


APPENDIX I

FORM 1

(I) Basic Information:

S.No.	Item	Details
1.	Name of Project	River Sand Mining Project (M.L. No. 02/2012, Area-12.33 Ha.), N/v- Palada, Tehsil- Nawa, District-Nagaur (Raj.) of M/s. Shri Rajendra Singh Shekhawat S/o. Shri Mool Singh Shekhawat .
2.	S. No. in the schedule	1 (a)
3.	Proposed capacity/ area/ length/ tonnage to be handled/ command area/ lease area/number of wells to be drilled.	River Sand @ 2.0 lac TPA Lease Area 12.33 Ha.
4.	New/ Expansion/ Modernization	New
5.	Existing Capacity/Area Etc.	Existing Capacity: Nil Lease Area: 12.33 Ha.
6.	Category of Project i.e. 'A' or 'B'	B2 "As Per Moef Notification New Delhi S.O. 141 (E) Dated 15 January, 2016" (Lease Area \geq 5.0 Ha) Appraisal by SEIAA, vide S.O. No. 199 (E) on 20.01.2016.
7.	Does it attract the general condition? If yes, please specify.	No, it does not attract the general Condition.
8.	Does it attract the specific condition? If yes, please specify.	No, it does not attract the Specific Condition.
9.	Location:	Near Village - Palada, Tehsil - Nawa, Distt. - Nagaur (Rajasthan)
	Plot/Survey/Khasra No.	Khasra No. 591, Toposheet 45-I/16
	Village	Palada
	Tehsil	Nawa
	District	Nagaur
	State	Rajasthan
10.	Nearest Railway station/ Airport along with distance in Km.	<ul style="list-style-type: none"> Narayanpura (Kuchaman City) railway station of North Western Railway is about 2.5km in South direction. The nearest airport is at Jodhpur (137 km) in SW direction from mine site.
11.	Nearest Town, City, District Headquarters along with distance in Km.	Nearest town Kuchaman 7.5 km in North direction of mine site.
12.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Panchayat Samiti - Kuchaman, Tehsil - Kuchaman, District-Nagaur, Rajasthan.
13.	Name of the Applicant	M/s. Rajendra Singh Shekhawat
14.	Registered Address	S/o Shri Mool Singh Shekhawat R/o 10-11, Chand Bihari Nagar, Khatipura, District-Jaipur (Rajasthan).
15.	Address for correspondence:	Shri Rajendra Singh Shekhawat S/o Shri Mool Singh Shekhawat R/o 10-11, Chand Bihari Nagar, Khatipura, District-Jaipur (Rajasthan), Phone No. 9414041101 (Mob.), E-mail: rajendrsshikhawat2014022@gmail.com
	Name	Shri Rajendra Singh Shekhawat
	Designation (Owner/Partner/CEO)	Owner


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	Address	S/o Shri Mool Singh Shekhawat R/o 10-11, Chand Bihari Nagar, Khatipura, District-Jaipur (Rajasthan).
	Pin Code	302004
	E-mail	Rajendrsshkhawat2014022@gmail.com
	Telephone No.	9414041101 (M)
	Fax No.	--
16.	Details of Alternative Sites Examined, if any. Location of these sites should be shown on a toposheet.	Mineral river sand is naturally occurring resource and this is a site specific project. Hence no alternative can be chosen.
17.	Interlinked Projects	None
18.	Whether separate application of interlinked project has been submitted?	None
19.	If yes, date of submission	-
20.	If no, reason	-
21.	Whether the proposal involves approval/clearance under: If yes, details of the same and their status to be given. (a) The forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991?	None
22.	Whether there is any Government order/ Policy relevant/ relating to this site?	None
23.	Forest Land involved (Hectares)	None
24.	Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up? (a) Name of the court (b) Case No. (c) Orders/ Directions of the court, if any and its relevance with the proposed project.	None


(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	Due to mining activities there will be slightly changes in topographical features because proposed mining confined to river bed only no other area disturbed except some mineral is stacked at earmarked site of surface. Area is covered with windblown sand. Some old working pits could be seen randomly in the area. Now mine will be restarted after taking Environment Clearance. At the end of life of mine proposed development will be:


