

FORM 1

i. Basic Information

SNo	Item	Details
1.	Name of the Project	Proposed riverbed Morrum mining from Yamuna River for M/s Harsh Enterprises located at Plot No. 13/18 , 13/19, Village - Badahari, Tehsil - Manjhanpur, District - Kaushambi, Uttar Pradesh. Sanctioned Lease Area - 24.28 (ha).
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	Area of the Mining Lease: 59.997 acre (24.28 ha)
4.	New/Expansion/Modernization	New Riverbed Morrum mining project with production capacity of 3,60,000.000 cum/annum for plan period of 5 years.
5.	Existing Capacity/Area etc.	None, Mining activities will start only after grant of Environment Clearance from SEIAA, UP, Lucknow.
6.	Category of Project i.e. 'A' or 'B'	As per EIA Notification, 2006 & its subsequent amendment on 15.01.2016, project falls under Category B (Sub Category- B2).
7.	Does it attract the general condition? If yes, please specify.	No, As per amendment of EIA Notification, 2006 dated 15.01.2016, general conditions shall not be applicable to project or activity of mining of minor minerals of Category 'B2' (upto 25 ha of mining lease area).
8.	Does it attract the specific condition? If yes, please specify.	No, the project proposal does not attract specific condition as specified in EIA Notification 2006.
9.	Location	13/18 , 13/19
	Plot/Survey/Khasra No.	13/18 , 13/19

SNo	Item	Details		
		Site co-ordinates of the mining lease area are given below:		
		Plots/Points	Latitude	Longitude
	Sanctioned MLA	A	25°20'49.50"N	81°17'53.80"E
		B	25°20'54.63"N	81°18'3.19"E
		C	25°20'26.95"N	81°18'13.99"E
		D	25°20'27.43"N	81°18'2.14"E
		Khasra Map indicating the proposed excavation site is attached as Annexure II.		
	Village	Badahari		
	P.O.			
	P.S.			
	District	Kaushambi		
	State	Uttar Pradesh		
10.	Nearest Railway station/airport along with distance in kms.	Kataiya Dandi Railway Station- 23.3 Km*(SE) Allahabad Airport, Bamrauli- 45.0 Km*(NE)		
11.	Nearest town, city, district headquarters along with distance in kms	City/Town Kaushambi- 10.5 Km*(NE)		
12.	Village, Panchayat, Zila Parishad, Municipal Corporation, Local body(complete postal Addresses with telephone nos. to be given)	—		
13.	Name of Applicant	Shri Sunil Kumar Pandey S/o Shri Anand Shankar Pandey		
14.	Registered Address	Village - Badahari, Tehsil - Manjhanpur, District - Kaushambi, Uttar Pradesh.		
15.	Address of correspondence			
	Name	Shri Sunil Kumar Pandey		
	Destination(Owner/Partner/CEO)	Owner		
	Address	H.No. 271/200 sf-12, Band Road, Mangal Murti Kunj, Allenganj,, District - Allahabad, Uttar Pradesh		
	Pin Code			
	E-mail			

SNo	Item	Details
	Telephone No.	
	Fax No.	
16.	Details of the Alternative sites examined, if any. Location of these sites should be shown on the top sheet.	The mining lease area is granted to project proponent through e-auction by DM of Kaushambi and it is site specific project.
17.	Interlinked Projects	No
18.	Weather seperate application of the 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, The proposed mining area does not attract any approval/clearances as specified.
22.	Whether there is any Government order/Policy relevant to the site?	Letter of Intent issued in favour of project proponent by DM Kaushambi dated 20-FEB-2018 is attached as Annexure-I
23.	Forest Land involed (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) Order directions of the court, if any and its relevance with the proposed projec	None.

