

**Proposed Granite Stone Mine (Minor Mineral) Mine, M.L REF.NO–2018100001315, Production Capacity -94,500 MT, Area- 1.1342 ha Village –Aamli Sookh, Tehsil – Malpura, District - Tonk (Raj.)**

***Form -I***

# **FORM-1**

**APPENDIX I**

**(See paragraph – 6)**

**FORM 1**

**I) Basic Information**

<b>S.No.</b>	<b>Item</b>	<b>Details</b>
<b>1.</b>	Name of the Project	Proposed Granite Stone (Minor Mineral) mine, M.L.Ref No.2018100001315
<b>2.</b>	S. No. in the schedule	S.No. 1(a),“B2” Category (< 25 hectare of mining lease area)as per EIA Notification dated 14.09.2006 and its subsequent amendments vide Office Memorandum NoJ.-13012/12/2013-IA-II (I) d 24.12.2013
<b>3.</b>	Proposed Capacity/area/ length /tonnage handled /command area/ lease/ number of wells to be drilled	Proposed Capacity:94,500TPA Area: 1.1342Ha
<b>4.</b>	New/Expansion /Modernization	It is a new project.
<b>5.</b>	Existing Capacity /Area etc.	Nil
<b>6.</b>	Category of Project i.e.' A' or 'B'	Category “B2.”
<b>7.</b>	Does it attract the general Condition? If yes, pl. specify.	No, it does not attract the general condition.
<b>8.</b>	Does it attract the specific Condition? If yes, pl. specify	No, it does not attract the specific condition.
<b>9.</b>	Location	The lease area of Granite Stone Mining lease is situated near village- Aamli Sookh, Tehsil – Malpura, District – Tonk (Raj.), (Rajasthan) falls in Survey of India Toposheet Nos.45N/07, 45N/11
<b>10.</b>	Plot/Survey/Khasra No	Khasra details and Jamabandi are enclosed as <b>ANNEXURE -II.</b>
	Village	Aamli Sookh
	Tehsil	Malpura
	District	Tonk

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	State	Rajasthan			
11.	Nearest railway station/airport along with distance in Km	<b>Particulars</b>	<b>Name</b>	<b>Distance</b>	<b>Direction</b>
		Nearest Airport	Jaipur (Sanganer)	67.0 Km	North East
		Nearest Railway Station	Niwai	67.0 Km	North East
12.	Nearest Town, city, District Head quarters along with distance in Km.	<b>Particulars</b>	<b>Name</b>	<b>Distance</b>	<b>Direction</b>
		Nearest Town	Malpura	14.0 Km	South East
		District Headquarters	Tonk	32.0 Km	South East
13.	Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone no's. to be given)	Panchayat Samiti	Malpura, Rajasthan		
		Municipal Corporation	Tonk, Rajasthan		
		Zila Parishad	Tonk, Rajasthan		
14.	Name of the applicant	M/s Bhagwati Mines			
15.	Registered Address	R/O-B-24, Tulip Enclave Central Spine, Vidhyadhar Nagar, Jaipur (Rajasthan).			
16.	Address for correspondence	<b>Project Proponent</b>			
17.	Name	M/s Bhagwati Mines			
	Designation (Owner/ Partner/ CEO)	Owner			
	Address	R/O-B-24, Tulip Enclave Central Spine ,Vidhyadhar Nagar, Jaipur (Rajasthan).			
	Pin Code	342023			
	E-mail				
	Telephone No				
18.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a Toposheet	No alternative site is proposed.			
19.	Interlinked Projects	None			
20.	Whether separate application of	Not Applicable			

	interlinked project has been submitted?	
<b>21.</b>	If yes, date of submission	NA
<b>22.</b>	If no, reason	The project is site specific only.
<b>23.</b>	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 NA
<b>24.</b>	Whether there is any Government Order/ Policy relevant/ relating to the site?	No
<b>25.</b>	Forest land involved (hectares)	No Forest land is involved.
<b>26.</b>	Whether there is any litigation pending against the project and/ or land in which the project is proposed 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 litigation is pending against the project.

