ENVIRONMENTAL STATEMENT

(Under Rule-14, Environmental protection Rules, 1986)

FORM -V

(2024-25)

For

SILICA SAND & MASONRY STONE MINING AND PROCESSING

Submitted by

M/s SHIVALIK SILICA

M.L No. 2/93

VILLAGE- AGAWALI, TEHSIL-BAYANA

DISTRICT-BHARATPUR, RAJASTHAN

BACKGROUND:

The first EC to our Mining Project was granted by MoEF in reference to the DMG letter no. NIDE/ANIKHA/PARYA/E.C./BHARATPUR/P-22/05/652 dated 04.07.2006. Subsequently, The EC for the project was obtained vide letter no F1(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.B1 (20980)2021-2022 on 20.10.2022. Under the Statutory Compliance at item No. B/26. which states- "The PP shall submit an environmental statement for the financial year ending 31st March in Form-V as prescribed under the environment (Protection) Rules, 1986, as amended subsequently on or before the 30th day of September every year, to the Rajasthan State Pollution Control Board/SEIAA and shall also be put on the website of the company/ unit/ industry along with the status of compliance of environmental clearance conditions and shall also be sent to the Lucknow/Jaipur Regional offices of MOEF/SEIAA/ RSPCB by e-mail as well as hard copy duly signed by competent person of company'.

In compliance with the above, the work of Environmental Statement for Shivalik Silica mine located in village Agawali of Bayana Tehsil of Bharatpur district covering an area of 49.56 Ha for mineral Silica Sand and Masonry Stone is being prepared for the period ending 31st March 2025.

DESCRIPTION OF THE MINING PROJECT:

Mining Lease (ML) was originally granted on 12.11.1973. later M.L. 2/93 (Old M.L. No. 1/73) was transferred in the name of M/s Shivalik Silica, a partnership firm w.e.f. 21.02.2008 Environmental Clearance (EC) was granted on 20.10.2022 vide letter no.-1(4) /SEIAA/SEAC-Raj/Sectt/Project/ Cat.B1(20980)2021-2022 to the proposed Project Activity i.e. For inclusion of Masonry Stone (Minor Mineral) and expansion of Production Capacity from 203400 TPA to 8223332 TPA (ROM) & Processing of Mineral (Processing Includes Crushing of Mineral Silica Sand and Masonry Stone Including Waste, its further Processing in Mineral Processing Plant through Sizing, Grinding, Washing and Beneficiation etc.) to Manufacture Various Products at M.L. No. 2/93, Area 49.56 ha., N/v- Agawali, Tehsil-Bayana, District-Bharatpur (Rajasthan).

CTE for expanded capacity and new mineral addition was granted on 19.10.2023 vide File no.-F(Mines)/Bharatpur(Bayana)/20(1)/2016-2017/4724-4728 and CTO for mining issued by RSPCB on 29.01.2024 vide file no. - F (Mines)/Bharatpur (Bayana)/20(1)/2016-2017/6780-6784 and order no- 2023-2024/Mines/11065.

However separate CTO (as per RSPCB directives), for mineral processing is awaited in want of sectorial guidelines for Stone Crushers which is being prepared by NEERI/CPCB.

The rider agreement for Masonry stone was executed on 30.05.2024 and registered.

ENVIRONMENTAL SCENARIO:

Shivalik silica has been carrying out Environmental monitoring of the area through their in-house team and by engaging consultants. The monitoring is carried out regularly by collecting samples for ambient air, water, soil and noise quality.

Groundwater level in the lease and surrounding area is monitored by taking measurements at earmarked dug wells on periodic intervals.

FORM–V

(See Rule 14)

PART-A	
(i) Name and address of the owner/occupier of the industry operation or process.	**Mr. Yogeshh Mittal** S/o Om Prakash Mittal, FLAT NO 1601, TOWER 1, SPR IMPERIAL ESTATE, SECTOR 82, Kheri Kalan (113), Faridabad, Haryana - 121002
(ii) Industry Category primary-(STC Code) Secondary-(SIC Code)	**B1- Mining of Minerals** **1(a)- Mining of Mineral activity and Schedule** **2(b)- Mineral Beneficiation**
(iii) Production Capacity Units.	**82,23,332 TPA**
(iv) Year of Establishment.	**Mining lease was granted in the year 1974**
(v) Date of the last environmental statement submitted.	**27 September 2024**

PART-B

I. WATER AND RAW MATERIAL CONSUMPTION:

(i) Water consumption breakdown for different activities *

Dust Suppression	72 KLD
Mineral processing	9 KLD
Plantation for Green belt	9 KLD
Domestic usages & drinking etc.	5 KLD
Total	**95 KLD**

* The quantity of water consumption is as per the Environmental Clearance (EC) approved on 20.10.2022 vide letter no. 1(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.B1(20980)/2021-2022, for water consumption, permission from the CGWB has been obtained on 30.01.2024 to withdraw 95 KLD of water, vide CGWB NOC No. CGWA/NOC/MIN/REN/1/2024/8977.

