

**PROPOSAL FOR ENVIRONMENTAL CLEARANCE
FOR
ADDITION OF MINERAL SANDSTONE & ENHANCEMENT
OF PRODUCTION
FOR
MASONARY STONE & SANDSTONE MINE**

**(MINOR MINERAL, CATEGORY – B2)
NEAR VILLAGE – BUJAWAD,
TEHSIL – LUNI,
DISTRICT– JODHPUR, (RAJ.)
ML NO. – 03/2002
AREA – 1.0 HECTARES**

**PROPOSED PRODUCTION CAPACITY – 80,000 MT
PROJECT COST: - 60 LAKHS**

PROJECT PROPONENT

**Shri Ganpat Singh S/o Sh. Madan Singh
R/o – Village – Bujawad,
Tehsil – Luni, District – Jodhpur (Raj.)
Email – ganpatsingh8013@gmail.com
Mob. - 9828978013**

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FORM I

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

APPENDIX I
(See paragraph – 6)
FORM 1

(I) Basic Information

| S. No. | Item | Details |
|--------|---|---|
| 1. | Name of the project | Masonry Stone & Sandstone Mine |
| 2. | S. No. in the schedule | S. No. 1(a) mining of mineral is Categorized in category “B” under S. No. 1 (a) (≤50 hectare of mining lease area). As per Gazette Notification dated 14th September 2006 & its amendments December 2009, April, 2011, Sept., 2013, 2016 & 2018. The Environmental Clearance has been made mandatory for minor minerals having lease area less than 5 ha. |
| 3. | Proposed capacity/area/length/ tonnage to be handled/command area/lease area/number of wells to be drilled | Proposed Capacity: 80000 TPA of Masonary Stone & Sandstone. M.L. Area: 1.0 hectare |
| 4. | New/ Expansion/ Modernization | Expansion (Increase in production capacity from 62200 TPA to 80000 TPA of mineral iin the lease & addition of mineral Sandstone |
| 5. | Existing capacity / Area etc. | The area of 1.0 Hectares. Applicant has applied for EC for the enhancement of production of Masonry Stone & Sandstone. |
| 6. | Category of project i.e. ‘A’ or ‘B’ | Category ‘B’. |
| 7. | Does it attract the general condition? If yes, please specify. | No, it does not attract the general Condition. |
| 8. | Does it attract the specify condition? If yes, please specify. | No, it does not attract the specific Condition. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| 9. | Location | S. No. | Particulars | Details |
| | | 1. | Near Village | Bujawad |
| | | 2. | Tehsil | Luni |
| | | 3. | District | Jodhpur (Raj.) |
| | | 4. | Toposheet No. | 45B/15 &16 |
| | | 5. | FRP | Corner of Dhani of shri Mohan lal Dholi |
| | | Demarcation report with lease map is enclosed As Annexure No. I. | | |
| | Plot/ Survey/ Khasra No. | M.L. No. 03/2002. | | |
| | Village | Bujawad (about 0.5 Km in S) | | |
| | Tehsil | Luni (about 26 km far from the village in SE) | | |
| | District | Jodhpur (about 15 km from the village in NE) | | |
| | State | Rajasthan | | |
| 10. | Nearest railway station/ airport along with distance in kms. | <ul style="list-style-type: none"> • Railhead : Bagat Ki Koti (Jodhpur) (about 12.10 km in NE) • Airport: Jodhpur (about 15 Kms. in NE) | | |
| 11. | Nearest Town, city, District Headquarters along with distance in kms. | <ul style="list-style-type: none"> • Town: Jodhpur (about 13 km in NE). • City: Jodhpur • District Headquarter : Jodhpur | | |
| 12. | Village Panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given) | <ul style="list-style-type: none"> • Village Panchayat – Bujawad • Nagar Palika – Jodhpur • Zila Parishad – Jodhpur • Municipal Corporation - Jodhpur • Postal address with telephone no. Bujawad , Luni District – Jodhpur (Raj.) | | |
| 13. | Name of the applicant | Shri Ganpat Singh S/o Sh. Madan Singh Applicant is a private individual. | | |
| 14. | Registered Address | Shri Ganpat Singh S/o Sh. Madan Singh R/o – Village – Bujawad, Tehsil – Luni, District – Jodhpur (Raj.) Email – ganpatsingh8013@gmail.com Mob. - 9828978013 | | |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| 15. | Address for correspondence | Applicant: Shri Ganpat Singh S/o Sh. Madan Singh R/o – Village – Bujawad, Tehsil – Luni, District – Jodhpur (Raj.) Email – ganpatsingh8013@gmail.com Mob. - 9828978013 Env. Consultant: M/s R.K.Consultants 17E/777, Chopasni Housing Board Jodhpur Tele Fax - 0291 - 2706098, E-mail: - rkconsultantsjodhpur@gmail.com |
| 16. | Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet. | No alternative site has been taken into consideration due to availability mineral at particular location |
| 17. | Interlinked Projects | None |
| 18. | Whether separate application of interlinked project has been submitted? | Not Applicable |
| 19. | If yes, date of submission | Not Applicable |
| 20. | If no, reason | It's an independent project. |
| 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? | The area was demarcated on 26.08.2002 by department of Mines and Geology, Jodhpur. Demarcation report is enclosed as Annexure No. I. This mining lease was granted in name of Shri Ganpat Singh S/o Sh. Madan Singh. Thereafter lessee applied for the renewal of time period of the grant of the lease from 20 years to 30 years. The grant of the lease period was extended from |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | <p>20years to 30 years from the date of 14.01.2003. Photocopy of Rider Agreement is enclosed as Annexure No. II.</p> <p>Inclusion of mineral of mineral sandstone with addition to earlier sanction mineral Masonary Stone has been taken place vide DMG letter No. vide DMG Letter No. DIR/P.2(H.4) JOD/ M.L No. 03/2002/2017/730 Date 16/05/2018</p> <p>photocopy of inclusion letter is enclosed as Annexure - III</p> <p>Area is not falling in the Aravali Hill Ranges. Refer Annexure No IV Aravali letter stated that area do not fall in the hill ranges.</p> <p>Refer Annexure V showing map of Location of other mine within 500mts radius from periphery of lease area.</p> |
| 23. | Forest land involved (hectares) | None |
| 24. | <p>Whether there is any litigation pending against the project and/ or land in which the project is propose to be set up?</p> <p>(a) Name of the Court</p> <p>(b) Case No.</p> <p>(c) Orders/ directions of the Court, if any and its relevance with the proposed project.</p> | <p>No litigation is pending against the project or the land in which this project is proposed to be set up.</p> |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