ii. Activity

- 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	It is Sand/Morrum mining project. Mining will be restricted to the river bed only maintaining the safety margin from river banks, thus does not involve any change in existing topography or land use.
1.2	Clearance of existing land, vegetation and buildings.	No	The proposed plan involves extraction of Sand/Morrum from river bed only and does not require any clearance of existing land, vegetation and building. Beside the land government waste land having no vegetation and building.
1.3	Creation of new land uses?	No	The project does not involve any creation of new land use. However haul road will be constructed and riparian zone along the haulage road will be planted.
1.4	Preconstruction investigations e.g. bore holes, soil testing?	No	Not Applicable.
1.5	Construction works?	No	Not Applicable.
1.6	Demolition works?	No	Not Applicable.
1.7	Temporary sites used for construction works or housing of construction workers?	No	Mining is confined in dry season in day time only, and temporary laborers from local area will be hired, thus no housing of construction workers is required.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	No civil work is required in the proposed mine area. Scrapping of sand is the project methodology.
1.9	Underground tunneling? works including mining or	No	It is an open cast mine. So there is no underground working is proposed.
1.10	Reclamation works?	Yes	River itself replenishes mined out Sand/Morrum by the sediments carried during monsoon season. Hence no reclamation work is required.
1.11	Dredging?	No	There is no underwater mining is proposed that is why no dredging is proposed.
1.12	Offshore structures?	No	Not Applicable.
1.13	Production and manufacturing processes?	No	Not Applicable.

1.14	Facilities for storage of goods or materials?	No	Mined material (Sand/Morrum) will be loaded and transported directly through the trucks or trolleys; hence no temporary or permanent storage will be required.
1.15	Facilities for treatment of disposal of solid waste or liquid effluents?	No	Top soil will be stacked separately, if there is any. There would be no construction laborers inhibiting site thus there will be very less or no generation of solid waste is anticipated.
1.16	Facilities for long term housing of operational Workers?	No	Mining activities will be confined to day time only, and do not involve long term housing of operational workers.
1.17	New road, rail or sea traffic during construction or operation?	No	No such infrastructure is proposed for proposed Sand/Morrum mining project.
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 leading to changes in traffic movements?	No	Not Applicable.
1.20	New or diverted transmission lines or pipelines?	No	There are no transmission lines or pipeline passing through the project area.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Sand/Morrum mining will be restricted to river bed only, maintains the safty zone from river bank. Mining will be restricted in dry bed, above mean water level and ground water table, so no change in hydrology of area is anticipated.
1.22	Stream crossings?	No	Not Applicable.
1.23	Abstraction or transfers of water from ground or surface waters?	No	The water requirement for the operational workers will be met by private tankers or nearby dugwell/borewell. It is estimated that not more than 52 local labors will be hired from nearby villages.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	Proposed mining will be done scientifically, and thus will help to maintain the water course of the river. Thus these changes will be positive.

1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	Mining operations will be opencast, semimechanised/OTFM (Other Than Fully Mechanized) using LEMM like bar scrapper and loader for scrapping and loading & hydraulic excavator. During operational phase scraped material will be transported directly to the local markets. Workers will come from nearby villages at their own.
1.26	Long-term dismantling or decommissioning or restoration works?	No	River itself carries huge amount of sediment during every monsoon season so there is no restoration measures proposed at mine site.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	In safety zone, at the far end edge River bank saplings would be planted of preferred local plant species. It will check riparian erosion and creates aesthetic environment of surrounding area. By this project of river Sand/Morrum mining in the area, riverbed will hold more volume of water to ensure availability of water in nearby areas.
1.28	Influx of people to an area in either temporarily or permanently?	Yes	It is estimated that not more than 52 laborers will be employed locally from nearby areas. The influx of the people will be temporary and positive (in terms of employment).
1.29	Introduction of alien species?	No	Not Applicable.
1.30	Loss of native species or genetic diversity?	No	Not Applicable.
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	Mining will be done scientifically in the part of Yamuna River plain/bed of River
2.2	Water (expected source & competing users) unit:	Yes	Considering the fresh water requirement for 52 site laborers it is estimated that 0.52 KLD (@ 10 lpcd) water will be required. Apart from this 6 KLD water will be required for sprinkling on roads & 0.50 KLD water will be required for plantation. Thus, total water requirement of 7.02 KLD will be met through nearby existing borewells/private water tankers.

