

# FORM I

**APPENDIX I**  
**(See paragraph – 6)**  
**FORM I**

<b>(I) Basic Information</b>			
<b>S.No</b>	<b>Item</b>	<b>Details</b>	
1.	Name of the project/s	<i>Mining of Sand, Stone &amp; Bajri from Sarai Nala situated in Mauza Palchan &amp; Mohal Solang. Lesse Sh Pratap Singh Prop. M/s Paras Stone Crusher</i>	
2.	S. No. in the schedule	<i>As per Gazette Notification dated 14th September 2006 and subsequent amendments thereof, The project is classified as category B under item 1 (a) –B Category.</i>	
3.	Proposed capacity /area /length /tonnage to be handled/command area/lease area/number of wells to be drilled	<i>Production capacity maximum 37120 tonnes per year. Mining lease Area: 2-17-54 hectare</i>	
4.	New/Expansion/Modernization	<i>New mine</i>	
5.	Existing Capacity/Area etc.	<i>2-17-54 hectare</i>	
6.	Category of Project i.e. 'A' or 'B'	<i>The project is classified as category 'B'</i>	
7.	Does it attract the general condition? If yes, please specify.	<i>No</i>	
8.	Does it attract the specific condition? If yes, please specify.	<i>No</i>	
9.	Location	<b><i>Latitude</i></b>	<b><i>Longitude</i></b>
		<i>32°18' 37.8" N</i>	<i>77° 10'14.8" E</i>
	Plot/Survey/Khasra No.	<i>760</i>	
	Village	<i>Mauza Palchan &amp; Mohal Solang</i>	
	Tehsil	<i>Manali</i>	
	District	<i>Kullu</i>	
	State	<i>Himachal Pradesh</i>	
10.	Nearest railway station/airport along with distance in km.	<i>Bajinath Paprola Railway Station:. 57.42 Km in the SW direction (Arial Distance).</i> <i>Bhuntar Airport (Kullu-Manali Road): approx. 47.7</i>	

		<i>km in South Direction (Aerial Distance).</i>
11.	Nearest Town, city, District Headquarters along with distance in kms.	<i>Nearest City – Kullu (about 39.46 kms in South direction) Aerial Distance</i> <i>Nearest Town – Manali (about 8.36 Km in SSE Direction) Aerial Distance.</i> <i>District Headquarter- Kullu (about 39.46 kms in South direction) Aerial Distance.</i>
12.	Village Panchayat, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	<i>Village Panchayat - Palchan</i> <i>Tehsil Manali, District Kullu</i> <i>Himachal Pradesh</i>
13.	Name of applicant	<i>Sh. Pratap Singh S/o Sh. Nihal Singh</i> <i>Prop. Paras Stone Crusher</i>
14.	Registered Address	<i>Village &amp; P.O. Buruwa,</i> <i>Tehsil Manali, Distt. Kullu, H.P</i>
15.	<i>Address for correspondence</i>	
	Name	<i>Sh. Pratap Singh S/o Sh. Nihal Singh Prop. Paras Stone Crusher</i>
	Designation (Owner/Partner/CEO)	<i>Owner</i>
	Address	<i>Pratap Singh S/o Sh. Nihal Singh</i> <i>Village Burwa, P.O. Burwa</i> <i>Tehsil Manali &amp; District, Kullu</i> <i>Himachal Pradesh</i>
	Pin Code	<i>175103</i>
	E-mail	<i>rahulsingh291@gmail.com</i>
	Telephone No.	<i>9816042798, 9418019504</i>
	Fax No.	<i>-</i>
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet	<i>None</i>

17.	Interlinked Projects	<i>Yes, the project is interlinked with the M/s Paras Stone Crusher</i>
18.	Whether separate application of interlinked project has been submitted?	-NA-
19.	If yes, date of submission	-NA-
20.	If no, reason	<i>The crusher unit does not come under the purview of the EIA notification 2006.</i>
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?	<i>Yes, Diversion of 2.1754 Ha of Forest land in favour of M/s Paras Stone Crusher Prop. Shri Pratap Singh, VPO Village Burwa, P.O. Burwa Tehsil Manali &amp; District, Kullu for the collection of stone/boulders within the Jurisdiction of Kullu Forest Division, H.P vide letter dated 18/08/2017.</i> <i>No</i> <i>No</i>
22.	Whether there is any Government Order/Policy relevant/relating to the site?	<i>No</i>
23.	Forest land involved (hectares)	<i>No</i>
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.	<i>No</i>
<b>(II) Activity</b>		
<b>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.)</b>		

