FORM- 1

"MINOR MINERAL"
AT

RIVER ANS, DOWN STREAM NARLOO BRIDGE MINOR MINERAL BLOCK -14 AT RIVER ANS, DOWN STREAM NARLOO BRIDGE (PLAN NO. V), TEHSIL-THAKARKOTE, DISTT-REASI, J&K (U.T.)

(AREA- 9.51 Ha)

Submitted by

MR. RAMAN KUMAR

S/O SHRI KRISHAN DUTT

R/O-ARNAS, DISTT-REASI

Prepared by

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FORM- 1

Basic Information

S. No.	Item	Details
1.	**Name of the project/s**	"MINOR MINERAL BLOCK-14 AT RIVER ANS, DOWN STREAM NARLOO BRIDGE (PLAN NO. V),
2.	**S. No. in the schedule**	1(a)i
3.	**Proposed capacity/area/length/tonnage to be/ handled / command and area/lease area/number of wells to be drilled.**	Area9.51 Ha 162378 TPA
4.	**New / Expansion / Modernization**	New Mine
5.	**Existing Capacity / Area etc.**	Not Applicable Area:9.51 Ha
6.	**Category of Project i.e. `A' or `B'**	Category B(1)
7.	**Does it attract the general condition? If yes, please specify**	No, It does not attract general condition
8.	**Does it attract the specific condition? If yes, please specify**	No, it does not attract specific condition
9.	**Location**	GPS Co-rodinates of the Project Site:
	Plot / Survey / Khasra No.	MINOR MINERAL BLOCK-14 AT RIVER ANS, DOWN STREAM NARLOO BRIDGE (PLAN NO. V),
	Tehsil	Thakarkote
	District	Reasi
	State(UT)	Jammu&Kashmir
10.	**Nearest railway station / airport along with distance in km.**	**Nearest Railway Station**: Katra Railway Station , 24.61 Km, SE **Airpor**t: Udhampur Airport,44.54 km,SE
11.	**Nearest Town, city, District Headquarters along with distance in km.**	**Nearest Town/District**: Reasi, 10.39 km,SE

Pillar No.	Latitude N	Longitude E
A	33^{0}10'51.02"	74^{0}48'36.76"
B	33^{0}10'50.81"	74^{0}48'44.45"
C	33^{0}10'39.19"	74^{0}48'51.46"
D	33^{0}10'40.65"	74^{0}48'36.35"

S. No.	Item	Details
12.	**Village Panchayats, ZillaParishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)**	**GramPanchayat**- Arnas **ZilaPanchayat**– Reasi, 10.39 km,SE
13.	**Name of the applicant**	Mr.Raman Kumar
14.	**Registered Address**	MR. RAMAN KUMAR S/O SHRI KRISHAN DUTT R/O-ARNAS, DISTT-REASI
15.	**Address for correspondence :**	
	Name	Mr.Raman Kumar
	Designation (Owner / Partner / CEO)	Owner
	Address	MR. RAMAN KUMAR S/O SHRI KRISHAN DUTT R/O-ARNAS, DISTT-REASI
	Pin Code	183213
	E-mail	-
	Telephone No.	-
	Fax No.	None
16.	**Details of alternative sites examined, if any. Location of these sites should be shown on a toposheet**	Mineral is naturally occurring resource and this is a site specific project. Hence no alternative sites can be chosen.
17.	**Interlinked Projects**	No
18.	**Whether separate application of interlinked project has been submitted?**	No
19.	**If yes, date of submission**	Not Applicable
20.	**If no, reason**	No
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 Not Applicable No Not Applicable No Not Applicable No
22.	**Whether there is any Government Order / Policy relevant / relating to the site?**	Not applicable
23.	**Forest land involved (hectares)**	The Project site is free from Forest Land
24.	**Whether there is any litigation pending against the project and / or land in which the project is propose to be set up?**	No

S. No.	Item	Details
	(a) Name of the Court **(b) Case No.** **(c) Orders/directions of the Court, if any and its relevance with the proposed project.**	

