

FORM-1

FORM 1

(I) Basic Information		
S.No	Item	Details
1.	Name of the project/s	Sand and Bajri Mining Project
2.	Serial No. in the schedule	1(a) Mining of Mineral
3.	Proposed capacity /area /length /tonnage to be handled/command area/lease area/number of wells to be drilled	The area of the proposed mine is 01-40-62 ha and the proposed capacity of Sand and Bajri will be 25,920 TPA
4.	New/Expansion/Modernization	New
5.	Existing Capacity/Area etc.	Area: 01-40-62 ha
6.	Category of Project i.e. 'A' or 'B'	Category 'B2'
7.	Does it attract the general condition? If yes, please specify.	No
8.	Does it attract the specific condition? If yes, please specify.	No
9.	Location	Latitude : 31° 21' 05.7" N Longitude : 76° 18' 37.9" E
	Plot/Survey/Khasra No.	Khasra No- 77/1
	Village	Santoshgarh
	Tehsil	Una
	District	Una
	State	Himachal Pradesh
10.	Nearest railway station/airport along with distance in km.	Railway Station- Raimahtpur Railway Station is about 5.5 km away in NNE direction. Airport- Shimla Airport is about 86 km away in SE direction.
11.	Nearest Town, city, District Headquarters along with distance in km.	Nearest Town-santokhgarh about 4 km away in East direction. District Headquarter-Una about 14 km away in North West direction.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body	Panchayat – Santoshgarh, Village – Santoshgarh,

	(complete postal addresses with telephone nos. to be given)	District – Una, Himachal Pradesh
13.	Name of applicant	<i>Shri Rakesh kumar S/o Sh Piare lal and Smt Gurmel Devi</i>
14.	Registered Address	Ward no-7, Santokhgarh, tehsil & District Una Himachal Pradesh
15.	Address for correspondence	
	Name	<i>Shri Rakesh kumar S/o Sh Piare lal and Smt Gurmel Devi</i>
	Designation (Owner/Partner/CEO)	Owner
	Address	Ward no-7, Santokhgarh, tehsil & District Una Himachal Pradesh
	Pin Code	174303
	E-mail	--
	Telephone No.	9958218629
	Fax No.	--
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet	The lease has been granted for extraction of materials from this particular site. Thus no alternative site is proposed.
17.	Interlinked Projects	No
18.	Whether separate application of interlinked project has been submitted?	No
19.	If yes, date of submission	--
20.	If no, reason	Not Applicable.
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?	 No No No

22.	Whether there is any Government Order/Policy relevant/relating to the site?	No
23.	Forest land involved (hectares)	No
24.	Whether there is any litigation pending against the project and /or land in which the project is propose 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.	No

(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)	No	The area is river bed and mined out once, will be replenished gradually during rainy season hence there will be no permanent change in land use, land cover or topography of the area.
1.2	Clearance of existing land, vegetation and buildings?	No	There is no built-up structure in the lease area. So no clearance of existing land and vegetation is required.
1.3	Creation of new land uses?	No	The mining activity will be confined to the lease area i.e. within the river bed, so no new land use will be created.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	--
1.5	Construction works?	No	--
1.6	Demolition works?	No	--

1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Local people will be hired for excavation purpose; However provision for temporary rest shelters will be made.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.	No	--
1.9	Underground works including mining or tunneling?	No	--
1.10	Reclamation works?	No	The mining lease area is confined to the center of the river bed and it will remain river bed post mining, therefore, no part of mining lease will be required to be reclaimed.
1.11	Dredging?	No	No dredging will be done.
1.12	Offshore structures?	No	Not required for this project.
1.13	Production and manufacturing processes?	No	No production and manufacturing process is involved at the site.
1.14	Facilities for storage of goods or materials?	No	The Applicant intends to mine Sand and Bajri from the lease area. The extracted Sand and Bajri shall be sold in the open market as per the demand. Hence no storage facility at the mine site will be required.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	There will be no waste generation during the mining operation. All the sand along with Bajri will be transported and sold in the market, The clay and silt are inseparable components of the sand and will be sold as it is with sand.
1.16	Facilities for long term housing of operational workers?	No	Workers will be hired /employed locally from the nearby villages for the mining activity. Thus no housing facility will be developed near mine site.
1.17	New road, rail or sea traffic during construction or operation	No	No new road for vehicles will be constructed, as approach road to the site is