Consent to Operate (CTO) has also been granted vide letter no. F(Mines)/Bharatpur(Bayana)/20(1)/2016-2017/6780-6784 dated 29.01.2024.

Name of products	**Process water consumption per unit of product output**	
Silica Sand	During the previous financial year	During the current financial year
1	2	3
(1)	At present, the Mineral (Silica Sand) washing plant is not in operation, as the quality excavated presently is directly salable, hence there is no use of water in mineral processing. However, as per the exploration carried out in the lease area washing will be added in beneficiation process at some later stage.	
(2)		

II. RAW MATERIAL CONSUMPTION:

Name of raw material	Name of products	Consumption of Raw material per unit of output	
	Silica sand	During the preceding financial year (2023-24) (Production- 2,02,500 Tonnes)	During last financial year (2024-25) (Production- 2,99,000 Tonnes)
Explosive		397 gm / Ton	302.87 gm / Ton
Diesel		400 ml/Ton	403.78 ml/Ton
Lubricant		0.24 ml/Ton	0.25 ml/Ton
Grease		0.17 gram/Ton	0.19 gram/Ton

PART-C

Pollution discharged to environment/ unit of output

(Parameter as specified in the consent issued)

Pollution	Quantity of pollutants Discharged (mass/ day)	Concentration of pollutants in discharges	Percentage of variation from prescribed standards
		(mass/ volume)	with reasons
(a) Water	There is no generation of waste water from the process or Mining, hence no water discharge in the environment. However, there is waste water generation from the toilets 5 KLD, which is disposed via septic tank and soak pits.		
(b) Air	$PM_{2.5}$ & PM_{10} = 60 kg/day	$PM_{2.5}$ 42M^3 PM_{10} 78M^3	Parameters always found within prescribed limits.

PART-D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

(Parameter as specified in the consent issued)

Hazardous Wastes	Total Quantity (Kg)	
(a) From process There is no Hazardous Wastes generation on the operation. There is no spent Oil generation from HEMM and other Mine machinery at the mine site as these are serviced at the authorized Service station which is more than 40 Km or More from the mine site.	During the previous financial year Nil	During the current financial year Nil
(b) From pollution control facilities	Nil (As per above)	Nil (As per above)

PART-E

Solid Wastes

	Total Quantity (Kg)	
	During the previous financial year	**During the current financial year**
(a) From process	The solid waste generated incidental to mining of Silica Sand is Masonry stone which is also salable. Now in the current EC the Masonry stone is also a salable Product. Hence there is no solid waste after inclusion of Masonry stone in the Mining Lease, there is no solid waste in the F.Y	**No solid waste generated during the financial year**
(b) From pollution control facility	Nil	Nil
(c) 1) Quantity recycled or re-utilized within the unit	Some Solid waste is used for the extension of new Haul roads or Maintenance of the haul roads.	
2) Sold	Nil	Nil
3) Disposed	Nil	Nil

PART- F

Please specify the characterization (in terms of composition and Quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.

Hazardous Waste- There is no Hazardous Wastes generation on the operation. There is no spent Oil generation from HEMM and other Mine machinery at the mine site as these are serviced at the authorized Service station which is far more than 40 Km or More from the mine site.

Solid Waste- There is no solid waste which has to be stacked as waste in the Mining Lease area in the reporting year

PART- G

Impact of the pollution abatement measures taken on conservation of natural resources, and on the cost of production-

The impact of pollution abatement measures is positive, the Parameters are within the prescribed limits, therefore, the natural resources such as water, air , are either improving or at least there is no adverse impact. There is definitely a positive impact on the cost of Production by the pollution abatement measures in terms of Health safety not only for the mine workers but for the habitants of the nearby villagers besides, low maintenance cost of HEMM and other mine machinery and equipment.

PART- H
Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution- At present we are operating on the earlier Production capacity of 203000 TPA Silica Sand and 138,000 Masonry Stone as waste, however, as the Mineral Masonry stone is included in the Mining Lease, we shall implement the Expansion for which Fresh EC has already been obtained. We will execute comprehensive measures for environmental protection, pollution abatement, and prevention, as outlined in the Environmental Impact Assessment EIA.

PART- I
Any other particulars for improving the quality of the environment.
All measures for environmental protection abatement of pollution, prevention of pollution as proposed/envisaged in the EIA. **M/s Shivalik Silica** has formulated an Environment Policy and constituted an Environmental Management Cell and committed to operate the proposed mine with the objectives mentioned in approved Environment Policy.

M/s Shivalik Silica
B.N. Chaudhary
(Mines Manager)

SHIVALIK SILICA
Partner

M/s SHIVALIK SILICA
Yogeshh Mittal
(Partner)
[redacted]