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			S.No.		Present	End of 5 Year
			Particular			
			1.	Area excavated	2.88 Ha.	8.58 Ha.
			2.	Storage of Top Soil	Nil	0.08 Ha.
			3.	Dump/Heaps:	0.2	0.2
			4.	Mineral Storage	Nil	0.5
			5.	Infrastructure (Workshop, administration building etc.)	Nil	0.0093
			6.	Roads	0.66 Ha.	0.96
			7.	Green Belt	-	1.25 Ha.
			8.	Unworked	Nil	0.95 Ha.
1.2	Clearance of existing land, vegetation and buildings?	Yes	Lease has been granted by order of LOI of Mining Engineer Makrana letter No. ME/MAK/M.L.Bajri/Nawa/12/575 Dated 19-12-2012 for total lease area is 12.33Ha. fall in Khasra No.591 of Tehsil-Nawa, District-Nagaur, Rajasthan.			
1.3	Creation of new land uses?	Yes	Haul roads will be created due to mining activities on Lease area. 7.5m along riparian zone will be planted.			
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not Applicable			
1.5	Construction works?	Yes	Temporary site office, store, rest shelter etc. will be constructed at the mine site on 0.0093 Ha only.			
1.6	Demolition works?	No	Not Applicable			
1.7	Temporary sites used for construction works or housing of construction workers?	No	Not Applicable			
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	Not applicable			
1.9	Underground works including mining or tunneling?	No	No underground workings are proposed. There will be only opencast workings.			
1.10	Reclamation works?	No	No reclamation measures will be adopted at site except leveling of river bed after achieving UPL of 3mtr from river bed level. River itself replenishes with sediment carried during monsoon season.			
1.11	Dredging?	No	Mining will not proposed in underwater so no requirement of dredging at all.			
1.12	Offshore structures?	No	Not Applicable			
1.13	Production and manufacturing processes?	Yes	@ 2.0 lac TPA			
1.14	Facilities for storage of goods or materials?	Yes	The small store room will be built at the mining site			
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Nature of Waste: No waste generated at all except some amount of top soil in the form of alluvium will come out. Disposal: Top soil will be stacked separately. A 7.5m buffer zone will be left along riparian zone.			
1.16	Facilities for long term housing of operational workers?	No	Not Applicable			
1.17	New road, rail or sea traffic during construction or operation?	No	Not Applicable			
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Not Applicable			
1.19	Closure or diversion of existing transport routes or infrastructure	No	Not Applicable			

	leading to changes in traffic movements?		
1.20	New or diverted transmission lines or pipelines?	No	Not Applicable
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not Applicable
1.22	Stream crossings?	No	Not Applicable
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Quantity of water required 8 KLD. Source-Purchased from wells and tube wells around the lease area.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	During mining no alteration or changes in the passage/ route of river.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Minerals River Sand will be transported in tippers & trucks by road to consumers. Workers will come from nearby villages on their convenience.
1.26	Long-term dismantling or decommissioning or restoration works?	Yes	Whenever achieving 3mtr BGL from river bed level, mining will not do at all. In restoration/ reclamation programme, after 3 mtr mining provision of leveling or grading of river bed will be taken. River itself carried huge amount of sediment during every monsoon season so there is no reclamation measures proposed at mine site.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	Yes	In 7.5mtr buffer along riparian zone would be planted preferred local plant species. It will check riparian erosion and creates aesthetic environment of surrounding area. By this project of river sand mining in the area, river will hold more volume of water make to ensure availability of water in nearby areas.
1.28	Influx of people to an area in either temporarily or permanently?	No	Skilled labours - 3 Operators of Poclain machine with 3 Helpers and Unskilled - 15 to 20 labours.
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	Not Any
1.31	Any other actions?	No	Not Applicable

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	Total lease area is 12.33 Ha. comes under Govt Land (Gair Mumkin Nadi).
2.2	Water (expected source & competing users) unit: KLD	Yes	Water requirement will be 8KLD. Water would be purchased from wells and tube wells from nearby areas.
2.3	Minerals (MT)	Yes	River Sand @ 2.0 lac TPA
2.4	Construction material - stone, aggregates, sand / soil (expected source - MT)	No	Not Applicable
2.5	Forests and timber (source - MT)	No	Not Applicable
2.6	Energy including electricity and	Yes	Presently there is no electric power at mine.

	fuels (source, competing users) Unit: fuel (MT), energy (MW)		Diesel will be used on an average 100 LPD. Source: Nearest Pump/ Depot
2.7	Any other natural resources (Use appropriate standard units)	No	Not Applicable

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	Not Applicable
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not Applicable
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Socio-economic condition will improve and will have positive impact due to increasing earning sources of nearby peoples.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	Not Applicable
3.5	Any other causes	No	Not Applicable

4. 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	Spoil, overburden or mine wastes	Yes	Waste comprises of some amount of top soil occurring as alluvium.
4.2	Municipal waste (domestic and or commercial wastes)	No	Not Applicable
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	Not Applicable
4.4	Other industrial process wastes	No	Not Applicable
4.5	Surplus product	No	No surplus product will generate
4.6	Sewage sludge or other sludge from effluent treatment	No	Not Applicable
4.7	Construction or demolition wastes	No	Not Applicable
4.8	Redundant machinery or equipment	No	There is no redundant machinery or equipment.
4.9	Contaminated soils or other materials	No	Not applicable
4.10	Agricultural wastes	No	Not Applicable
4.11	Other solid wastes	No	Not Applicable