## **(II) Activity**

**1. Construction, operation or decommissioning of the Project involving actions, which will Cause physical changes in the locality (topography, land use, changes in water bodies, etc.)**

S.No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data															
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	<p><b>Land Use:</b> The area is an undulating land. As per revenue records, the mining lease area is Private. land. The mining activity will have localized impact and will create physical change in the existing land use and environment. At the conceptual stage of mining, the excavated pit will cover 0.85 ha area out of total 1.13 ha area which will be excavated and ultimately converted to water reservoir.</p> <p><b>Land Cover:</b> The proposed M.L. area of 1.13 hectareis undulating land.</p> <p><b>Topography:</b> Topographically, the M.L. area is undulating area. The highest elevation is 306mRLand the lowest elevation is 282 mRL.</p> <p><b>Water Bodies:</b> There is no water body inside the ML area. However, some water bodies are present within 15 km radius of the ML area which are as under:</p> <table><tr><th>Water bodies/River</th><th>Distance</th><th>Direction</th></tr><tr><td>Sultan Sagar</td><td>8 Km</td><td>North East</td></tr><tr><td>Vijay Sagar</td><td>8.7 Km</td><td>North East</td></tr><tr><td>Sodra Nadi</td><td>8.1Km</td><td>South West</td></tr><tr><td>Bbairon Sagar</td><td>5 Km</td><td>North West</td></tr></table> <p><b>Vegetation:</b> The lease area is free from any type of vegetation only few bushes are present nearby lease area.</p>	Water bodies/River	Distance	Direction	Sultan Sagar	8 Km	North East	Vijay Sagar	8.7 Km	North East	Sodra Nadi	8.1Km	South West	Bbairon Sagar	5 Km	North West
Water bodies/River	Distance	Direction																
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Sodra Nadi	8.1Km	South West																
Bbairon Sagar	5 Km	North West																
S.No.	Particulates	Present	After 5 <sup>th</sup> year	At the end of life of mine land- Use														

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		<b>Land - Use</b>	<b>land- Use</b>	
1.	Top soil	--	0.01	--
2.	Excavated area	0.00	0.63	0.84 (Total excavated area will be used as water reservoir.)
3.	Overburden Dump	0.00	0.06	0.00
4.	Mineral Storage	0.00	0.02	0.00
5.	Infrastructure	0.00	0.01	0.01
6.	Plantation	0.00	0.10	0.28
7.	Undisturbed area	0.00	0.28	0.00
8.	Road/Cart track	0.00	0.002	0.00
	<b>Total</b>	<b>0.00</b>	<b>0.85</b>	<b>1.13</b>
* Out of Total plantation of 0.33 hect.0.0748 will be planted outside the lease area in nearby roadside, schools etc.				
<b>1.2</b>	Clearance of existing land, vegetation and buildings?	No	--	
<b>1.3</b>	Creation of new land uses?	No	--	
<b>1.4</b>	Pre-construction investigations e.g. bore houses, soil testing?	No	--	
<b>1.5</b>	Construction works?	No	--	
<b>1.6</b>	Demolition	No	--	
<b>1.7</b>	Temporary sites used for construction works or housing of construction workers?	No	The local people will be employed as mine workers and temporary sites / housing of construction workers will be provided on site, if required. The Rest shelter will be provided as per rule 62 & 63 of Mine Rules, 1955.	
<b>1.8</b>	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.	Yes	The area is devoid of any structures above ground so there will be no impact due to proposed mining activities. Excavation will be carried out in the ML area only so the extent of impact will be confined to M.L. area only.	