(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 | <ul style="list-style-type: none">As per revenue records the area for the proposed project is categorized as Govt. waste Land. There will be impact on land use and topography of the area due to mining operations.The lease area under having flat topography.The highest contour in the area is 258 mRL and the lowest contour is 255 mRL.There is no forest land in the area.There is no well situated in the lease and there is no nalla flowing in the area but one Gollasni Nadi is flowing at a distance of 2.90 Km. in SE from the lease area.During rainy season, rain water flows down to the general slope and flows into the nearby fields outside the lease area.The proposed method of mining will be open cast semi mechanized. drilling and blasting is involved.For the systematic working of open cast mines, benching will be done. The height of bench will not be kept more than 6 m at a time and the width of benches will be always more than the height.At the end of life of mine total excavated area will be 0.84 hectares which of the area will be |

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| | | | <p>used as water reservoir & Backfill.</p> <ul style="list-style-type: none"> ▪ The plantation done outside area and remaining plants were planted in phase manner in an area of 33% of total area. ▪ No plantation and dense vegetation is observed except some thorny bushes and Local Plant i.e Neem Babool, Vilayati Babool etc. |
| 1.2 | Clearance of existing land, vegetation and buildings? | Yes | <ul style="list-style-type: none"> ▪ The lease area exists in the govt. waste Land, and is devoid of any significant vegetation and building thus no clearance is required. |
| 1.3 | Creation of new land uses? | Yes | <ul style="list-style-type: none"> ▪ Mining and its related activities will change the land use pattern and topography of the area. ▪ At the end of the life of mine total excavated area will be 0.84 hac. And will be used for water reservoir (0.7189 hect.) & Backfill (0.1211 hect.). |
| 1.4 | Pre-construction investigations e.g. bore houses, soil testing? | No | Not applicable |
| 1.5 | Construction works? | Yes | <ul style="list-style-type: none"> ▪ As per approved mining plan the statutory requirements like mine office cum rest shelters, First Aid Centre, Toilets, etc. have been proposed at the lease area . |
| 1.6 | Demolition works? | No | <ul style="list-style-type: none"> ▪ No demolition is proposed at the mining site. |
| 1.7 | Temporary sites used for construction works of housing of construction workers? | No | <ul style="list-style-type: none"> ▪ Local villagers will be employed thus no specific Site is required for constructing the houses for the workers. Rest shelters have been proposed for the workers. |
| 1.8 | Above ground buildings structures , cut and fill or excavations | Yes | <ul style="list-style-type: none"> ▪ Construction of mine office cum rest shelter, toilets, First Aid center etc. will be done at the lease area. ▪ Earthworks: Excavation operations for mining |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | | will be carried out. |
| 1.9 | Underground works including mining or tunneling? | No | <ul style="list-style-type: none"> No underground working. |
| 1.10 | Reclamation works? | Yes | <ul style="list-style-type: none"> There will be some waste to be produced during the mining which will be not usable as a masonry stone & sandstone. This mineral reject will be treated as a waste and stacked in the lease area & will be used for backfilling of part of the excavated area.. In the next two year there is no proposal for reclamation of the land affected by mining because the bottom of the Masonary stone & sandstone will not be reached. At the end of the life of mine total excavated area will be 0.84 hac. And will be used for water reservoir (0.7189 hect.) & Backfill (0.1211 hect.).Thus no waste dump left at the end of the life of the mine. Mineral reject will be stacked separately within the lease area. The plantation done outside area and remaining plants were planted in phase manner in an area of 33% of total area. |
| 1.11 | Dredging? | No | <ul style="list-style-type: none"> There is no Dredging involved in this Lease area. |
| 1.12 | Offshore structures? | No | <ul style="list-style-type: none"> Not applicable |
| 1.13 | Production and manufacturing processes? | Yes | <ul style="list-style-type: none"> The proposed method of mining will be semi mechanized open cast mining with drilling and blasting. Drilling of the holes will be done through compressed air operated jackhammer. The explosive shall be handled by the blasting party and blasting will be done by the blasting |