2.3	Minerals (MT)	Yes	Only Sand/Morrum will be extracted. Sand/Morrum production will be 3,60,000.000 cum.
2.4	Construction material – stone aggregates, and / soil (expected source – MT)	No	Not applicable. It is a riverbed Sand/Morrum mining project.
2.5	Forests and timber (source MT)	No	Not applicable. It is a riverbed Sand/Morrum mining project.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	Since mining activity will be carried out in day time only, housing facility for laborers is not proposed, hence, energy requirement will be limited only for scrappers and loaders.
2.7	Any other natural resources (use appropriate standard units)	No	None.

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)	Yes	Mining operations will be opencast, semimechanised/OTFM (Other Than Fully Mechanized) using light earth movers like bar scrapper and loader& hydraulic excavator. Fuel will not stored at site. Hazard is material like used oil will be properly taken care.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	It is proposed River Bed Mining (RBM) project does not cause any changes in occurrence of disease or affect disease vectors.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	The proposed project will generate employment opportunities to the nearby local people, thus will have short term and positive impact in terms of socio-Economic development.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	There are no sensitive areas i.e. school, hospital, RF, PF are present within 500 m radius of proposed project site.
3.5	Any other causes	No	None.

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	Scrapped Sand/Morrum will be transported directly to the potential domestic/local markets.
4.2	Municipal Waste (domestic and or commercial wastes)	No	Mining activities are confined to day time only, thus do not involve long term housing of the operational workers at site, hence no or very insignificant quantity of solid waste is expected to be generated. which will be disposed properly.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	Mining operations will be opencast, semimechanised/OTFM (Other Than FullyMechanized) using light earth movers& hydraulic excavator.Hazard waste like used oil will be properlydisposed.
4.4	Other industrial process wastes	No	It is proposed riverbed mining, no industrial process is involved.
4.5	Surplus product	No	Not Applicable.
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	Yes	Mining operations will be opencast, semimechanised/OTFM (Other Than Fully Mechanized) using light earth movers& hydraulic excavator. Duringthe rainy season and end of lease period machinery will be returned to its orginal place.
4.9	Contaminated soils or other materials	No	Not Applicable.
4.10	Agricultural wastes	No	Not Applicable.
4.11	Other solid wastes	No	No other sources of solid waste generation were identified within the project site or due to project activity.

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 (I) Transport vehicles will be source of air pollution. (II) Gaseous pollutants will be released from vehicular movement. It will be minimized by using water sprinklers & only PUC certified vehicles will be allowed in the mining lease area.
5.2	Emissions from production processes	No	Mining operations will be opencast, semi-mechanised/OTFM (Other Than Fully Mechanized) using light earth movers like scrappers & loaders & hydraulic excavator. There will be minor emissions during scraping and loading of Sand/Morrum which will be taken care in EMP.
5.3	Emissions from materials handling including storage or transport	Yes	There will be emissions anticipated during loading, unloading and transportation of excavated material.
5.4	Emissions from construction activities including plant and equipment	Yes	Mining operations will be opencast, semimechanised/OTFM (Other Than Fully Mechanized) using light earth movers including bar scraper & loader & hydraulic excavator.
5.5	Dust or odours from handling of materials, including construction materials sewage and waste	Yes	There will be emissions anticipated during loading, unloading and transportation of excavated material.
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	No other sources of emissions were envisaged.

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 ventilation plant, crushers e.g. engines,	No	Noise will be generated from movement of transport vehicles & by scraper & loader. Mitigation measures for suppression of noise generated due to proposed activities have been proposed in environment management plan.
6.2	From industrial or similar processes	No	Not Applicable.
6.3	From construction or demolition	No	Not Applicable.

