

# **FORM- I**

**APPENDIX I**

**(See paragraph – 6)**

**FORM 1**

<b>(I) Basic Information</b>				
<b>S.No.</b>	<b>Item</b>	<b>Details</b>		
1.	Name of the project/s	Bhidauni Khadar Ordinary Sand Mining Project		
2.	S. 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	Proposed capacity of Sand extraction will 1, 01,200 cum per annum/ 1,82,160 TPA in the proposed mine area of 5.060 ha.		
4.	New/Expansion/Modernization	New Mine		
5.	Existing Capacity/Area etc.	Area: 5.060 ha.		
6.	Category of Project i.e. 'A' or 'B'	Category 'B'		
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	<b>Pillar No.</b>	<b>Latitude N</b>	<b>Longitude E</b>
		A	27 <sup>0</sup> 45.281'	77 <sup>0</sup> 40.392'
		B	27 <sup>0</sup> 45.272'	77 <sup>0</sup> 40.323'
		C	27 <sup>0</sup> 45.035'	77 <sup>0</sup> 40.424'
		D	27 <sup>0</sup> 45.046'	77 <sup>0</sup> 40.487'
	Plot/Survey/Khasra No.	87		
Village	Bhidauni Khadar			
Tehsil	Mant			
District	Mathura			
State	Uttar Pradesh.			
10.	Nearest railway station/airport along with distance in kms.	Chata Railway Station (about 17.5 kms towards WSW direction)  Agra Airport Terminal (about 72.5 km towards SSE direction)		

11.	Nearest Town, city, District Headquarters along with distance in kms.	<b>District Headquarter:</b> Mathura, approx. 30 Km towards South direction.
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	<b>Village:</b> Bhidauni Khadar <b>Tehsil:</b> Mant <b>District:</b> Mathura <b>State:</b> Uttar Pradesh.
13.	Name of applicant	M/s Satyug Foods Pvt Ltd
14.	Registered Address	11/3 Nakoda, Tehsil: Raniya District Sirsa Haryana
15.	Address for correspondence	
	Name	Shri Amandeep Singh S/o Shri Gurmeet Singh
	Designation (Owner/Partner/CEO)	Proprietor
	Address	11/3 Nakoda, Tehsil: Raniya District Sirsa Haryana
	Pin Code	281205
	E-mail	<a href="mailto:amandipsingh012@gmail.com">amandipsingh012@gmail.com</a>
	Telephone No.	--
	Fax No.	--
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet.	Mining has been proposed for the allotted lease area. Hence no alternatives site is proposed.
17.	Interlinked Projects	No
18.	Whether separate application of interlinked project has been submitted?	Not Applicable.
19.	If yes, date of submission	Not Applicable.
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?	Yes, Proposed project has been allotted to the proponent By District Mining Department Mathura, Uttar Pradesh. Sand Deposits having an area of 5.060 ha. State Govt. has given its consent to grant mining lease vide letter no. 736/उप खनिज/ई-निविदा सह ई-नीलामी/बालू/ 2017-2018 Dated 27/11/2017 Copy of letter is enclosed as Annexure No.1.	
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	
<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>			
<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>
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	No	The Lease area is dry part of River bed, will be used for collection of sand deposited by the Yamuna River and will be replenished gradually during succeeding rainy seasons. Hence, there will be no permanent change in land use, land cover or

	use plan)		topography of the area
1.2	Clearance of existing land, vegetation and buildings?	No	The entire mining lease area being part of (dry) river bed, there is no vegetation in the lease area. Hence, there would be no clearance of existing land, vegetation and buildings.
1.3	Creation of new land uses?	No	The mining activity will be confined to the lease area; there will be no creation of new land uses.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not required
1.5	Construction works?	No	No construction work is required for the proposed activity except for temporary rest shelter. All the laborers involved in mining will be from the nearby villages.
1.6	Demolition works?	No	No demolition is involved during the project.
1.7	Temporary sites used for construction works or housing of construction workers?	No	Local people will be hired, who will be working only during the day and hence no temporary sites for housing will be required.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	The work involves excavation of sand from river bed.
1.9	Underground works including mining or tunneling?	No	Open cast Semi-Mechanized Sand mining will be done
1.10	Reclamation works?	No	The minerals excavated during mining process will be replenished naturally during the subsequent rainy seasons. Hence no reclamation works are proposed.
1.11	Dredging?	No	The work involves excavation of sand from dry river bed and as such no dredging will be done.
1.12	Offshore structures?	No	Not required for this project.
1.13	Production and manufacturing processes?	No	The project does not involve any production or manufacturing process.
1.14	Facilities for storage of goods or materials?	No	Sand will be loaded into trucks and sent to the market hence no storage facility will be required.