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| | | | <p>contractor. Hence no storage is required for explosive at the site.</p> <ul style="list-style-type: none"> ▪ The working will be done by forming systematic benches. The height of bench will not be kept more than 6 m at a time and the width of the benches will always be more than the height. ▪ At the end of the two year 160004 MT of masonry stone & Sandstone will be excavated. ▪ Waste generated fine rock fragments produced during the mining will be treated as waste. At the end of the two year 16000 cum of reject will be generated and will be stacked inside lease |
| 1.14 | Facilities for storage of goods or materials? | Yes | <ul style="list-style-type: none"> ▪ Mineral & generated waste will stack temporary at the earmarked site & then mineral will be transported from mine site to required destination. |
| 1.15 | Facilities for treatment of disposal of solid waste or liquid effluents? | Yes | <ul style="list-style-type: none"> ▪ Solid Wastes: The waste obtained weathered granule masonry stone & sandstone will be stacked separate near boundary & will be used for backfill ▪ Liquid Waste: No STP & ETP is required as no waste water will generate. |
| 1.16 | Facilities for long term housing of operational workers? | No | <ul style="list-style-type: none"> ▪ Local residents will be employed in the project thus no housing facilities are required at the mine site. |
| 1.17 | New road, rail or sea traffic during construction or operation? | No | <ul style="list-style-type: none"> ▪ During the operation phase traffic will increase, however the existing road network will be sufficient to handle the increased traffic load. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| 1.18 | New road, rail or air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.? | No | <ul style="list-style-type: none"> Existing road network will be adequate. No new road /rail required. |
| 1.19 | Closure or diversion of existing transport routes or infrastructures leading to changes in traffic movements? | No | <ul style="list-style-type: none"> There will be no such change caused due to the proposed project. |
| 1.20 | New or diverted transmission lines or pipelines? | No | <ul style="list-style-type: none"> There is no proposal for new construction or diversion of any transmission lines or pipelines. |
| 1.21 | Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers? | No | <ul style="list-style-type: none"> There is no water course falling in this lease area. |
| 1.22 | Stream crossings? | No | <ul style="list-style-type: none"> There is no any water body or Seasonal stream crossing within the lease area. |
| 1.23 | Abstraction or transfers of water from ground or surface waters? | Yes | <ul style="list-style-type: none"> Total water requirement is about 1-2 KLD. 0.25-0.5KLD(Drinking & Domestic Uses) 0.25-0.5KLD (Plantation) 0.5-1.0 KLD (Dust Suppression). Drinking water & water for dust suppression & for plantation purpose will be made available by nearby villages through the tankers. |
| 1.24 | Changes in water bodies or the land surface affecting drainage or run-off? | Yes | <ul style="list-style-type: none"> Since there is no water course in the lease area thus no change is anticipated on the water bodies, drainage or run off. Excavated area will be used water storage and will create a positive impact on the topography of the area. |
| 1.25 | Transport of personnel or materials for construction operation or decommissioning? | No | <ul style="list-style-type: none"> The staff and the workers involved in the project will use the local transport for communication to the project area. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| 1.26 | Long-term dismantling or decommissioning or restoration works? | No | <ul style="list-style-type: none">▪ Long term restoration work goes concurrent with mining operations viz. stacking of mined out waste & mineral reject at earmarked place and development of green belt/plantation.▪ During the conceptual period a part of the excavated area will be used for rain water storage, which will improve the aesthetic beauty of the environment. |
| 1.27 | Ongoing activity during decommissioning which could have an impact on the environment? | No | <ul style="list-style-type: none">▪ No activity of commissioning or decommissioning is proposed in this mine area. |
| 1.28 | Influx of people to an area in either temporarily or permanently? | No | <ul style="list-style-type: none">▪ Technical and managerial staff will be employed for the operation of mines as per the qualifications mentioned in the rules and regulations.▪ Mostly local residents from the nearby villages will be deployed for carrying out mineral extraction, maintenance of road and other miscellaneous work. |
| 1.29 | Introduction of alien species? | No | <ul style="list-style-type: none">▪ Only Local wild species which are already present will be given preference during afforestation programme. |
| 1.30 | Loss of native species or genetic diversity? | No | <ul style="list-style-type: none">▪ No significant loss of native species will occur |
| 1.31 | Any other actions? | No | <ul style="list-style-type: none">▪ No other actions are proposed. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

