

FORM-I

APPENDIX I

FORM 1

(I) Basic Information

S.No.	Item	Details
1.	Name of the project/s	Sand, Stone and Bajri Mining Project. M/s Vipasha Stone Crusher.
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 mine is 2.1734 Ha and the proposed capacity of Sand, Stone and Bajri will be 18560 TPA.
4.	New/Expansion/Modernization	New
5.	Existing Capacity/Area etc.	Area: 2.1734Ha Capacity: 18560 TPA.
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	Co-ordinates
		A Latitude: 32°11'11.68"N Longitude: 76°04'44.78"E
	Plot/Survey/Khasra No.	Khasra No. 747/1/2
	Mouza/ Mohal	Mauza Ambal, Mohal Harian Tehsil Jawali Distt. Kangra
	Tehsil	Jawali
	District	Kangra
	State	Himachal Pradesh
10.	Nearest railway station/airport along with distance in km.	Jawan Wala Shehar/JWLS Railway Station is about 4 Km in SW direction. Airport: Chandigarh Airport is about 182 Km in SE direction.
11.	Nearest Town, city, District Headquarters along with distance in kms.	Town: Nagrota Surian is about 13 Km Km in SEE direction. District Head Quarter: Dharamsala is about 30 Km (crow fly distance) in NE direction.

12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Panchayat- Lahru Village-Harian P.O.-Lahru Tehsil- Jawali District- Kangra Himachal Pradesh
13.	Name of applicant	Shri Vivek Kalia
14.	Registered Address	Shri Vivek Kalia S/o Shri G.K. Kalia V.P.O. Proul Tehsil Fatehpur District Kangra Himachal Pradesh.
15.	Address for correspondence	
	Name	Shri Vivek Kalia
	Designation (Owner/Partner/CEO)	Owner
	Address	Smt. Rupali Sharma W/o Sh Vishal Kalia near Sub post office Ram Nagar, Tehsil Dharamshala, and District Kangra District Kangra Himachal Pradesh.
	Pin Code	176215
	E-mail	vivek_kalia@yahoo.com
	Telephone No.	09418011676
	Fax No.	--
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a Toposheet.	No alternate site has been examined for proposed project as the lease has been granted for this particular site only.
17.	Interlinked Projects	Yes, Vipasha Stone Crusher
18.	Whether separate application of interlinked project has been submitted?	No
19.	If yes, date of submission	--

20.	If no, reason	Not Applicable (The stone crusher does not come under the purview of the EIA notification)
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 pit will be completely filled during rainy season hence there would be no change in the topographical features and land use pattern.

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 lease area is confined only to the perennial Dehar Khad, and the area will remain as Khad after mining.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	No Pre-construction investigation has been performed.
1.5	Construction works?	Yes	Construction of Check dam is proposed at vulnerable locations.
1.6	Demolition works?	No	No demolition work has been proposed.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Local people will be hired for excavation purpose; hence no permanent housing will be required. 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?	Yes	Plantation will be raised, at private land khasra no 807 which is at a distance of 300m from project site. Check Dams Check Dams has been proposed at some vulnerable points to protect banks.
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, Stone and Bajri from the lease area. The stone, after being sieved would be sold for construction

			industry depending upon the market demand.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Silt/ Sand-Clay Mixture will be generated as waste during the mining opening. This material will be dumped in the low lying area khasra no. 807 and also used for plantation work in khasra no 807.
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	The site already has sufficient approach roads hence it is not proposed to construct new roads.
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	No stream crossings are involved.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	The project requires 1.0 KLD as daily water demand. 0.4KLD water will be required for dust suppression and about 0.6 KLD water will be required for drinking purpose.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There will be no change in the land surface affecting drainage or run-off as mining will

			be limited within river bed.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	In the operation phase Sand, Stone and Bajri will be excavated by semi mechanized method and loaded directly into tractor-trolley to the Stone Crusher and then finished product transported 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 the 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 is 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 is situated in Dehar Khad, and hence no agricultural land is involved.
2.2	Water (expected source & competing users) unit: KLD	Yes	The project requires 1.0 KLD as daily water demand. 0.4KLD water will be required for dust suppression and about 0.6 KLD water will be required for drinking purpose.

2.3	Minerals (MT)	No	There will be no mineral/material is required for the operation of the project.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	During construction of dams Stone, Aggregates, and Sand is required. The demand will be full filled by project itself.
2.5	Forests and timber (source – MT)	No	--
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Diesel will be required for operation of tractor and electricity for crusher operation.
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)	No	As such there will be no change in occurrence of disease however 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 changing living conditions?	No	Proposed project will provide employment to the nearby villagers and hence is going to uplift the living standard of the people. It will not affect the welfare of people.
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	Accidents may occur, which may be avoided

			by taking due care & precautions as transportation is one of the major activities of this project.
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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	About 23200 MT/in five years, Waste will be generated during mine life. Waste contains Silt/ Sand-Clay Mixture which does not have any market value.
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	--
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 used for transportation of minerals from site to the crusher.
5.2	Emissions from production processes	Yes	Dust emission is expected during excavation of the mineral from the stream 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 and 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 and 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	Yes	Stone and Bajri will be sent to the crusher unit. Emission of dust is expected from the crusher unit.

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 by semi mechanized method. Noise generation is expected from the proposed crusher unit and from operation of tractor.
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 be generated only 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	Yes	Noise generation is expected from the

			proposed crusher unit which lies outside the lease area.
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 project 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	Only dust will be generated, 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: 1. During transportation. 2. During loading of minerals into tractors. Efforts will be made to minimize the accidents ensuring due care and operations

			and will try to maintain the vehicle movement at slow speed.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	The mine lease area lies in Seismic Zone V which is prone to earthquakes. However there is no built-up structure within the lease area which would affect the mining.
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 	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 create any 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	Dehar Khad	Project itself lies on this River.
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	No	--
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	SH-22 NH-154	About 3.5 Km in SW direction. About 9.1 Km in NE direction.
7	Defense installations	Nil	---
8	Densely populated or built-up area	Jawali Nagrota Surian Sidhpurgadh Bhaniari	About 4 Km in SW direction. About 13 Km in SE direction. About 8 Km in NW direction. About 10 Km in NE direction.

9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Jawali Nagrota Surian Sidhpurgadh Phalgarh Bhaniari	About 4 Km in SW direction. About 13 Km in SE direction. About 8 Km in NW direction. About 13 Km in NE direction. About 10 Km in NE direction.
10	Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	Nil	--
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	Nil	--
12	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	The mine area lies in Seismic Zone V , which is prone to earth quakes.

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 at our risk and cost.

Date:

Place:

Smt Rupali Sharma

(Authorized Signatory)

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. and the recommendations of the state Coastal Zone management Authority. 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.”
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”