geo-tagged photographs of the process should be included in the HYCR.
6. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
7. The impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay once and included in the first Half Yearly Compliance Report.

8. Overburden should be stored at the designed place and retaining/protective wall should be provided for the topsoil and overburden storage.
9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
10. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.
11. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
12. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.
13. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office.
14. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) including the action taken report should be submitted along with the HYCR.
15. 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.
16. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
17. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for



information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

18. 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.

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

5. In this circumstance, the EC issued vide paper (1) read above is revalidated initially for a period of 5 years and then extend the EC period to cover Project Life of 12 years, from the date of issuance of original EC i.e., 27.02.2018, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the environment in the project region by violating any EC conditions. The District Geologist, Mining & Geology Department, Idukki has to re-estimate mineable reserve considering mineral blocked in benches and buffer zone and the proponent be allowed to mine out only the re-estimated mineable reserve. The EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the Additional Specific Conditions mentioned in Para 4 above.

6. The Half Yearly Compliance Report (HYCRs) with its contents, covering letter, compliance report and environmental monitoring data has to be uploaded in the PARIVESH portal and the website of the proponent. The HYCR mentioning the name of the project, EC No and date, period of submission are to be sent to the Regional

Office of MoEF & CC and to SEIAA Kerala by email ID [rosz.bng-mefcc@gov.in](mailto:rosz.bng-mefcc@gov.in) & [seacseiaakerala@gmail.com](mailto:seacseiaakerala@gmail.com), respectively. Hardcopy of HYCRs shall not be acceptable.



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

To,

Sri. P.K. Prasad,  
Parackal House,  
North Mazhuvanoor P.O,  
Ernakulam-686 669

Copy to:

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block, Koramangala, Bangalore-560034. (through e-mail: [rosz.bng-mefcc@gov.in](mailto:rosz.bng-mefcc@gov.in))
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala.
3. The Director, Directorate of Environment & Climate Change, 4<sup>th</sup> Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.
4. The District Collector, Ernakulam
5. The Director, Mining & Geology, Thiruvananthapuram -4.
6. The Member Secretary, Kerala State Pollution Control Board
7. The District Geologist, Ernakulam
8. The Tahsildar, Kothamangalam Taluk, Ernakulam
9. The Chairman, SEIAA.
10. Website.
11. S/f
12. O/c