2. Use of Natural resources for construction or operation of the project (Such as Land, water, material 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) | Yes | <ul style="list-style-type: none">▪ The land status in the area is govt. waste land. |
| 2.2 | Water (expected source & competing users) unit: KLD | Yes | <ul style="list-style-type: none">▪ 1-2 KLD of water will be required for mining and its allied activities and will be made available from the Village.▪ Water stored in the pit during the rainy season will be used for dust suppression and plantation. |
| 2.3 | Minerals (MT) | Yes | <ul style="list-style-type: none">▪ 80000 TPA of Masonary Stone & Sandstone is proposed to be produced. |
| 2.4 | Construction material – stone, aggregates, and / soil (expected source – MT) | No | <ul style="list-style-type: none">▪ No construction is proposed at the mine site. |
| 2.5 | Forests and timber (source – MT) | No | <ul style="list-style-type: none">▪ No forest or timber products are involved in this project. |
| 2.6 | Energy including electricity and fuel (source, competing users) Unit: fuel (MT) energy (MW) | No | <ul style="list-style-type: none">▪ No Electricity is required as the machinery used in the mining operations will be diesel operated. |
| 2.7 | Any other natural resources (use appropriate standard units) | No | <ul style="list-style-type: none">▪ No other natural resource will be required. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

3. Use, storage transport handling or production of substance or material, 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 substance or materials which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies) | No | <ul style="list-style-type: none">explosive cord will be used for the blasting as per requirement.The explosive shall be handled by the blasting party himself and the blasting will be done by the blasting contractor as per present practice. |
| 3.2 | Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases) | No | <ul style="list-style-type: none">Proper precautions will be taken up to maintain hygienic conditions of working. |
| 3.3 | Affect the welfare of people e.g. by changing living conditions? | Yes | <ul style="list-style-type: none">Living conditions will change for better as beneficial aspects would be there due to employment generation. |
| 3.4 | Vulnerable groups of people who could be affected by the project e.g. hospital patient, children, the elderly etc, | No | <ul style="list-style-type: none">Impacts of this type are not expected as mine site is far away from settlements and no unauthorized person will be allowed to enter mining area. |
| 3.5 | Any other causes | No | <ul style="list-style-type: none">Not Applicable. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