Activity

1.0 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).**	Yes	Non-arable, non-forested land of river bed. The applied lease area is mineral mineral block no-14located at River Ans, Down Stream Narloo Bridge(planno.V)&Teh-Thakarkote,Dist-Reasi,J&K(UT) This is a RBM Mining hence there will be no change in land use/topography of the area.
1.2	**Clearance of existing land, vegetation and buildings?**	No	Not Applicable
1.3	**Creation of new land uses?**	No	Not Applicable
1.4	**Pre-construction investigations e.g. bore holes, soil testing?**	No	Not required. River bed Material is directly sent to markets.
1.5	**Construction works?**	No	A small office will be hired or constructed in village for supervising work.
1.6	**Demolition works?**	No	Not Applicable
1.7	**Temporary sites used for construction works or housing of construction workers**	No	Local workers will be deployed. Mine office to be constructed to supervise work.
1.8	**Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.**	No	Excavation of river bed material maximum upto 1.0 m depth. River Bed Mining will be done according to mine plan.
1.9	**Underground works including mining or tunneling?**	No	No underground workings are proposed. There will be only open cast Manually mine.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data.
1.10	**Reclamation works?**	Yes	It is a river bed deposit and mined out area shall be replenished each year during monsoon period and depth of quarry shall be filled back by Sand, Bajri & Boulder each year.
1.11	**Dredging?**	No	No dredging required.
1.12	**Offshore structures?**	No	Not applicable
1.13	**Production and manufacturing processes?**	No	The mining will be done according to the mining plan.
1.14	**Facilities for storage of goods or materials?**	No	No storage is required, river bed material will be sold directly to consumer.
1.15	**Facilities for treatment or disposal of solid waste or liquid effluents?**	No	No or very little solid waste will be generated depending upon the man power used. No significant solid waste will be generated.
1.16	**Facilities for long term housing of operational workers?**	No	Laborers from nearby areas will be hired hence no need of housing. Temporary site office and rest shelters will be made.
1.17	**New road, rail or sea traffic during construction or operation?**	No	Not Applicable.
1.18	**New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?**	No	The existing road facility is adequate for meeting additional traffic intensity during operational phase of mine.
1.19	**Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?**	No	No closure or diversion of existing transport routes or infrastructure will take place.
1.20	**New or diverted transmission lines or pipelines?**	No	As there will be no large scale electricity or 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	As such there will be no impounding or damming throughout the year culverting realignment or other changes to the hydrology of watercourses or aquifers required.
1.22	**Stream crossings?**	No	Yes it is rever bed mining
1.23	**Abstraction or transfers of water form ground or surface waters?**	No	No abstraction of natural flow of water in the form of ground or surface water in the lease area. Working will

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data.
			be done above water table. Water requirement of 6.26 KLD will be met from tanker supply. Potable tankers will be the source of the water.
1.24	**Changes in water bodies or the land surface affecting drainage or run-off?**	No	No changes in the water bodies, drainage or runoff are anticipated.
1.25	**Transport of personnel or materials for construction, operation or decommissioning?**	Yes	During operational phase, labor/personnel shall arrange for their own means of transport either on foot or by bicycle etc. to reach to the mine site. However excavated mineral during operational phase of mine shall be transported by trucks/ tippers/ trolleys hired on contractual basis.
1.26	**Long-term dismantling or decommissioning or restoration works?**	No	Long-term dismantling or decommissioning or restoration works are not involved.
1.27	**Ongoing activity during decommissioning which could have an impact on the environment?**	No	Not Applicable.
1.28	**Influx of people to an area in either temporarily or permanently?**	No	No temporary or permanent influx of people is envisaged. The quarrying will be carried out during day time by deploying local workers, who will commute from their home.
1.29	**Introduction of alien species?**	No	Only locally thriving species will be planted.
1.30	**Loss of native species or genetic diversity?**	No	No, as such no loss of native species or genetic diversity is expected.
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	The activity will be done in the proposed mine lease river bed having no agricultural land.

S. No.	Information/checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.2	**Water (expected source & competing users) unit: KLD**	Yes	Total approx. 6.26 KLD of water shall be required for drinking purpose, green belt development and dust suppression and daily visiting workers. The water requirement shall be met through Tanker Supply.
2.3	**Minerals (MT)**	No	As this is Sand, bajri, boulder mineral mining project, so no other minerals are used in it.
2.4	**Construction material – stone, aggregates, Gitti / soil (expected source – MT)**	No	Not Applicable.
2.5	**Forests and timber (source – MT)**	No	Not Applicable
2.6	**Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)**	No	It is opencast manually mining. Mining operations shall be carried out during day time in single shift only. There is no need of electricity & fuels.
2.7	**Any other natural resources (use appropriate standard units)**	No	No other natural resources will be used.

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	Project operation will not involve use of any materials, hazardous to human health or environment.
3.2	**Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)**	No	No such impacts are anticipated.
3.3	**Affect the welfare of people e.g. by changing living conditions?**	Yes	RBM is proposed in barren or pasture land. Therefore, it is expected that due to this activity benefits will be more than the losses. The proposed project will generate employment opportunities & revenue to the state government.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
3.4	**Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.**	No	No hospital, school exists nearby the mine lease area up to 500 m radius from the mine site.
3.5	**Any other causes**	Yes	Mining Operations mainly contribute to generation of dust i.e. fugitive dust emission. Sufficient measures have been included in Environment Management Plan to mitigate the adverse effect.

4.0 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	1% of waste shall be small quantities of waste shall be generated & intermixed with sand, bajri & boulders & transported to various buyers. .
4.2	**Municipal waste (domestic and or commercial wastes)**	Yes	Not Applicable
4.3	**Hazardous wastes (as per Hazardous Waste Management Rules)**	No	No hazardous waste are envisaged
4.4	**Other industrial process wastes**	No	Not Applicable
4.5	**Surplus product**	No	No surplus product will be produced as excavation shall be done as per the demand and will be directly sent to destined places.
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**	No	Open cast, Manually.
4.9	**Contaminated soils or other materials**	No	No contaminated soil or other materials are envisaged.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.10	**Agricultural wastes**	No	No Agricultural waste will be produced
4.11	**Other solid wastes**	No	No other solid waste will be generated