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	<i>The lease is situated in the Sarai Nala locally called Pagal Nala A primary tributary of Beas River and mined out material from an area will get replenished gradually during succeeding rainy season. Hence there will be no change in land use, land cover or topography of the area.</i>
1.2	Clearance of existing land, vegetation and buildings?	No	<i>The entire mining lease area being part of Sarai Nala, there is no vegetation in the leased out area. Hence, there would be no clearance of existing land, vegetation and buildings.</i>
1.3	Creation of new land uses?	No	<i>The mining activity will be confined to the lease area so no new land use will be created.</i>
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	<i>Not Applicable</i>
1.5	Construction works?	Yes	<i>As per mining plan, 5 No. of marginal bunds /Check dams will be extending right up to the high ground along the banks are require to be undertaken by giving suitable protection with boulders or concretes slabs or boulders in wire crates forming flexible type apron may be provided. Check dams made with boulders in wires crates along the river banks are proposed. The width of check dams would be about 1 meters each &amp; length is 20 meter</i>
1.6	Demolition works?	No	<i>No demolition work will be done.</i>
1.7	Temporary sites used for construction works or housing of construction workers?	No	<i>Workers will be hired from nearby villages, only temporary rest shelters will be provided to them at the site Hence, there will be no any</i>

			<i>construction of house will be done.</i>
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	<i>No</i>	<i>The work involves collection of sand, stone and bajri from Sarai Nala. Extracted material will get replenished in every Monsoon Season.</i>
1.9	Underground works including mining or tunneling?	<i>No</i>	<i>There will not be any underground mining or tunneling.</i>
1.10	Reclamation works?	<i>No</i>	<i>The minerals extracted will be during mining process will get replenished naturally during the subsequent rainy seasons. Hence no reclamation works are proposed.</i>
1.11	Dredging?	<i>No</i>	<i>The work involves extraction of sand, stone and bajri from Sarai Nala So, no dredging will be done.</i>
1.12	Offshore structures?	<i>No</i>	<i>As it is a river bed mining and these are not required for this project.</i>
1.13	Production and manufacturing processes?	<i>No</i>	<i>Collection of sand, stone and bajri from Sarai Nala is involved. No other production or manufacturing process is involved.</i>
1.14	Facilities for storage of goods or materials?	<i>No</i>	<i>Minerals extracted will be loaded directly into tractor trolleys. Hence no storage facility will be required.</i>
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	<i>No</i>	<i>As per Mining plan no silt &amp; clay will be generated</i>
1.16	Facilities for long term housing of operational workers?	<i>No</i>	<i>Workers will be hired from nearby villages, only temporary rest shelters will be provided to them at the site Hence, there will be no any long term housing required.</i>
1.17	New road, rail or sea traffic during construction or operation	<i>No</i>	<i>Not Applicable</i>
1.18	New road, rail, air waterborne or	<i>No</i>	<i>Not Applicable</i>

	other transport infrastructure including new or altered routes and stations, ports, airports <i>etc?</i>		
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	<i>There would be no closure or diversion of existing routes. Existing road will be used for transportation purpose.</i>
1.20	New or diverted transmission lines or pipelines?	No	<i>As there will be no any consumption of electricity or large scale water requirement therefore no transmission lines or pipelines are involved.</i>
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	<i>No Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers is envisaged.</i>
1.22	Stream crossings?	No	<i>No stream crossings are involved.</i>
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	<i>About 0.57 KLD will be required dust suppression purpose and for domestic The water will be supplied from nearby natural source, Pagal Nala.</i>
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	<i>There will be no change in the land surface affecting drainage or run-off as mining will be limited within the Sarai Nala</i>
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	<i>In the operation phase Sand, Stone and Bajri will be extracted manually. These will be loaded directly into tractor trolleys to the stone crusher and direct saleable material will be transported to local markets.</i>
1.26	Long-term dismantling or decommissioning or restoration works?	No	<i>Not Applicable</i>
1.27	Ongoing activity during decommissioning which could	No	<i>Not Applicable</i>