1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No waste/effluent will be generated at the mine site. As all the quantities of sand/morrum to be exploited shall be saleable.
1.16	Facilities for long term housing of operational workers?	No	Laborers from nearby areas will be hired hence no need of housing.
1.17	New road, rail or sea traffic during construction or operation		Approach road 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 proposed project.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	The project shall not affect the existing traffic status.
1.20	New or diverted transmission lines or pipelines?	No	As there will be no electricity or large scale water requirement for the project, therefore no transmission lines or pipelines are involved.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers is envisaged.
1.22	Stream crossings?	No	The site is located on the river bank of River Yamuna and No other stream crossing through the site.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	About 3.8 KLD will be required for drinking and dust suppression purpose. Water will be supplied from nearby villages by using private tankers.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	The mining site will not affect natural drainage.

1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	In the operation phase sand will be excavated and transported to local markets using trucks.
1.26	Long-term dismantling or decommissioning or restoration works?	Yes	Plantation will be raised along both sides of roads and civic amenities in consultation with the local authorities. Every year 10 trees will be planted with various types of species. List of species is recommended for plantation.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	NO	Being simple open cast semi mechanized process, excavation process, no decommissioning would be there which could have any impact on environment.
1.28	Influx of people to an area in either temporarily or permanently?	No	Mostly local people will be deployed to carry out RBM mining extraction. So no influx of people will be seen.
1.29	Introduction of alien species?	No	No such introduction of alien species is foreseen.
1.30	Loss of native species or genetic diversity?	No	No loss of native species or genetic diversity is expected.
1.31	Any other actions?	No	Not even anticipated.

**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>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	The activity will be done on the dry part of river bed.
2.2	Water (expected source & competing users) unit: KLD	Yes	Dust suppression: 1.5 KLD Domestic: 2.3 KLD Total Water : 3.8 KLD
2.3	Minerals (MT)	No	No minerals are required for this project.
2.4	Construction material – stone,	No	No construction material is required for this project.

	aggregates, sand / soil (expected source – MT)		On the other hand, construction material will be produced.
2.5	Forests and timber (source – MT)	No	Not required for this project.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	Not required for this project.
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.
<b>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.</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>
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	No change in occurrence of diseases is expected. However insect and other poisonous bites are quite possible. For this first aid facility will be made available at site.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	This project will provide livelihood to the workforce during the operation which help in improving the living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	No any vulnerable group of people will be affected by the project.

3.5	Any other causes	No	Transportation is one of the major activities during the project. Accidents may occur, which could be avoided by taking due care and precautions.
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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	No	No overburden will be generated due to the operation.
4.2	Municipal waste (domestic and or commercial wastes)	No	There will not be any waste generation during operation of this project.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous wastes are envisaged.
4.4	Other industrial process wastes	No	No industrial process waste is envisaged.
4.5	Surplus product	No	No surplus products are expected as all production will be lifted side by side.
4.6	Sewage sludge or other sludge from effluent treatment	No	No effluent treatment involved.
4.7	Construction or demolition wastes	No	No construction or demolition wastes are expected.
4.8	Redundant machinery or equipment	No	No redundant machinery or equipment is involved.
4.9	Contaminated soils or other materials	No	No contaminated soils are generated.
4.10	Agricultural wastes	No	No agricultural wastes are produced.
4.11	Other solid wastes	No	No other solid wastes are generated.