5.0 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	Emissions from transport vehicles are anticipated during operation of the quarry.
5.2	**Emissions from production processes**	No	Due care like water sprinkling in haul roads, work site will be undertaken so that the impact on the environment will be minimal.
5.3	**Emissions from materials handling including storage or transport**	Yes	Tippers and Tractor trolleys will be used to carry the river bed material from the project site, which may cause fugitive dust with negligible gaseous emission. Mitigation plan is proposed.
5.4	**Emissions from construction activities including plant and equipment**	No	No construction activity is envisaged. Hence, no emissions are anticipated.
5.5	**Dust or odors from handling of materials including construction materials, sewage and waste**	No	Water sprinkling and dust collection system will be adopted wherever necessary so that the impact on the environment will be minimal. Handling of construction materials, sewage and waste is not envisaged.
5.6	**Emissions from incineration of waste**	No	No incineration will be done.
5.7	**Emissions from burning of waste in open air (e.g. slash materials, construction debris)**	No	No such activity will take place.
5.8	**Emissions from any other sources**	No	None

6.0 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 with source of information data
6.1	**From operation of equipment e.g. engines, ventilation plant, crushers**	No	Not Applicable

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.2	**From industrial or similar processes**	No	No industrial process is involved at mine lease area.
6.3	**From construction or demolition**	No	No construction or demolition is proposed.
6.4	**From blasting or piling**	No	Not Applicable
6.5	**From construction or operational traffic**	No	Not Applicable.
6.6	**From lighting or cooling systems**	No	Lighting arrangement will be done as per MMR 1961, Regulation 146.
6.7	**From any other sources**	No	Not Applicable

7.0 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, use or spillage of hazardous materials**	No	Mining shall be carried out without adoption of drilling and blasting. No explosive shall be required for soapstone mining.
7.2	**From discharge of sewage or other effluents to water or the land (expected mode and place of discharge.**	No	No effluent will be generated.
7.3	**By deposition of pollutants emitted to air into the land or into water**	No	Water sprinkling is being done and proper plantation shall be maintained to minimize the environmental impact. Fugitive dust may get deposited into surrounding area which will have negligible impact.
7.4	**From any other sources**	No	None
7.5	**Is there a risk of long term buildup of pollutants in the environment from these sources?**	No	Proper management such as water sprinkling shall be done to minimize the impact causes due to dust.

8.0 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	Not Applicable
8.2	**From any other causes**	No	Not Applicable
8.3	**Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?**	Yes	Possibility of earthquake as the area falls in Seismic Zone-IV (Very Severe Intensity Zone). Although complete precautions will be taken during the project activity to suppress the chances of any accident.

9.0 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	**Leads to development of supporting Utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:**	No	There will be no development of supporting utilities, ancillary development or development stimulated by the project which could affect the environment.
	• Supporting infrastructure (roads, power supply, waste or waste water treatment etc.)	No	Not Applicable
	• Housing development	No	Not Applicable
	• Extractive industries	No	Not Applicable
	• Supply industries	No	Not Applicable
	• Other	No	Not Applicable
9.2	**Lead to after-use of the site, which could have an impact on the environment.**	No	Not Applicable
9.3	**Set a precedent for later developments.**	No	The lessee intends to go for proper and planned development of the area, which will set a precedence to follow by other lessees in the area.
9.4	**Have cumulative effects due to proximity to other existing or planned projects with**	No	No other mine lease is located within

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
	similar effects.		500m radius of mine lease area.

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.**	None	None
2.	**Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.**	**Water Sources** ANS River	Core Zone
3.	**Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration.**	None	None
4.	**Inland, coastal, marine or underground waters.**	None	None
5.	**State, National boundaries.**	None	None
6.	**Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.**	Katra –Reasi Road Local vill road NH-1C	11.14 km,SE 680m km,NE 23.89 Km, SE
7.	**Defense installations.**	None	None
8.	**Densely populated or built-up area.**	Maltot Arnas handar	- 0.94 km, NW - 1.12 km, NE - 2.13 km,-NE
10.	**Areas containing important, high quality or scarce resources.*(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)***	No	Nil
11.	**Areas already subjected to pollution or**	No	None

S. No.	Areas	Name/Identity	Aerial distance (within 15 Km) Proposed project location boundary
	environmental damage. (*those where existing legal environmental standards are exceeded*)		
12.	**Areas susceptible to natural hazard which could cause the project to present environmental problems(*earthquakes, subsidence, landslides, erosion, flooding or extreme adverse climatic conditions*)**	The lease area falls under Seismic Zone-IV (Very Severe Intensity Zone), which indicates high possibility of earthquake.	

(IV) Proposed Terms of Reference for EIA studies: Applicable

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 give, if any to the project will be revoked at our risk and cost.

Date: _____

Place: _____ Signature of the applicant

MR. RAMAN KUMAR
S/O SHRI KRISHAN DUTT
R/O-ARNAS, DISTT-REASI

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, showinge 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, BiosphereReserves, Migratory corridors of wild Animals, the project proponent shall submit the map duly authenticated by chief wildlife Warden showing these features vis-a-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.