



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

To,

The Owner

SILICA SAND QUARRY OF SMT S JAYASREE

Damodara Vilasam, Kuruppamkulangara post, Cherthala Taluk, Alapuzha District, Kerala -685539

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/45722/2019 dated 21 Sep 2020. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC24B001KL185865
2. File No.	1591/EC4/2020/SEIAA
3. Project Type	New
4. Category	B2
5. Project/Activity including Schedule No.	1(a) Mining of minerals
6. Name of Project	Silica Sand
7. Name of Company/Organization	SILICA SAND QUARRY OF SMT S JAYASREE
8. Location of Project	Kerala
9. TOR Date	03 Oct 2019

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

Date: 29/10/2024

(e-signed)
Dr Rathan U kelkar 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.

This is a computer generated cover page.





**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.Rathan U. Kelkar IAS, Member Secretary)*

**Sub:-SEIAA - Environmental Clearance for the Silica Sand mining Project of Smt. S. Jayasree, Damodara Vilasam, Kuruppamkulangara (P.O.), Cherthala, Alappuzha
- Granted – Orders issued.**

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

Proposal No. SIA/KL/MIN/45722/2019

File No. 1591/EC4/2020/SEIAA

- Ref:** 1. O.M.No.L-11011/47/2011-1AII (M) dated 24.06.2013 of the Ministry of Environment & Forests, Government of India.
2. Application received through PARIVESH on 21.09.2020 from Smt. S Jayasree.
3. Minutes of the 168th meeting of SEAC held on 8th, 9th, 10th & 20th July 2024.
4. Minutes of the 147th meeting of SEIAA held on 27th & 28th August 2024.

ENVIRONMENTAL CLEARANCE NO. 219/SS/2024

Smt. S. Jayasree, Damodara Vilasam, Kuruppamkulangara (P.O.), Cherthala, Alappuzha, vide reference cited 1st, submitted an application for Environmental Clearance for the mining of Silica Sand for an area of 0.9157 Ha. at Survey No. 58/11B1, 58/11B2, & 58/14, in Panavally Village, Cherthala Taluk, Alappuzha.

I. Project Details

SL. No.	Particulars	Details
1	Name of the Project	Silica Sand mining Project of Smt. S Jayasree
2	Proposed Activity	Mining of Silica Sand
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	Category B2, Schedule 1(a) Mining of Minerals
4	Name & Address of the Project Proponent	Smt. S. Jayasree, Damodara Vilasam, Kuruppamkulangara (P.O.), Cherthala Taluk, Alappuzha District- 685539
5	Project Location	
	a) Survey No.	58/11B1, 58/11B2, & 58/14
	b) Revenue Village &	Panavally
	c) Taluk	Cherthala
	d) District	Alappuzha
6	Extent (in Hectare)	0.9157
7	Project Cost	Rs.391.45 Lakh
8	Mineable Resource	The Mining & Geology Department shall re-assess the mineable quantity as per Specific Condition no.(3)

II) EMP Details

Sl. No.	Particulars	Total (Lakhs) (Recurring/Annual)
1.	Water Sprinkling for dust suppression	18.00
2.	Green belt development	5.50
3.	Compensatory afforestation	6.00
4.	Risk Management Plan	3.00
5.	Personal protective equipment	3.45
6.	Environmental monitoring	5.00

7.	Desilting and Maintenance of garland Drain, SST and RWHP	12.00
8.	Cost of construction of Garland drains, SST& RWHP	6.00
9.	Compensatory Land expenses and Miscellaneous	24.00
Total		82.95

III) CER Details

Infrastructure development at Primary Health Centre, Panavally			
Sl. No.	1 st Year	2 nd Year	3 rd Year
1.	Construction of Parking Lot Cost – Rs. 3,22,500	Roofing work for Yoga Practise area Cost - Rs. 1,28,000	Maintenance Estimated Cost - Rs. 10,000 per year.
2.	Construction of Playground cost- Rs. 1,60,000	Storage room with necessary items cost - Rs. 1,24,500 Construction of Compound wall cost - Rs. 2,10,000	Total - Rs. 30,000 for 3 years
Total	4,82,500	4,62,500	30,000
Grand Total	9,75,000		

2. After due appraisal, in the 168th meeting of SEAC, the Committee recommended EC for the mine life of 5 years subject to certain Specific Conditions in addition to the General Conditions.

