

Project: Feldspar Mine  
Owner: M/s Shekhawati Mines & Minerals

**Appendix – I**

**Form – 1**

**BASIC INFORMATION**

**FELDSPAR MINING PROJECT**

**VILLAGE MAINPURA, TEHSIL UDAIPURWATI, DISTRICT JHUNJHUNU, RAJSTHAN**

**AREA: 4.506 HECT (NON FOREST LAND)**

**ML: 55/05**

**PROPOSED**

**PRODUCTION CAPACITY: 50,000 TPA**

**PROJECT PROPONENT**

**M/S SHEKHAWATI MINES & MINERALS**

**P-2, PRATAP NAGAR, CHURU ROAD**

**TEHSIL- JHUNJHUNU**

**DISTRICT – JHUNJHUNU**

**STATE- RAJASTHAN**

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

**Form - I**

**APPENDIX I**

(See paragraph – 6)

**I. Basic Information**

S. No.	Item	Details
1.	Name of Project	Feldspar Mining Project Near Village Mainpura , Tehsil Udaipurwati, District Jhunjhunu , Rajasthan M.L. NO. 55/05
2.	Serial no. in the schedule	1 (A)
3.	Proposed capacity	50,000 TPA of Quartz & Feldspar
4.	New expansion / Modernization	Enhancement
5.	Existing capacity / Area etc.	5,000 TPA
6.	Category of project	B 2
7.	Does it attract general condition? If yes, please specify.	No
8.	Does it attract specific condition?	No
9.	Location	Lease area 4.5068 ha is near village Mainpura, Tehsil Udaipurwati, District Jhunjhunu, Rajasthan.
10.	Nearest Railway station Nearest Airport	Maonda ( NW Railway) 30 KM Jaipur
11.	Nearest Town city, District HQ along with distance, in km	Guda ( 8 km) Jhunjhunu (Dist HQ) 48 km
12.	Village Panchayat, Zila Parishad, local body	Village Pancayat Mainpura Zilla Parishad Jhunjhunu
13.	Name of Applicant	M/s Shekhawati Mines & Minerals
14.	Registered Address	_____ Near Village Mainpura Tehsil - Udaipurwati District – Jhunjhunu, Rajasthan
15.	Address of correspondence	M/s Shekhawati Mines & Minerals P-2, Pratap Nagar, Churu Road, District- Jhunjhunu, Rajasthan
16.	Details of alternative site examined, if any	Not considered\It is a site specific project mineral mining project
17.	Interlinked projects	No
18.	Whether separate application for interlinked project has been submitted	Not Required

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

19.	If yes, date of submission	N.A.
20.	If no, reason	There is no interlinked Project.
21.	Whether proposal involves approval / clearance. If yes, details of the same and their status.	N A
22.	Whether there is any Govt. order / policy relevant / relating to the site (a) Forest Conservation Act 1980? (b) Wildlife Protection Act 1972? (c) CR2 Notification 1991?	NO N A NA NA
23.	Forest land involved (ha)	No
24.	Whether there is any litigation pending against the project and / or land in which the project is to be set up. a. Name of the court b. Case No. c. Order / decision of the court, if any and its relevance with the proposed project	No cases are pending either against the project or project proponent in any court NA NA NA

Project: Feldspar Mine  
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**(II) Activity**

**1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)**

S.No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	The Mining activity shall change land form of the project area to some extent. Project area in due cause shall be changed into a water reservoir at the end of life of mines. Out of 4.506 hectare project area 2.20 hectare shall be converted into a water reservoir
1.2	Clearance of existing land, vegetation and buildings?	No	The project is situated in desertic sand dune country devoid of vegetation. There is no building existing within project which requires clearance. Mining operations will be carried out within project area to win mineral
1.3	Creation of new land uses?	No	At the end of life of mines 2.20 Hectare area will be converted into a water reservoir.
1.4	Pre-construction investigations e.g. Bore house, soil testing?	No	The area is part of existing mining project and the mineral potential is fully identified.
1.5	Construction works?	Yes	A Small office and rest shelter are already constructed.
1.6	Demolition works?	No	No demolition of any existing structure is proposed.
1.7	Temporary sites used for construction works or housing of construction workers?	No	No temporary shelters shall be required to be erected.