			already exists.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Not required for the operation of this project.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There would be no closure or diversion of existing routes, which would change the traffic movements.
1.20	New or diverted transmission lines or pipelines?	No	Not required for the operation of this project
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not required for the operation of this project
1.22	Stream crossings?	No	--
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	About 1.0 KLD will be required for dust suppression purpose including plantation and about 3.0 KLD for domestic use therefore total water requirement is about 4.0 KLD. Water Requirement for drinking purpose and for dust suppression will be fulfilled from private borewell of Smt Krishna Devi W/o SH Jagtar Singh Village Amrali, Tehsil Haroli & District Una (H.P) which is situated at khevat no-6, khasra no 592,614, 154, Mohal Tahliwal, Nichla Mauza Nangalkalan, Tehsil & District Una (H.P) this water will be supplied through tanker. Affidavit attached with the report as Annexure VII.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	The mining in a systematic way will help in channelization of the river course

1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	In the operation phase Sand and Bajri will be excavated manually and loaded directly into tractor-trolley to local markets.
1.26	Long-term dismantling or decommissioning or restoration works?	No	--
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	--
1.28	Influx of people to an area in either temporarily or permanently?	No	Mostly local people will be deployed locally to carry out mining operations. So no influx of people will be seen.
1.29	Introduction of alien species?	Yes	The vehicles used for transportation of minerals have chances of carrying spores/seeds which are not native to lease area.
1.30	Loss of native species or genetic diversity?	No	As such no loss of native species or genetic diversity is expected.
1.31	Any other actions?	No	--

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 activity will be done in the proposed mine lease area. The total mine lease area lies within the bed of Soan river.
2.2	Water (expected source & competing users) unit: KLD	Yes	About 0.1 KLD will be required for dust suppression purpose including plantation and about 0.3 KLD for domestic use therefore total water requirement is about 0.4 KLD. Water Requirement for drinking purpose and for dust suppression will be fulfilled from private borewell of Smt Krishna Devi W/o SH Jagtar Singh Village

			Amrali, Tehsil Haroli & District Una (H.P) which is situated at khevat no-6, khasra no 592,614, 154, Mohal Tahliwal, Nichla Mauza Nangalkalan, Tehsil & District Una (H.P) this water will be supplied through tanker. Affidavit attached with the report as Annexure VII.
2.3	Minerals (MT)	No	Project will not be consuming any mineral/material. In fact it will produce minerals for construction purposes.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	--
2.5	Forests and timber (source – MT)	No	--
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	The mining operation will be done in day time only, so there is no power requirement for the mining activity.
2.7	Any other natural resources (use appropriate standard units)	No	--
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	This project operation will not involve any hazardous materials.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	Yes	As such there will be no change in occurrence of disease however insect bites and other poisonous bites may affect the health of the workers which can be prevented by anti-venom injections.
3.3	Affect the welfare of people e.g. by	No	There will be no adverse impact on the

	changing living conditions?		welfare of the people however this project will provide livelihood to the workforce during the operation which will be helpful in improving their living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	This project will not affect the vulnerable groups of people.
3.5	Any other causes	Yes	Transportation is one of the major activities of the project. Accidents may occur, which may be avoided by taking due care & precautions.

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	There will be no waste generation during the mining operation. All the sand along with Bajri will be transported and sold in the market. The clay and silt are inseparable components of the sand and will be sold as it is with sand.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Very insignificant quantity of domestic waste will be generated by the labors at site.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	--
4.4	Other industrial process wastes	No	--
4.5	Surplus product	No	--
4.6	Sewage sludge or other sludge from effluent treatment	No	No effluent treatment will be there.
4.7	Construction or demolition wastes	No	--
4.8	Redundant machinery or equipment	No	--
4.9	Contaminated soils or other materials	No	--
4.10	Agricultural wastes	No	--