4. Production of solid waste 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 | <ul style="list-style-type: none">▪ The waste obtained will be weathered granule masonry stone & sandstone and stacked at the earmarked site within the lease area.▪ Waste generated will be stacked near the boundary pillar. |
| 4.2 | Municipal waste (domestic and or commercial wastes) | No | <ul style="list-style-type: none">▪ No municipal waste will generate thus no treatment is required. |
| 4.3 | Hazardous wastes (as per Hazardous Waste Management Rules) | No | <ul style="list-style-type: none">▪ No hazardous process waste will be generated from the proposed project. |
| 4.4 | Other industrial process wastes | No | <ul style="list-style-type: none">▪ As mineral beneficiation will not be done for the propose project, there will be absence of any industrial process waste. |
| 4.5 | Surplus product | No | <ul style="list-style-type: none">▪ Mineral excavated will be sent to the local retailers. |
| 4.6 | Sewage sludge or other sludge from effluent treatment | No | <ul style="list-style-type: none">▪ No sewage will generate thus no treatment is required. |
| 4.7 | Construction or demolition wastes | No | <ul style="list-style-type: none">▪ No Construction or demolition activity will be done in proposed area. |
| 4.8 | Redundant machinery or equipment | No | <ul style="list-style-type: none">▪ There is no redundancy of machineries involved, as the machineries are movable and will be |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | | removed from the mine lease area after the lease is over and will be used elsewhere. |
| 4.9 | Contaminated soils or other materials | No | ▪ Due to mining process no contamination of soil will be caused. |
| 4.10 | Agricultural wastes | No | ▪ No Agricultural waste will generate. |
| 4.11 | Other solid waste | No | ▪ No other solid waste will generate. |

5. Release of pollutants or any hazardous, toxic or noxious substance 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 | <ul style="list-style-type: none"> ▪ Diesel equipments used for transportation and mining process will generate insignificant emissions. However, efforts will be made to reduce the diesel consumption with proper maintenance of equipments and machineries, proper calibration of fuel pumps, timely changing of filters etc. |
| 5.2 | Emissions from production processes | Yes | <ul style="list-style-type: none"> ▪ Dust will be generated due to drilling Blasting and plying of vehicles ▪ Dust is the main pollutant which, will generate from the various production processes like drilling, blasting, handling and transportation of mineral. ▪ The measures which will be followed to reduce the scale of dust emissions are:- <ol style="list-style-type: none"> 1. Dry dust extractor will be used. 2. Dust mask will be provided to the driller and operator. 3. Water sprinkling will be regularly used on the haul roads. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | | 4. Plantation to act as green barrier. |
| 5.3 | Emissions from materials handling including storage or transport | Yes | <ul style="list-style-type: none"> ▪ Regular water sprinkling on haul roads will suppress the dust particles which will generate during drilling & blasting, material handling, loading of material and during the transportation. Controlled loading and unloading will be done from the stack yards to destination. ▪ Regular maintenance of the transporting vehicles and the machineries. |
| 5.4 | Emissions from construction activities including plant and equipment | No | <ul style="list-style-type: none"> ▪ No construction activity is proposed in the mine lease area. |
| 5.5 | Dust or odors from handling of materials including construction materials sewage and waste | Yes | <ul style="list-style-type: none"> ▪ Emission of dust due to movement of vehicles, loading & unloading, drilling & blasting will produce impact on air. ▪ Measures like water sprinkling, green belt development and maintaining haul roads will reduce the dust emissions and impact on air. ▪ No odor will generate during the process. |
| 5.6 | Emissions from incineration of waste | No | <ul style="list-style-type: none"> ▪ No incineration activity is involved. |
| 5.7 | Emissions from burning of waste in open air (e.g. slash materials, construction debris) | No | <ul style="list-style-type: none"> ▪ No waste will be burnt in open air. |
| 5.8 | Emissions from any other sources | No | <ul style="list-style-type: none"> ▪ No other emissions will be there. |