<b>1.9</b>	Underground works including mining or tunneling?	No	---
<b>1.10</b>	Reclamation works?	Yes	<p>The proposed Mining lease area is a part of Govt. land and rocky so after excavation of mineral the area will be converted into a reservoir for recharging the ground water.</p> <p>There statutory barrier along the ML area will be planted with different floral species.</p>
<b>1.11</b>	Dredging?	No	There will be no dredging.
<b>1.12</b>	Offshore structures?	No	There will be no offshore structures.
<b>1.13</b>	Production and manufacturing Processes?	Yes	<p>The Proposed mining activity will be carried out by semi- mechanized open cast method which include drilling, blasting, excavation, loading/un-loading, and transportation. The proposed production is 94,500TPA.</p> <p>The salient features of proposed mining method are:-</p> <ul style="list-style-type: none"> <li>➤ The soil (if present) will be removed and stacked in the statutory barrier for plantation purposes.</li> <li>➤ Drilling &amp; blasting to loosen the material.</li> <li>➤ Secondary blasting for better fragmentation.</li> <li>➤ The height of the benches in Granite stone mineral will be maintained at 6.0 m (when working inside the surface layer).</li> <li>➤ The width of the benches will be kept more than the height.</li> <li>➤ The mining will be done from top to bottom.</li> <li>➤ The mining will be started from X-X' (see plate) of the lease area.</li> </ul>

			<p>➤ Loading and unloading of the mineral boulders will be done by excavator.</p> <p>The soil (if present) will be removed and stacked in the statutory barrier which will be used for plantation.</p>
<b>1.14</b>	Facilities for storage of goods or materials?	Yes	Storage of goods or materials will be restricted within the lease area & will be lift on a regular basis. Thus, impact on physical environment will be insignificant.
<b>1.15</b>	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p><b>Solid Waste:</b> There is no solid waste generation during the life of mine but waste in the form of rejects will be generated which will be stacked in the lease area and will be used for backfilling afterwards.</p> <p><b>Liquid Effluent:</b> There will be no effluent due to proposed mining. However, by employment of 18 workers the sewage generated will be 1 KLD which will be diverted into septic tank followed by soak pit.</p>
<b>1.16</b>	Facilities for long term housing of operational workers?	No	No housing will be provided within the proposed ML area as the local people of nearby villages will be employed.
<b>1.17</b>	New road, rail or sea traffic during construction or operation?	No	No new road, rail or sea traffic will be required during operation of the proposed project.
<b>1.18</b>	New road, rail, air waterborne or other transport infrastructures including new or altered routes and stations, ports, airports etc?	No	No new road, rail, air & water borne or other transport infrastructures including new or altered routes and stations, ports, airports, etc will be required.
<b>1.19</b>	Closure or diversion of existing	No	No Closure or diversion of existing transport



	transport routes or infrastructure leading to changes in traffic movements?		routes or infrastructure leading to changes in traffic movements will be required.
<b>1.20</b>	New or diverted transmission lines or pipelines?	No	No new or diverted transmission lines or pipelines will be there.
<b>1.21</b>	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	There will be no impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers.
<b>1.22</b>	Stream crossings?	No	None, within the Mining Lease area.
<b>1.23</b>	Abstraction or transfers of water from ground or surface water?	No	There will be neither any abstraction nor transfers of water from ground water for Granite Stone mine. The water for daily usage will be brought from nearby villages through tankers.
<b>1.24</b>	Changes in water bodies or the land surface affecting drainage or run-off?	No	There will be no change in water bodies or the land surface affecting drainage or run-off.
<b>1.25</b>	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transport of personnel will be made by hired jeep, vans etc whereas Granite stone boulders will be transported by self-purchased/hired trucks only.
<b>1.26</b>	Long-term dismantling or Decommissioning or restoration works?	No	N/A
<b>1.27</b>	Ongoing activity during decommissioning which could have an impact on the Environment?	No	-
<b>1.28</b>	Influx of people to an area in either temporarily or permanently?	No	Only daily employed workers will be allowed to enter the M.L. area, hence no influx from the outside people in the area.
<b>1.29</b>	Introduction of alien species?	No	Not Applicable.