6.4	From blasting or drilling	No	No blasting and drilling is proposed.
6.5	From construction or operational traffic	Yes	There is no construction proposed at mine. Only mining of mineral will be carried out. Vehicular movement for transportation of mining material from site may generate noise. Regular and proper maintenance of vehicles will reduce the impact.
6.6	From lighting or cooling systems	No	Proposed mining is open cast & will be carried out in day only time thus no provision of light & heat is required. No cooling system is required.
6.7	From any other sources	No	No other sources of generation of Noise and Vibration, and Emissions of Light and Heat were identified within the project site or due to project activity.

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, hazardous materials use or Spillage of hazardous materials	Yes	Hazardous waste like used oil will be properly disposed.
7.2	From discharge of sewage or other effluents water or the land (expected mode and place of discharge) to	No	The production process in combination with absence of permanent habitation will make the discharge from project negligible.
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	Water sprinkling is proposed twice a day on haul roads for suppression of dust which will be generated by vehicular movement during transportation.
7.4	From any other sources	No	No other sources of emissions were identified within the project site OR due to project activity.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	Yes	The project will be for five year. So Area will be under impact of Fugitive emission for the duration.

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
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8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	Beside of used oil spillage accassionally, no other risk of hazard is envisaged.
8.2	From any other causes	No	None.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	No	The disaster like floods, land slides and cloud burst will not effect the project. although none of them reported in the area. Area comes in seismic zone II. So Chanse of earth quick is very rare.

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	1.Project proponent will organize regular medical checkup camps and recreational activities. 2.Employment to local people will be generated. 3.Overall living standard of nearby people will have positive impact. 4.No supporting infrastructure is required since the site has good connectivity with local roads, MDR and highways. 5.Also the laborers will be hired locally thus no permanent or temporary housing is required at site.
9.2	Lead to after-use of the site, which could have an impact on the environment.	Yes	Since it is a river bed excavation, arrival of monsoon every year will replenish the excavated site. The mining activities will have positive mpcat. Greenbelt along the riparian zone will have positive impact on surrounding environment.
9.3	Set a precedent for later developments.	No	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 project will cause positive, long term impact. The area is free from any disturbances. Project will increase the pace of denelo activity in the area.

iii. Environmental Sensitivity

SNo.	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	None.	Not Applicable.
2	Areas which are important or sensitive for ecological reasons -Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	1: Yamuna River	1: 0.050 km*(S)
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No such areas identified within the core & buffer zone of the proposed project site.	Not Applicable.
4	Inland, coastal, marine or underground waters	None.	Not Applicable.
5	State, National boundaries	None.	No State or National boundaries are there within 15 km from the proposed project location boundary. Although, proposed project being less than 25 ha is exempted from such stipulations.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	1: NH 76 (Banda – Allahabad) 2: SH 95 (Manauri-Kaushambi Marg)	1: 9.0 km*(S) 2: 4.5 km*(NE)
7	Defense installations	None.	--
8	Densely populated or built-up area (aerial distances)	Nearest Village Dedhawal Uparhar:	1.3 km*(NW)
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	1: Hospital, Katari 2: Primary School, Chandaha	1: 4.0 km*(W) 2: 3.0 km*(SE)

SNo.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	1: Yamuna River	1: 0.050 km*(S)
11	Areas already subjected to pollution or environmental damage. (Those where existing legal environmental standards are exceeded).	No.	No such areas identified.
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	The proposed area falls under seismic zone-II, so chances of earthquakes are low. Mining activity will be restricted to dry season only.

"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 revoked at our risk and cost.

Date :

Place :

(Sunil Kumar Pandey)
271/200 sf-12, Band Road, Mangal Murti
Kunj, Allenganj District- Allahabad, Uttar
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. 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 5 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”.