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Above ground building structures like office, rest shelters have been created.
1.9	Underground works including mining or tunneling?	No	No underground structures are in place nor shall be constructed in due course of time.
1.10	Reclamation works?	No	At the end of next five years excavated area shall acquire dimension of (1) 100x 80x 10 m <sup>3</sup> (2) 80x 50x 10 m <sup>3</sup> Part of the pit may be back filled.
1.11	Dredging?	No	No dredging
1.12	Offshore structures?	No	This an inland Project
1.13	Production and manufacturing processes?	Yes	The area of mining project covers 4.5068 ha non forest land. 1.45 Mining Shall be done manually/ semi mechanized soil and overburden shall be removed by small excavator with the help of tractor trolley. The mining shall be carried out by hand tools like crowbar hammers and Picks. 1. Mining & Quarrying 1.45 2. Storage for top soil ..... 3. o/B Dumps 0.30 4. Mineral Storage 0.10 Total 1.85
1.14	Facilities for storage of goods or materials?	No	Small Partion 0.10 hactare shall be used for storage of mineral produce.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No liquid and solid waste shall be generated and do not required any treatment or Disposal
1.16	Facilities for long term housing of operational workers?	No	A rest shelter shall be created within mining lease area. No long term housing is envisaged.
1.17	New road, rail or sea traffic during construction or operation?	No	No new road rail or sea traffic shall be created due to this project

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	No alteration of existing road rail air water transport infrastructure
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No diversion
1.20	New or diverted transmission lines or pipelines?	No	No diversion
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No impounding or diversion of water courses or to hydrology of the area
1.22	Stream crossings?	No	No crossing of streams
1.23	Abstraction or transfers of water form ground or surface waters?	No	No obstructions or transfer of water.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No change foreseen
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	No construction activity in next five years no transport of man material is envisages
1.26	Long-term dismantling or decommissioning or restoration works?	No	No dismantling of existing structure shall take place
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	No decommission of any kind
1.28	Influx of people to an area in either temporarily or permanently?	No	No influx of workers
1.29	Introduction of alien species?	No	No induction of any alien species envisages
1.30	Loss of native species or genetic diversity?	No	No loss of native species
1.31	Any other actions?	No	No any other action is warranted

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
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2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S.No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	The project is on private land. No further effect shall take place on undeveloped / agriculture land in and around the area.
2.2	Water (expected source & competing users) unit: KLD	Yes	The Project land extending 0.40 hectare is already being worked. Extension beyond already occupied 1 hectare is out of consideration 10 KLD water shall be used and no augmentation in the quantity is envisaged. Water requirement shall be met from nearby sources which will little impact on ground water regime of the area.
2.3	Minerals (MT)	No	No minerals shall be required for construction of project.
2.4	Construction material – stone, aggregates, and / soil (expected source – MT)	No	No construction material shall be required for next 5 / 10 years.
*2.5	Forests and timber (source – MT)	No	No forest produce is currently consumed and shall be required in distant future.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	Energy including electricity and fuels are available.
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources are required in the project and therefore will not be produced.

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	No hazardous substances are used for excavation. As such use of substance or materials which are hazardous are precluded in current and future mine working.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Proper precaution to maintain hygienic conditions shall be continued to be practiced thereby precluding occurrence of disease or which affect disease vectors.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Direct or indirect employment due to continued mining operations shall affect living conditions in positive manner.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	There won't be Such impact due to project activity.
3.5	Any other causes	No	Any other causes which may affect use, storage, handling and transport of material are remote.

Project: Feldspar Mine

Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
Owner: M/s Shekhawati Mines & Minerals

**4.0. Production of solid wastes during construction or operation or decommissioning (MT/month)**

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Soil, overburden or mine wastes	Yes	Except for over burden which will be used for back filling no solid mine waste shall be generated
4.2	Municipal waste (domestic and or commercial wastes)	No	No municipal waste shall be generated
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous waste is generated currently nor also in distant future.
4.4	Other industrial process wastes	No	Other industrial waste is neither generated nor likely to be generated during entire life of the project.
4.5	Surplus product	No	No surplus product shall be generated during next 5 years.
4.6	Sewage sludge or other sludge from effluent treatment	No	No sewage shall be generated hence no requirement of any treatment.
4.7	Construction or demolition wastes	No	No waste shall be generated by way of construction or demolition of project structures.
4.8	Redundant machinery or equipment	No	There is no redundancy of machinery involved. Unserviceable machines or its spares are not stored in the project area.
4.9	Contaminated soils or other materials	No	No soil contamination is generated due to mining of mineral or removal of overburden.
4.10	Agricultural wastes	No	No, agricultural waste shall be produced.
4.11	Other solid wastes	No	No other solid waste shall be generated

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
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5. Release of pollutants or any hazardous, toxic or noxious substances to air(Kg/hr)

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	No	Mining machineries do generate emission but all machines are maintained to keep emission within prescribed limits as per Environment Safety & Motor Vehicle Act.
5.2	Emissions from production processes	Yes	No emissions other than dust are generated. Dust is generated by excavator, & tractor trolley, Dust suppression measures which mainly comprise of water sprinkling are practiced.
5.3	Emissions from materials handling including storage or transport	No	Regular water sprinkling on haulage road shall be done during loading and haulage of mined material.
5.4	Emissions from construction activities including plant and equipment	No	No construction activity shall be done thereby no emission from this activity shall take place.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	Emission of dust due to working and movement of machinery, vehicles and dumpers will have Small impact on air environment. However, suitable control measures shall be deployed and maintained to control dust emission well within permissible limits.
5.6	Emissions from incineration of waste	No	No incineration of waste will be taking place. Hence no need will arise for controlling such emissions.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No waste burning shall be made and therefore no mitigation measures needed.
5.8	Emissions from any other sources	No	No emission from any other activity shall be generated.