<b>1.30</b>	Loss of native species or genetic diversity?	No	The ML area is having very few vegetation in the form of bushes. There will be proper fencing of the ML area so as to stop the entry of any faunal species inside the ML area.
<b>1.31</b>	Any other actions?	No	Nil

**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>
<b>2.1</b>	Land especially undeveloped or agricultural land (ha)	Yes	The total area of 1.13 ha. is a part of Privet . land.
<b>2.2</b>	Water (expected source & competing users) unit: KLD	Yes	The daily water demand will be 5.0KLD which will be met from the nearby village water source.
<b>2.3</b>	Minerals (MT)	No	---
<b>2.4</b>	Construction material – stone, aggregates, sand/soil (expected source – MT)	No	--
<b>2.5</b>	Forests and timber (source – MT)	No	---
<b>2.6</b>	Energy including electricity and fuels (source, competing users)Unit: fuel (MT), energy (MW)	Yes	<b>Fuel:</b> 150LPD fuel (diesel) will be required for operating excavator &Dumpers/trucks.
<b>2.7</b>	Any other natural resources (use appropriate standard units)	No	There will be no use of any other natural resources.

**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>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>
<b>3.1</b>	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	Yes	No such substances or materials will be used which will be hazardous to human health or environment. However, explosives for blasting will be transported from nearby magazine in an approved explosive van and residue explosive after blasting will be returned to the same magazine. The explosives will be used as per Indian Explosive Act, 1884 & MMR, 1961.
<b>3.2</b>	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	-
<b>3.3</b>	Affect the welfare of people e.g. by changing living conditions?	Yes	There will be overall positive impact of the project in the nearby area due to creation of direct and indirect employment opportunities for local people. Thus, it will improve the socio-economic status of the people employed.
<b>3.4</b>	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	Not envisaged
<b>3.5</b>	Any other causes	No	Nil

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

<b>S. No.</b>	<b>Information/ Checklist</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/</b>
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	<b>confirmation</b>		<b>rates, wherever possible) with source of information data</b>
<b>4.1</b>	Soil, overburden or mine wastes	No	--
<b>4.2</b>	Municipal waste (domestic or commercial wastes)	No	--
<b>4.3</b>	Hazardous wastes (as per Hazardous Waste Management Rules)	No	--
<b>4.4</b>	Other industrial process wastes	No	There will be no other industrial process generating the waste.
<b>4.5</b>	Surplus product	No	There will be no surplus product.
<b>4.6</b>	Sewage sludge or other sludge from effluent treatment	No	There is no any requirement of effluent treatment so no sludge or sewage.
<b>4.7</b>	Construction or demolition waste	No	There will be no construction or demolition waste.
<b>4.8</b>	Redundant machinery/ equipment	No	There will be no redundant machinery or equipment.
<b>4.9</b>	Contaminated soils or other materials	No	--
<b>4.10</b>	Agricultural wastes	No	--
<b>4.11</b>	Other solid wastes	No	--

#### **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/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
<b>5.1</b>	Emissions from combustion of fossil fuels from stationary or mobile sources	No	The emission of SO <sub>2</sub> & NO <sub>x</sub> due to the machineries like compressor, crane, DG set and dumpers/trucks will be within the permissible limits due their limited use. Also, efforts will be made to minimize emissions by proper& regular maintenance of

			machinery and plantation in and around the ML area.
<b>5.2</b>	Emissions from production process	No	Some dust will be generated during loading/unloading, transportation etc. Dust suppression will be done by regular water sprinklers.
<b>5.3</b>	Emissions from materials handling including storage or transport	Yes	Air pollutants like NO <sub>x</sub> , SO <sub>2</sub> etc. generated due the transportation machineries will be maintained within the permissible limits.
<b>5.4</b>	Emissions from construction activity including plant & equipment	No	---
<b>5.5</b>	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Some dust will be generated during loading/unloading and movement of vehicles. Dust suppression will be done by regular water sprinkling.
<b>5.6</b>	Emission from incineration of waste	No	---
<b>5.7</b>	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	---
<b>5.8</b>	Emissions from any other sources	No	Nil