	have an impact on the environment?		
1.28	Influx of people to an area in either temporarily or permanently?	No	<i>Only local people will be deployed to carry out minerals extraction. So no influx of people will be seen.</i>
1.29	Introduction of alien species?	No	<i>Only indigenous plants shall be used for plantation in consultation with forest dept.</i>
1.30	Loss of native species or genetic diversity?	No	<i>No loss of native species or genetic diversity is expected.</i>
1.31	Any other actions?	No	NA
<b>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):</b>			
<b>S.No.</b>	<b>Information/checklist confirmation</b>	<b>Yes /No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
2.1	Land especially undeveloped or agricultural land (ha)	No	<i>As per revenue record Gairmumkin Khad, The activity will be done in the proposed mine lease area which is a part of Sarai Nala. No agricultural land is involved.</i>
2.2	Water (expected source & competing users) unit: KLD	Yes	<i>About 0.57 KLD will be required dust suppression purpose and for domestic The water will be supplied from nearby natural source, Pagal Nala.</i>
2.3	Minerals (MT)	No	<i>No minerals are required for execution of this project.</i>
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	<i>No construction material is required for this project. On the other hand, construction material will be produced.</i>
2.5	Forests and timber (source – MT)	No	<i>Not required for this project.</i>



2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	<i>Mining operations will be carried out manually in day time 9am to 6 pm so electricity is not required for the project.</i>
2.7	Any other natural resources (use appropriate standard units)	No	<i>No other natural resources will be used.</i>

**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	<i>Not applicable w.r.t MSIHC rules</i>
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	<i>The nature of proposed activity does not envisage the occurrence of disease.</i>
3.3	Affect the welfare of people e.g. by changing living conditions?	No	<i>There will be no adverse affect on welfare of the people. On the other hand, the project will improve the living conditions of the people due to earnings from the mining work.</i>
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	<i>There is no hospital, school in the vicinity.</i>
3.5	Any other causes	No	--

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

S.No.	Information/Checklist	Yes/No	Details thereof (with approximate
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	<b>confirmation</b>	<b>o</b>	<b>quantities/rates, wherever possible) with source of information data</b>
4.1	Spoil, overburden or mine wastes	No	<i>As per mining plan no Silt &amp; clay will be generated as a waste.</i>
4.2	Municipal waste (domestic and or commercial wastes)	No	<i>Not Applicable</i>
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	<i>Not Applicable</i>
4.4	Other industrial process wastes	No	<i>No other waste will be generated during extraction of Sand, Stone &amp; Bajri.</i>
4.5	Surplus product	No	<i>Not Applicable</i>
4.6	Sewage sludge or other sludge from effluent treatment	No	<i>No effluent treatment involved.</i>
4.7	Construction or demolition wastes	No	<i>No construction or demolition wastes are expected.</i>
4.8	Redundant machinery or equipment	No	<i>No redundant machinery or equipment is involved.</i>
4.9	Contaminated soils or other materials	No	<i>The process does not involve contamination of soil</i>
4.10	Agricultural wastes	No	<i>No agricultural wastes are produced.</i>
4.11	Other solid wastes	No	<i>No other solid wastes are generated.</i>

#### **5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)**

<b>S.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/N o</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	<i>There will be emissions due to vehicles used for transportation of minerals. Pollution Certified vehicles only be used for the transportation purpose.</i>
5.2	Emissions from production processes	No	<i>No emission is expected from the production process.</i>
5.3	Emissions from materials handling including storage or transport	Yes	<i>Some dust will be emitted during transportation of minerals. However regular</i>

			<i>water sprinkling will be done in haulage road to suppress the dust.</i>
5.4	Emissions from construction activities including plant and equipment	<i>No</i>	<i>There will be no any construction activity carried out only temporary check dams will be built using material available on the site Hence; there will be no emissions are anticipated from these activities.</i>
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	<i>Yes</i>	<i>Dust emission is expected during handling of minerals i.e. during loading of minerals.</i>
5.6	Emissions from incineration of waste	<i>No</i>	<i>Not Applicable</i>
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	<i>No</i>	<i>Not Applicable</i>
5.8	Emissions from any other sources	<i>No</i>	<i>NA</i>

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

<b>S.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	<i>No</i>	<i>Mining will be done manually; Noise only be generated from the vehicles used for transportation.</i>
6.2	From industrial or similar processes	<i>No</i>	<i>NA</i>
6.3	From construction or demolition	<i>No</i>	<i>No construction or demolition work is proposed.</i>
6.4	From blasting or piling	<i>No</i>	<i>Blasting and piling is not proposed for the mining process.</i>
6.5	From construction or operational traffic	<i>Yes</i>	<i>Noise will be generated from vehicular movement during transportation of minerals.</i>
6.6	From lighting or cooling systems	<i>No</i>	<i>Mining will be carried in the day time i.e. 9 am to 6 pm. Thus there is no need for lighting and</i>