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
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**6. Generation of Noise and Vibration, and Emissions of Light and Heat:**

S.No.	Information/Checklist confirmation	No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	No	Noise generation will take place only at mine working which is far from any inhabitation. Proper maintenance of equipments like excavators, dumpers along with their environmentally compatible standards shall keep the noise level to prescribed levels. Vibrations shall be produced to some extent by movement of mining machinery. However, since no rock blasting is envisaged it will be limited to working place only from which inhabitations will be far away. No unwanted or excessive vibration shall be produced. No crushing / grinding are envisaged thereby no noise shall be produced due to such
6.2	From industrial or similar processes	No	No industrial process other than mining shall be carried out. Therefore, no additional noise will be generated.
6.3	From construction or demolition	No	No construction / demolition is envisaged. Therefore, no additional noise will be generated.
6.4	From blasting or piling	No	No blasting / piling activity will be done,
6.5	From construction or operational traffic	No	No construction activity shall take place in coming 5 years. Vehicular traffic shall be restricted to mining zone which is away from inhabitation. Therefore, will not disturb nearby
6.6	From lighting or cooling systems	No	No lighting or cooling systems are planned in the project to generate any noise

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

**7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:**

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	From handling and storage of mineral or rock waste no undue risk of contamination to land or water by release of pollutants shall take place because no pollutants exist either in mineral or rock waste generated.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	No discharge of sewage or other effluents will take place therefore not adding to any risk.
7.3	By deposition of pollutants emitted to air into the land and or into water	No	No pollutant exists in soil, rock or mineral and therefore, no pollutant emission to air would take place.
7.4	From any other sources	No	No pollutant from any other source shall be released.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There shall be no build up of pollutants in air in and around the project area.

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

**8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment**

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	No explosions, spillage, fire etc from storage of rock waste / mineral is anticipated. No hazardous material is going to be produced. No blasting is envisaged thereby obviating the necessity of storage handling and transport of explosives. Accordingly, no risk management is needed
8.2	From any other causes	No	No other risk factors are envisaged.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g? Floods, earthquakes, landslides, cloudburst etc)?	No	Project spread over of 1 ha is in a desertic land and plain ground with shall depth and is away from river (water body). The area has minimal risk from landslide, flood or earthquake.

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
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**9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality**

S. No	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:  <ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul>	Yes	The project will improve the socio-economic environment in and around it. Local people will be benefited from project activity in ancillary fields. Local people will get benefited by having more employment.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The after use of project site shall have different socio-environmental improvements in addition to development of plantation. Also abandoned pit shall improve ground water recharge and water harvesting.
9.3	Set a precedent for later developments	Yes	A better after use scenario will be developed by way of plantation and water harvesting.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Mining activity in adjoining area shall have a positive cumulative development of the environment

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

Project: Feldspar Mine  
 Owner: M/s Shekhawati Mines & Minerals

**Environmental Sensitivity**

S. No.	Areas	Name / Identity	Aerial Distance (within 15 km) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related values.	No	Not applicable
	Area which are important or sensitive for ecological reasons – Wetlands, water courses or other water bodies, coastal zone, biospheres, mountains, forests.	No	Not applicable
3.	Area used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration.	No	Not applicable
4.	Inland, costal, marine or underground waters.	No	Not applicable
5.	State, National boundaries	No	Not applicable
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	No	Not applicable
7.	Defense installations	No	Not applicable
8.	Density populated or built up area	No	Not applicable
9.	Areas occupied by sensitive man made land uses. (hospital, schools, places of worship, community facilities)	No	Not applicable
10.	Area containing important, high quality or scarce resources. (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Not applicable
11.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded).	No	Not applicable
12.	Area susceptible to natural hazard which could cause the project to present environmental problems (Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions).	No	Not applicable

Project: Feldspar Mine  
Owner: M/s Shekhawati Mines & Minerals

PROJECT:- MAINPURA FELDSPAR MINING PROJECT  
PROJECT PROPONENT:- M/S SHEKHAWATI MINES & MINERALS

Socio-economic conditions of area generally improve as mining activities create additional employment opportunities for local inhabitants; socio-economic status of local populace also improves as a result of social welfare activities under taken by mine owners. Significant contribution will be made towards health education and sanitation,

Drinking water facilities will be improved in nearby area whereas a forestation will contribute to ecology of the area.

The mineral deposits of Jaipur region of Rajasthan has ample resource potential to meet the growing demand of various industries and also compete in global market as such the present project may in time to come become foreign exchange earner for the country

Place:-

Date: -

Project PropONENTS & Minerals  
Shekhawati Mines & Minerals  
M/S SHEKHAWATI MINES & MINERALS