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

<b>6.1</b>	From operation of equipment e.g. engines, ventilation plant, crushers.	Yes	During the mining operations, noise will be generated by use of compressor, jack hammer, crane,D.G. set, dumpers/ trucks.Suitable prescribed control measures will be adopted from time to time to keep the noise levels within the permissible limits. Regular maintenance of machineries will be there to control the noise of the equipments.
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<b>6.2</b>	From industrial or similar process	No	There will be no other industrial process.
<b>6.3</b>	From construction or demolition	No	Not required
<b>6.4</b>	From blasting or pilling	No	--
<b>6.5</b>	From construction or operational traffic	No	No construction work will be done. However, compressor & hydraulic jack will be used for mining purposes while truck will be used for transportation. Hence, during machinery operation and vehicular movement the noise will be generated which will get attenuated inside the lease area. However, PPE will be used by the employed persons. The plantation will be done in and around the lease area to attenuate the noise.
<b>6.6</b>	From lighting or cooling systems	No	---
<b>6.7</b>	From any other sources	No	---

**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:**

<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>
<b>7.1</b>	From handling, storage, use or spillage of hazardous materials	No	No use or spillage of hazardous material will take place as except periodical change of oil at respective workshop outside the project area. So no handling or storage will be there. Care will be taken during use for lubrication of equipments so that nothing falls on the ground to contaminate the soil. Equipments will be kept well maintained to keep them leakage free.
<b>7.2</b>	From discharge of sewage or	No	--

	other effluents to water or the land (expected mode and place of discharge).		
<b>7.3</b>	By deposition of pollutants emitted to air into the land or into water.	No	N/A
<b>7.4</b>	From any other sources	No	Not envisaged
<b>7.5</b>	Is there a risk of long term buildup of pollutants in the environment from these sources?	No	Not envisaged as adequate pollution control measures during mining operations will be adopted.

**8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment**

<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>
<b>8.1</b>	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	Possibility of accident on account of explosion, spillages, fire or hazardous substances etc will not be there as there will be no storage, handling, use or production of hazardous substances. However, special care will be taken during the storage and transfer of the explosives to avoid any kind of accidents.
<b>8.2</b>	From any other causes	No	--
<b>8.3</b>	Could the project be affected by natural disasters causing Environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	The project site falls in Zone-II as per IS 1893 (Part-I): 2002. Hence, seismically it is a stable zone.

**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**

<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>
<b>9.1</b>	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) Housing development Extractive industries.	Yes	Proposed mining project will result in further development of the surrounding area by increase in direct and indirect employment opportunities for the region. The plantation in the village will further improve the environment & aesthetic beauty of the area.  No adverse effect on environment and supporting infrastructure will be envisaged by proposed mining project. All the precautions will be taken to control the pollution. Therefore, there will be no negative impact on existing infrastructure of surrounding villages.
<b>9.2</b>	Lead to after-use of the site, which could have an impact on the environment	Yes	The after use of site will act as a water reservoir. It will be better site than the present due to increased capacity of storage of water an additional water source will be created for irrigation and other household purposes which will ultimately improve the environment of the area and agro-productivity.
<b>9.3</b>	Set a precedent for later developments	Yes	A better after land use scenario will certainly increase the aesthetic beauty of surrounding area in addition to benefit of greenery which will set precedence for subsequent entrepreneurs who venture such projects.
<b>9.4</b>	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	A better planned and executed project has to yield better results individually as well as to the society which in turn has to give better cumulative effect.