3. In the 147th meeting SEIAA, the Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, the additional details/documents obtained from the Project Proponent and the field inspection report, and recommended EC for 5 years. **In these circumstances, the Authority decided to issue Environmental Clearance for the project life of 5 (Five) years, subject to the following Specific Conditions in addition to the General Conditions.**

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should*

strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit / lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. **The mining should be restricted to a maximum depth of 2 m below ground level, strictly maintaining a buffer of 15m between the project boundary and built structures. The mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.***
- 4. The excavation activity should not involve blasting.*
- 5. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area*
- 7. The excavated pit should be restored by the Project Proponent for agriculture and other useful purposes.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 11. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*

13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
18. *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 5.00 pm)*
19. *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.*
20. *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.*

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

4. Environmental Clearance, under Notification S.O. No.1533 (E) dated 14.09.2006 read with O.M. as first paper above of the Ministry of Environment & Forests, Government of India, is hereby accorded to Smt. S. Jayasree, Damodara Vilasam, Kuruppamkulangara (P.O.), Cherthala, Alappuzha, Kerala for the mining of Silica Sand from an area of 0.9157 Ha at Survey No. 58/11B1,58/11B2, & 58/14, in Panavally Village, Cherthala Taluk, Alappuzha for the quantity re-assessed by the Mining and Geology Department as per specific condition No.(3), for a period of Five (5) years from the date of issuance of mine permit from the Department of Mining and Geology as per S.O.1807 (E) dated.12.04.2022 of MoEF & CC, subject to the Specific Conditions suggested by SEIAA in Para 3 above in addition to the following General Conditions.

General Conditions

- 1. Proponent should obtain all necessary statutory clearances for mining.*
- 2. Appropriate fencing all around the burrowed/excavated pit shall be made to prevent any mishap.*
- 3. Proper retaining wall shall be provided for safeguarding the immediately adjacent property, other buildings and civil structures, if necessary.*
- 4. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation or as specified in mining plan.*
- 5. Mining shall be done as per mining plan and suggestions by SEAC.*
- 6. The excavation shall not alter the natural drainage pattern of the area.*
- 7. Appropriate measures shall be taken to prevent dust pollution, if any caused during clay mining.*
- 8. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to burrowing/excavation of ordinary clay.*
- 9. Provide 2m x 2m benches for mining depth greater than 3m to prevent slope failures, if requires. For soil and soft formation the benches of height 1.5m to 2m are to provided to prevent collapse of wall.*

- 10. Removal of clay should be restricted above the ground water table at the site.*
- 11. The top soil and over burden, if any shall be stacked in separate demarcated area and shall be used for reclaiming the excavated area. Proper measures shall be provided to prevent the erosion of the stacked material.*
- 12. The burrowed/excavated pit shall be restored by the project proponent for useful purpose(s) as specified in the mining plan.*
- 13. Measures shall be taken to prevent dust pollution, if any by covering of burrowed/excavated clay during transportation*
- 14. Applicable labour laws for mining shall be followed. Proper masks and onsite facilities shall be provided to the workers. All safety measures shall be followed while cutting laterite using machines.*
- 15. Mine has to be closed as per progressive mine closure plan and final mine closure plan.*
- 16. If EC period is more than 6 months, half yearly compliance report shall be submitted to SEIAA.*
- 17. The Environmental Clearance shall be liable to be cancelled in case of violation of any of the above conditions.*
- 18. The minimum distance norm from the boundary/periphery of other properties buildings/civil structures as prescribed in KMMC Rules and other statutory rules and orders shall be followed.*
- 19. Suitable indigenous plants should be planted around the mining area and sides of the haul road as green belt.*

5. 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 of the Mining Plan in (Mining), (Mines Drainage), (Stacking of Mineral rejects and Disposal of waste), (Environment Management Plan) & (Progressive Mine Closure Plan) as submitted will deemed to be part of this Proceedings as conditions as undertaken by the project proponent, as if incorporated herein.

6. Validity of the Environmental Clearance will be for **Five (5) years** subject to the review of EC in case of violation or non – compliance of any of the conditions or genuine complaints from residents within the security area of the quarry.

7. Violation of any of the above Specific & General Conditions as applicable to the particular case will entail cancellation of the Environmental Clearance, in addition to legal action under the provisions of the Environment (Protection) Act, 1986. Non-compliance, if any shall be reported to the **District Collector, Alappuzha** by the State Environment Impact Assessment Authority.

8. The Half Yearly Compliance Report (HYCRs) with name of the project, EC No. and date, the period of submission with its contents, compliance report and environmental monitoring data & covering letter have to be uploaded in the PARIVESH Portal as per O.M. F.No.IA3-22/1/2022-IA-III(E)-17264 dated 14.06.2022 and the website of the Project Proponent. Hardcopy of HYCRs shall not be acceptable.

9. The given address for correspondence of the Project Proponent is Sri. S. Jayasree, Damodara Vilasam, Kuruppamkulangara (P.O.), Cherthala, Alappuzha District-685539

To,

**Smt. S. Jayasree
Damodara Vilasam
Kuruppamkulangara (P.O.)
Cherthala Taluk
Alappuzha 685539**

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 District Collector, Alappuzha.
3. The Secretary to Government, Environment Department, Government of Kerala.
4. The Director, Directorate of Environment & Climate Change, Trivandrum
5. The Tahsildhar, Cherthala Taluk, Alappuzha.
6. The Director, Mining & Geology, Trivandrum
7. The Member Secretary, KSPCB, Thiruvananthapuram
8. The District Geologist, Alappuzha.
9. The Environmental Engineer, KSPCB, Alappuzha
10. The Secretary, Panavally Grama Panchayath, Alappuzha.
11. The Chairman, SEIAA
12. Stock File/Office Copy
13. Website