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 e.g. engines, ventilation plant, crushers | Yes | <ul style="list-style-type: none"> There will be occasional sound of blasting, compressor and jack hammer when drilling of holes will be made, at the time of backhoe operation and due to movement of transporting vehicles. Standard measures will be taken up to control it. Measures like lubrication & preventive maintenance shall be taken to control noise from the machinery. PPE's like earmuff will be used by employees. Regular noise level monitoring will be done and noise level will be kept within permissible limits. Green belt development will act as sound barrier. |
| 6.2 | From industrial or similar processes | No | <ul style="list-style-type: none"> There is no proposal of process plant. |
| 6.3 | From construction or demolition | No | <ul style="list-style-type: none"> Construction or demolition will not be carried out for the proposed project. |
| 6.4 | From blasting or piling | No | <ul style="list-style-type: none"> The generation of noise and vibration produced due to blasting operation will be controlled by means of |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | | controlled blasting using delay detonators and proper charging of the holes. |
| 6.5 | From construction or operational traffic | Yes | <ul style="list-style-type: none"> Due to vehicular traffic and material & overburden/waste transportation within the lease area, noise will generate but measures will be taken up to control the noise levels within the DGMS & CPCB norms. |
| 6.6 | From lighting or cooling system | No | <ul style="list-style-type: none"> Mining will be done in day time so no lighting will be required and cooling systems are not required. |
| 6.7 | From any other sources | No | <ul style="list-style-type: none"> No other source of noise and vibration are there. |

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface water 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 | <ul style="list-style-type: none"> Oiling and lubrication of hauling vehicles will be done by using oil tray to prevent spillage on soil. Vehicles and machinery will be well maintained to prevent leakage of oil. |
| 7.2 | From discharge of sewage or other effluents to water or the land (expected mode and place of discharge) | No | <ul style="list-style-type: none"> There is no risk of contamination of land or water as the discharge from domestic sewer will be very insignificant and will be collected |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | | in the soak pits only. |
| 7.3 | By deposition of pollutants emitted to air into the land or into water | Yes | <ul style="list-style-type: none">▪ Dust generated during the mining process, loading and transportation may cause impact on the air but the measures followed will control the air pollutions.▪ The waste obtained is non toxic in nature and will not cause negative impact on land environment.▪ No liquid waste will generate. Hence there is no risk of contamination of air, water and land.▪ Regular/periodical monitoring will be done. Refer Annexure VI for Environment Management Plan. |
| 7.4 | From any other sources | No | <ul style="list-style-type: none">▪ No other sources are there |
| 7.5 | Is there a risk of long term build up of pollutants in the environment from these sources | No | <ul style="list-style-type: none">▪ Not applicable as the M. L. Area is categorized as government waste Land and the waste generated will include fine rock fragments which are non toxic in nature and thus will not risk of building up long term pollutants in the environment. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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 | <ul style="list-style-type: none">▪ Blasting will be required for the loosening of strata.▪ The explosive shall be handled by the blasting party and blasting will be done by blasting contractor.▪ The mining will be done on the hilly portion and though there is no human settlement in the bottom of the hill, special precautions will be taken to reduce fly rock problem. All the adequate precautions as per provisions MMR 1961 will be taken.▪ The safety precautions like efficient siren will be blown prior to the blasting and at the clearance of blasting. |
| 8.2 | From any other causes | Yes | <ul style="list-style-type: none">▪ Accidents by transport vehicles due to negligence and/or ignoring the safety aspects.▪ Accidents during mining caused due to negligence or bad mining practice.▪ However, to deal the minor incidences and accidents, first aid measures at site will be provided. |
| 8.3 | Could the project be affected by natural disaster causing environmental damage (e.g. floods, earthquake, | No | <ul style="list-style-type: none">▪ The project is located in the Seismic Zone II. There has been no flood, cloudbursts and landslide reported so far. |

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| | landslides, cloudburst etc) | | |
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9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

| S. No. | Information/Checklist confirmation | Yes/No | Details thereof (with approximate quantities /rates, wherever possible) with source of information data |
|--------|--|--------|---|
| 9.1 | <p>Lead to development of supporting. Cities, ancillary development or development stimulated by the project which could have impact on the environment</p> <p>*Supporting infrastructure (roads, power supply, waste or waste water treatment, etc)</p> <p>* Housing development</p> <p>* Extractive industries</p> <p>* Supply industries</p> <p>* Other</p> | No | <ul style="list-style-type: none"> ▪ The project will improve the socio-economic status of villages around the mine area. ▪ The project will also benefit the local people by generating the employment. ▪ Improvement in educational facilities. ▪ Provision of Health facilities will be implied. ▪ Conditions of the nearby village Roads will be improved. |
| 9.2 | <p>Lead to after use of the site, which could have an impact on the environment</p> | No | <ul style="list-style-type: none"> ▪ The lease area is located in the remote area with very little vegetation. The after use of site planned would be better than the present, owing to proposed green belt development in the lease |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | | | <p>area.</p> <ul style="list-style-type: none">▪ Excavated area will be used for the purpose of water reservoir and will develop the aesthetic beauty of the area.▪ Plantation will be done over the part of the boundary barrier & outside area. |
| 9.3 | Set a precedent for later developments | No | <ul style="list-style-type: none">▪ A better after use scenario with increase in greenery. |
| 9.4 | Have cumulative effects due to proximity to other existing or planned projects with similar effects | Yes | <ul style="list-style-type: none">▪ There are few mines in the vicinity of this area.▪ A better planned and executed project has to yield a better result individually; which in turn has to give better cumulative effect also. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