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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	Yes	(I) Mining machinery and transport vehicles will be source of air pollution. (II) Gaseous pollutants will be released from mobile mine machinery and compressor.
5.2	Emissions from production processes	No	Not Applicable
5.3	Emissions from materials handling including storage or transport	No	Not Applicable
5.4	Emissions from construction activities including plant and equipment	No	Not Applicable
5.5	Dust or odor from handling of materials including construction materials, sewage and waste.	No	Not Applicable
5.6	Emissions from incineration of waste.	No	Not Applicable
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not applicable
5.8	Emissions from any other sources	No	Nil

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S.No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise will be generate from movement of mining machineries 4 transport vehicles.
6.2	From industrial or similar processes	No	Not Applicable
6.3	From construction or demolition	No	Not Applicable
6.4	From blasting or piling	No	Not Applicable
6.5	From construction or operational traffic	Yes	There is no construction proposed at mine. Only mining of mineral will be carried out.
6.6	From lighting or cooling systems	No	Proposed mining is open cast thus emission of light and heat will be negligible. All the mining operation will be done in day only. No cooling system is required.
6.7	From any other sources	No	Nil

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	Not Applicable
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	Not Applicable

7.3	By deposition of pollutants emitted to air into the land or into water	Yes	Water sprinkler is provided on haul roads for suppression of dust which will be generated by vehicular movement.
7.4	From any other sources	No	Nil
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	No dump proposal at mine site.

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	Not Applicable
8.2	From any other causes	No	Nil
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	No	The area is not prone to flood and earthquake. No such incident is reported in this area so far. The area comes in seismic zone-II.

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"> ➤ Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) ➤ Housing development ➤ Extractive industries ➤ Supply industries ➤ Other 	Yes	<ul style="list-style-type: none"> ➤ Roads and transport facility will be improved due to frequently available of mine vehicles. ➤ Project proponent will organize regular medical checkup camps and recreational activities. ➤ Employment to local people will be generated. ➤ Overall living standard of nearby people will have positive impact.
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	The mining activities will have positive impact if environment measures are effectively implemented. Greenbelt along riparian zone of 7.5mtr. will have positive impact on surrounding environment.
9.3	Set a precedent for later developments	Yes	Mining of mineral is proposed with rated capacity of @ 2.0 lac TPA and to obtain this, loading of mineral by JCB excavator and Poclain. Proposed green belt development will help in increasing the aesthetic beauty of the area.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	The area is free from any disturbances. There are not any industries or development projects in its close proximity.

(III) 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 value.	No	Not Applicable		
2.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	S. No.	Particulars	Distance & Direction
			1.	Kabra Kund Dungar	2.5 Km in North
			2.	Bulda Dungar	3.5 Km in South-East
			S. No.	Particulars	Distance & Direction
			1	Salt Lakes Near Kuchaman city	3.5 Km in North
			2	Salt Lake near Manglodi	3Km in North-East
			3	Palada Talab	0.5 Km in South-East direction
			4	Trisingla water body	2 Km in North
			5	Bheru Talab	3.5Km in North
			3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No
4.	Inland, coastal, 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.	Defence installations	No	Not Applicable		
8.	Densely populated or built-up area	Yes	Nearest village Palada (Population 3415) is about 0.5 km in South direction from mine site.		
9.	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	All facilities like hospitals, schools, places of worship, community facilities available at Kuchaman City and Primary School are available at Palada River.		
10.	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	S. No.	Particulars	Distance & Direction
			1	Salt Lakes Near Kuchaman city	3.5 Km in North
			2	Salt Lake near Manglodi	3Km in North-East
			3	Palada Talab	0.5 Km in South-East direction
			4	Trisingla water body	2 Km in North
			5	Bheru Talab	3.5Km in North
11.	Areas already subjected to pollution or environmental damage. (those where	No	Nil		

	existing legal environmental standards are exceeded)		
12.	Areas 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	Nil

(III) PROPOSED TERMS OF REFERENCE FOR EIA STUDIES


As Per Moef Notification New Delhi S.O. 141 (E) Dated 15 January, 2016" (Lease Area \geq 5.0 Ha) Appraisal by SEIAA, vide S.O. No. 199 (E) on 20.01.2016 as the total lease area is 12.33 Ha and within 500 meter radius less than 25 Ha. and there will be negligible impact on surrounding environment thus TOR may not be applicable. Therefore we request you to kindly consider our case as B-2 and grant environment clearance for project.

"I hereby give undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.


राजेन्द्र सिंह शेखावत
 Signature of the Applicant

Shri Rajendra Singh Shekhawat

(Authorized Signatory & Power of Attorney Holder)


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