### **(III) Environmental Sensitivity**



**Proposed Granite Stone Mine (Minor Mineral) Mine, M.L REF.NO–2018100001315, Production Capacity -94,500 MT, Area- 1.1342 ha Village –Aamli Sookh, Tehsil – Malpura, District - Tonk (Raj.)**

**Form -I**

S.No.	Areas	Name/ Identity	Aerial distance (within 15 Km.) Proposed project location boundary. Toposheet is enclosed as ANNEXURE-III															
1.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	--															
2.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	Available water bodies and rivers falls within 15 Km radius Buffer zone as follows: <table><tr><th>Water bodies/River</th><th>Distance</th><th>Direction</th></tr><tr><td>Sultan Sagar</td><td>8 Km</td><td>North East</td></tr><tr><td>Vijay Sagar</td><td>8.7 Km</td><td>North East</td></tr><tr><td>Sodra Nadi</td><td>8.1Km</td><td>South West</td></tr><tr><td>Bhairon Sagar</td><td>5 Km</td><td>North West</td></tr></table>	Water bodies/River	Distance	Direction	Sultan Sagar	8 Km	North East	Vijay Sagar	8.7 Km	North East	Sodra Nadi	8.1Km	South West	Bhairon Sagar	5 Km	North West
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Sodra Nadi	8.1Km	South West																
Bhairon Sagar	5 Km	North West																
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	No such area is located within 15 Km radius from M.L. area. <table><tr><th>R.F &amp; P.F.</th><th>Distance</th><th>Direction</th></tr><tr><td>Chandsen Tordi R.F</td><td>4.1 Km</td><td>SW</td></tr></table>	R.F & P.F.	Distance	Direction	Chandsen Tordi R.F	4.1 Km	SW									
R.F & P.F.	Distance	Direction																
Chandsen Tordi R.F	4.1 Km	SW																
4.	Inland, coastal, marine or Underground	No	No such area is located within 15Km radius of M.L.area.															
5.	State, National boundaries.	No	No State or National Boundary is located within the Project site.															
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	Yes	SH-37A, (12.5Km, SW), SH-12,(5.0Km,NW)															
7	Defense installations.	None	Nil															
8	Densely populated or built-up area.	Yes	Aamli Sookh–0.3Km, SE Malpura–14.0Km, SE															
9	Areas occupied by sensitive manmade land uses (hospitals,schools, places of Worship)	Yes	<b>School:-</b> A Senior secondary school facility is available at village – Malpura (14.0 Km,SW). <b>Hospital:-</b> Dispensary facility is available at Aamli Sookh, at about 0.3 Km from M.L.area. A General															

			Medical facility is available Malpura and Tonk. <b>Temple:</b> Hanuman ji ka mandir, at Aamli Sookh ( 0.3Km,).						
10	Areas containing important, high quality or scarce resources (Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals).	No	<b>Forest:</b> -Following Protected & Reserved Forests fall within 15 km radius of Buffer zone, are as follows: <table border="1"><thead><tr><th>R.F &amp; P.F.</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>Chandsen Tordi R.F</td><td>4.1 Km</td><td>SW</td></tr></tbody></table> <b>Water:</b> - No Surface water body is there in the M.L. area. Ground water is the major source of water in this region. Water table is observed at depth of 45 m and 40 m below the surface during pre- monsoon and post-monsoon period respectively. Proposed ultimate working level (30m) will be above the water table. Hence, water table will not be intersected. <b>Agricultural:</b> - Agriculture is one of the major occupations in this region. As the ML area is a Govt. waste land and mining is confined only in the ML area so no impact on the vegetation.	R.F & P.F.	Distance	Direction	Chandsen Tordi R.F	4.1 Km	SW
R.F & P.F.	Distance	Direction							
Chandsen Tordi R.F	4.1 Km	SW							
11	Areas already subjected to pollution or environmental damage. (Those where existing legal environmental standards are exceeded).	None	--						
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).	None	The project site falls in Zone-II as per IS 1893 (Part-I): 2002. Hence, seismically it is a stable zone. No Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions are observed in past.						

I hereby give this undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost.

Date:

Place:

**Signature of the applicant**  
(Sh. Mukesh Kumar Sheshma)  
**Proprietor**