4.11	Other solid wastes	No	--
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	There will be emissions due to burning of fuels from vehicles which are used for transportation of minerals from site.
5.2	Emissions from production processes	Yes	Dust emission is expected during excavation of mineral from the river bed but in a very minimal quantity.
5.3	Emissions from materials handling including storage or transport	Yes	Dust emission is expected during handling of minerals i.e. during loading-unloading of material and in transportation.
5.4	Emissions from construction activities including plant and equipment	No	--
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	Yes	Dust emission is expected during handling of minerals i.e. during loading-unloading of material and in transportation.
5.6	Emissions from incineration of waste	No	There will be no incineration of any waste. Hence no emission is expected.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	There will be no burning of waste.
5.8	Emissions from any other sources	No	---
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	Mining will be done manually. Noise generation is expected during loading-unloading and vehicular movements.
6.2	From industrial or similar processes	No	--
6.3	From construction or demolition	No	--
6.4	From blasting or piling	No	Blasting and piling is not proposed for the

			mining process.
6.5	From construction or operational traffic	Yes	Noise will only be generated from vehicular movement during transportation.
6.6	From lighting or cooling systems	No	Mining will be carried out during day time only and in open area. Thus there is no need for lighting and cooling systems.
6.7	From any other sources	No	---
7. Risks of contamination of land or water from release of pollutants into 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	No hazardous material will be used at the site.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	--
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	Only dust emission is expected into air due to movement of vehicles. However dust suppression will be done by sprinkling of water.
7.4	From any other sources	No	--
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There is only generation of dust which would be suppressed by water sprinkling. Hence there is no risk of long term build up of pollutants in the environment.
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	--
8.2	From any other causes	Yes	Risk of accidents are expected:

			<p>1. During transportation.</p> <p>2. During loading of minerals into tractors.</p> <p>Efforts will be made to minimize the accidents ensuring due care and precautions and try to maintain the speed of vehicles is low.</p>
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	<p>As per Approved Mining Plan, the mine lease area lies in Seismic Zone-IV which is least prone to earthquakes. However there are no built-up structures within the lease area which would affect the mining process. But As per Amateur Seismic Center http://asc-india.org/seismi/seis-himachal-pradesh.htm, it is lies in Seismic Zone-V.</p>
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	<p>Lead to development of supporting facilities ancillary development or development stimulated by the project which could have impact on the environment e.g.:</p> <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • Housing development • Extractive industries • Supply industries • Other 	No	--
9.2	Lead to after-use of the site, which could have an impact on the environment	No	The site will not be used for any other purpose other than mining, which would have an impact on the environment.

9.3	Set a precedent for later developments	No	--
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	--
(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	Nil	--
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Soan River <i>Gobind Sagar lake</i>	<i>Project lies on the bed of Soan River</i> <i>Gobind Sagar lake is present about 13km.</i>
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration.	Nil	-
4	Inland, coastal, marine or underground waters	Nil	--
5	State, National boundaries	Yes	Interstate Boundary between Himachal Pradesh and Punjab is about 2 km from Mine site.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	SH-25	About 4.5km in NNE direction.
7	Defense installations	Nil	-
8	Densely populated or built-up area	Santokhgarh Nangal Mehatpur	About 4 km in NE direction. About 8 km in NE direction About 10km in NE direction

9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Nangal Mehatpur	About 2 km in NE direction About 3km in NW direction
10	Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)		
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	Nil	--
-2	Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i>)	Earthquake	As per Approved Mining Plan, the mine lease area lies in Seismic Zone-IV which is least prone to earthquakes. However there are no built-up structures within the lease area which would affect the mining process. But As per Amateur Seismic Center http://asc-india.org/seismi/seis-himachal-pradesh.htm , it is lies in Seismic Zone-V .

UNDERTAKING

“I hereby given 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 our risk and cost”.

Date:30.1.19

Place:

Shri Rakesh Kumar

*Shri Rakesh Kumar S/o Sh Piare Lal and
Smt Gurmel Devi, R/o Ward No-7, Santokhgarh Tehsil &
District Una (H.P)*

NOTE:

1. The Projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. (at the stage of TOR) and the recommendations of the state Coastal Zone management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC).”
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/ Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project”.