(III) Environmental Sensitivity

| S. No | Areas | Name/ Identity | Aerial distance (within 15km,) Proposed project location boundary |
|-------|---|-------------------|---|
| 1 | Areas protected under international conventions, national or local legislation for their ecological, landscape cultural or other related value | No | <ul style="list-style-type: none"> No such place is there in 15 km radius. |
| 2 | Areas which are important or sensitive for ecological reasons- Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests | Yes | <ol style="list-style-type: none"> Gollasani Nadi at about 2.90km towards SE direction Kailana Lake at about 9.04km towards NE direction Bujawad Village Pond at about 0.53km towards N <ul style="list-style-type: none"> Barli Bharuji Pond at about 9.75km towards NE direction |
| 3 | Areas used by protected important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration | Yes | Machiya Biological Park at about 11.0 km towards SE |
| 4 | Inland, coastal, marine or underground waters | No | <ul style="list-style-type: none"> No such place is there in 15 km radius |
| 5 | State, National boundaries | No | <ul style="list-style-type: none"> No such place is there in 15 km radius |
| 6 | Routes or facilities used by the public for access to | Yes | <ul style="list-style-type: none"> Jodhpur tourist place at about 10.0 km towards. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | recreation or other tourist, pilgrim areas | | |
| 7 | Defense installations | Yes | ▪ Jodhpur at about 11.5km |
| 8 | Densely populated or built up area | Yes | Village Bujawad ▪ As per Census 2011 the population of Bujawad is 1067 at about 0.5 Km towards South East direction. |
| 9 | Areas occupied by sensitive man made land uses (hospitals, schools, places of worship, community facilities) | Yes . | <ul style="list-style-type: none"> • Upper Primary school present at Bujawad at about 0.85 km • Sec Sec School present at Jhanwar at about 5.50km Govt Hospital present at Jhanwar & Jodhpur at about 5.5km& 10km |
| 10 | Areas containing important, high quality or scarce resources, surface resources, forestry, agriculture, fisheries, tourism, minerals) | Yes | ▪ Mineral Masonary stone & Sandstone is abundantly available in this area. Thus mining industry is the chief source of income. |
| 11 | Areas already subjected to pollution or environmental damage (those where existing legal environmental standards are exceeded) | No | ▪ None within 15 km radius. |
| 12 | Areas susceptible to natural hazard which could cause the project to present environmental problems (Earthquakes, subsidence, | No | <ul style="list-style-type: none"> ▪ The study area of the lease area falls in Zone II of the Seismic Map. ▪ There has been no incidence of landslide, earthquake or flooding. |

Project: M.L. No. 03/2002

Masonry Stone & Sandstone Mine, Bujawad, Luni, Jodhpur

Lessee: Sh. Ganpat Singh S/o Sh. Madan Singh

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| | landslides, erosion, flooding or extreme or adverse climatic conditions) | | |
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(IV) Proposed Terms of Reference for EIA studies

The lease area of Masonary stone & Sandstone Mine is situated Near Village Bujawad, Tehsil – Luni and District – Jodhpur, Rajasthan in an area of 1.0 hectare. As per our field study there is negligible impact of the project activity on environment so accord us environment clearance as per the provisions of the EIA Notification dated 14th Sept. 2006 vide para clause 7.0 sub-clause 7(i)1 under stage (1) – Screening, it provides that the case of Category ‘B’ projects or activity.

Objectives

The proposed production capacity of the project is 80000 MTPA of Masonary stone & Sandstone. As the project in reference to the EIA notification Sep, 2006 and its amendments December, 2009, April, 2011, September 2013 & December 2013, 2016 & 2018 has been categorized under B. So project may be assessed for Environment Clearance.

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 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.

Place: Jodhpur

**Ganpat Singh S/o Sh. Madan Singh
(Mine Owner)**

Date:

Enclosed: Pre Feasibility Project Report with Annexure