			<i>cooling systems.</i>
6.7	From any other sources	<i>No</i>	<i>NA</i>
<b>S.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
7.1	From handling, storage, use or spillage of hazardous materials	<i>No</i>	<i>Since no hazardous material will be used or produced at the site, no risk of contamination of land or water is envisaged</i>
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	<i>No</i>	<i>No discharge of sewage or other effluents will be there.</i>
7.3	By deposition of pollutants emitted to air into the land or into water	<i>No</i>	<i>Regular water sprinkling will be done to suppress the generated dust.</i>
7.4	From any other sources	<i>No</i>	<i>Not envisaged</i>
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	<i>No</i>	<i>There will be no such risk.</i>
<b>8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment</b>			
<b>S.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	<i>No</i>	<i>No hazardous substance will be used or produced during the proposed mining operations.</i>
8.2	From any other causes	<i>Yes</i>	<i>Risk of accidents are expected: During transportation &amp; loading of minerals into tractors and trolleys.</i>

8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	<i>The project is located in seismic zone V. There are minor incidences of earth quake in Himachal Pradesh. However no significant damage has occurred at site.</i>
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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 there of (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	<i>Project will provide the employment opportunities that will help in improving living standard and socio-economic status of the people. These are positive impacts</i>  <i>Extraction minerals are used as raw materials for infrastructure development and also supply to the industries for construction purpose.</i>
9.2	Lead to after-use of the site, which could have an impact on the environment	No	<i>The site will not be used for any other purpose which will have an impact on the environment.</i>
9.3	Set a precedent for later developments	Yes	<i>Proposed mining activity can set a precedent for increase in infrastructure developmental activity.</i>
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	<i>There are no similar mining projects located within 500m periphery of the lease area.</i>

**(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	<i>Manali sanctuary</i>	<i>6.33 Km in SW direction</i>
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	<i>No</i>	<i>----</i>
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	<i>Patalsu PF</i> <i>Kothi Tich PF</i> <i>Matiban PF</i> <i>Manjuban PF</i> <i>Kangni PF</i> <i>Mirg Ki Dhar PF</i>	<i>3 Km in North direction</i> <i>4.5 Km in East direction</i> <i>3.5 Km in SE direction</i> <i>4.8 Km in SE direction</i> <i>3.8 Km in NW direction</i> <i>4.0 Km in SW direction</i>
4	Inland, coastal, marine or underground waters	<i>Nil</i>	<i>NA</i>
5	State, National boundaries	<i>NIL</i>	<i>NA</i>
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	<i>NH-21</i>	<i>Approx 7 km in South direction.</i>
7	Defense installations	<i>Nil</i>	<i>NA</i>
8	Densely populated or built-up area	<i>Manali Town</i>	<i>At a distance of About 8.36 km in SSE direction.</i>
9	Areas occupied by sensitive man-made land uses ( <i>hospitals, schools,</i>	<i>Govt. High School in Palchan Village</i>	<i>About 1.20 Km in ENE Direction(Aria Distance)</i>

	<i>places of worship, community facilities)</i>	<i>Civil Hospital National Highway-3, in Dhungri Village, Manali</i>	<i>About 8.34 Km in SSE direction</i>
		<i>Govt. Degree colleges in Kullu-Naggar Manali Roads Haripur HP</i>	<i>About 17.12 Km in South direction</i>
		<i>Anjani Mahadev Temple in Burwa Village</i>	<i>About 2.79 Km in SW Direction</i>
10	Areas containing important, high quality or scarce resources <i>(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)</i>	<i>Beas River</i>	<i>Approx 0.5 km in West direction</i>
11	Areas already subjected to pollution or environmental damage. <i>(those where existing legal environmental standards are exceeded)</i>	Nil	NA
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>	No	The mine lease area lies in Seismic Zone IV.

#### **(IV) Proposed Terms of Reference for EIA studies**

Not Applicable

***Pre-Feasibility and Environment Management Plan Enclosed***

"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 give, if any to the project will be my risk and cost".

  
(Authorized Signatory)

Date: 7.02.2019

Place: Zirakpur

Sh. Pratap Singh S/o Sh. Nihal Singh  
Prop. Paras Stone Crusher  
Village & P.O. Burwa,  
Tehsil Manali, Dist. Kullu,  
Himachal Pradesh

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".