**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
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5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	During operational phase there may be emissions by movement of vehicles (vehicular exhaust) which will be minimized by using only PUC certified & Bharat IV stage vehicles in the mining lease area.
5.2	Emissions from production processes	No	Particulate matter (Fugitive dust emission) will arise as a result of excavation further; it is being ensured that water sprinkling will be used as dust suppressor.
5.3	Emissions from materials handling including storage or transport	Yes	There will be emission dust during the transportation of sand from source to the market. Effective water sprinkling on haul road will be done to reduce haul road dust emissions. Also the truck will be covered by polythene sheet during transportation.
5.4	Emissions from construction activities including plant and equipment	No	No construction activity will be done.
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 of minerals. This can be minimized by sprinkling water.
5.6	Emissions from incineration of waste	No	No incineration of waste is done, hence no emission is expected.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No burning of waste is done, hence no emission is expected.
5.8	Emissions from any other sources	No	--

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

<b>S.No.</b>	<b>Information/Checklist</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	No	Open Cast Semi-Mechanized Mining method. Excavator may be used if required (optional).
6.2	From industrial or similar	No	No such processes are involved

	processes		
6.3	From construction or demolition	No	No construction work is proposed.
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 from vehicular movement. PUC certified vehicles will be deployed for the operations.
6.6	From lighting or cooling systems	No	Mining will be carried during day time 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:**

<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	No	Since no hazardous material will be used or produced at the site, no risk of contamination of land or water envisaged.
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 be there
7.3	By deposition of pollutants emitted to air into the land or into water	No	Adequate measures to suppress dust and not to allow dust to become airborne are provided.
7.4	From any other sources	No	Not envisaged.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	Scraping of accumulated dust build-up on road will be done frequently to keep the road in good order, thus avoiding any risk to 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	No hazardous substance will be used or produced during the proposed mining operations.
8.2	From any other causes	Yes	Accidents are probable during loading and unloading of material and movement of vehicles. First aid facilities will be provided the site.
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 IV. This zone is classified as High Damage Risk.  <i>Source:</i> <a href="http://www.bmtpc.org/disaster%20resistance%20technologies/ZONE%20IV.htm">http://www.bmtpc.org/disaster%20resistance%20technologies/ZONE%20IV.htm</a>

**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	With improvement in availability of employment living standard of the people will raise which itself may lead to building activity. These are positive impacts.

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 since it is the stream bed. Sand will get replenished in every monsoon season.
9.3	Set a precedent for later developments	Yes	Proposed mining activity can set a precedent for increase in infrastructure developmental activity.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	There is no mining projects located close by.

**(III) Environmental Sensitivity**

<b>S.No.</b>	<b>Areas</b>	<b>Name/ Identity</b>	<b>Aerial distance (within 15 km) Proposed project location boundary</b>
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	Yamuna river	The project site is located on the river bed of Yamuna.
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	Rajasthan and Uttar Pradesh state boundary 7.3 kms towards N-W directions
6	Routes or facilities used by the	National Highway	Approx. 18.5 Km towards West

	public for access to recreation or other tourist, pilgrim areas	(NH-2) Yamuna Express way	direction. Approx 4km towards East direction.
7	Defense installations	Nil	--
8	Densely populated or built-up area	Bhidauni	Approx. 2.5 Km towards East direction.
9	Areas occupied by sensitive man-made land uses ( <i>hospitals, schools, places of worship, community facilities</i> )	Kishan Singh Hospital(Hodal)	Approx. 25 Km towards NW direction.
10	Areas containing important, high quality or scarce resources ( <i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )	River Yamuna	Project site located at Yamuna river.
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> )	No	The mine lease area lies in Seismic Zone IV. This zone is classified as High Damage Risk.  <b>Source:</b> <a href="http://www.bmtpc.org/disaster%20resistnace%20technolgies/ZONE%20IV.htm">http://www.bmtpc.org/disaster%20resistnace%20technolgies/ZONE%20IV.htm</a>

**Pre – feasibility Report & Environment Management Plan Enclosed**