

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** J&K/PUL/LST-05

**Mine code :** 38J&K14005

- (i) Name of the Inspecting : **G013** ) **DEEPAK SHARMA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : G N Chodhary and Muddasir Lone  
Official with  
Designation
- (iv) Date of Inspection : 04-JUN-23
- (v) Prev.inspection date : 16-MAR-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BAJNARI BATHYAN (KHREW)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : JAMMU & KASHMIR  
District : PULWAMA  
Village : BAJNAR BATHYAN KHREW  
Taluka : PAMPORE  
Post office :  
Pin Code : 191103  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 20-DEC-11
- (h) Weekly day of rest : SUN
2. Address for : R/O NISHAT ISHBAR, GUPT GANGA  
correspondance SRINAGAR, J&K
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked :

Owner : UMAR SHAFI TRUMBOO  
R/O NISHANT ISHBAR, GUPT  
GANGA, SRINAGAR J&K  
SRINAGAR JAMMU & KASHMIR  
Phone:  
FAX :

6. Date of approval of Mining :  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

| Sl.No. | Item  | Proposals   | Actual work  | Remarks  |
|--------|---|---|--|--|
| 1a     | Backlog of previous year  | It was proposed to drill 5 boreholes in the reporting year      | Proposed boreholes were drilled in the reporting year          | Form J & Form K submitted in the office  |
| 1b     | Exploration over lease area for geological axis 1 or 2              | Potential mineralized area is explored upto G1 level            | Potential mineralized area is explored upto G1 level           |  |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | Proposed  | Contractual basis under supervision of company Geologist       |  |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | ML area is explored upto G1 level                               | ML area is already explored upto G1 level                      |  |
| 1e     | Balance reserve as on 01/04/20                                      | 111-9067600<br>121&122-15369950<br>331-19145050<br>333-36362300 | 111-7939664<br>121&122-15369950<br>331-19145050<br>333-3636300 | Units are in tones Production depleted from year 2018-19 to 2022-23 Reserve and Resources arte as per approved mining plan of 2018               |
| 1f     | General remarks of inspecting officers on geology, exploration etc  |   |  | Limestone of the ML area belongs to upper Triassic formation, limestone of the ML is of light to dark grey in color, small to medium grain size. |

## Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

|    |   |   |   |  |
|----|---|---|---|--|
| 2a | Location of development w.r.t.lease area  | It was proposed to work in the pit 1 Central part of the ML area  | Working was as per proposed location      |  |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15)                          | It was proposed to prepare and maintain benches in OB and Mineral | Bench are maintained in Mineral Limestone | OB was not available as the ML belongs to Upper Triassic formation and nominal quaternary soil present in the ML |
| 2c | Stripping ratio or ore to OB ratio  | 1:0.00  | 1:0.00                                    | Due to nominal OB  |
| 2d | Quantity of topsoil generation in m3  | Nil   | Nil                                       | No Soil generated in the reporting year  |
| 2e | Quantity of overburden generation in m3   | Nil   | Nil                                       |  |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |   |   | Working was done in the proposed location, there is very nominal OB of quaternary.                               |

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### Exploitation:

| Sl.No. | Item  | Propasals                                | Actual work                               | Remarks |
|--------|---|--|---|---------|
| 3a     | Number of pit proposed for production                   | Single Pit Mining were proposed in Pit-1 | Working was done in pit 1 as per proposal |         |
| 3b     | Quantity of ROM mineral production proposed             | 334200                                   | 332800                                    |         |
| 3c     | Recovery of sailable/usable mineral from ROM production | 100%                                     | 100%                                      |         |

|    |  |   |  |   |
|----|--|---|--|---|
| 3d | Quantity of mineral reject generation  | Not Proposed  | Not Applicable   |   |
| 3e | Grade of mineral rejects generation and threshold value declared.                                    | Not Proposed  | Not Applicable   |   |
| 3f | Quantity of sub grade mineral generation.  | Not Proposed  | Not Applicable   |   |
| 3g | Grade of sub grade mineral generation  | Not Proposed  | Not Applicable   |   |
| 3h | Manual / Mechanised method adopted for segregating from ROM  | Mechanized method Proposed  | Mechanical method adopted  |   |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.      | Not proposed  | Not Applicable   |   |
| 3j | Provision of drilling and blasting in mineral benches  | Proposed  | as per proposed mining plan  | blasting in the state is prohibited due to security reasons |
| 3k | Provision of mining machineries in mineral benches   | HEMM is proposed to be used in the mineral benches for excavation and Transportation of mineral | HEMM is being used in the mineral benches for excavation of mineral and transportation |   |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Proposed  | As per approved mining plan  |   |
| 3m | Total area covered under excavation/pits   | 6.9 hect  | 6.21 hect  |   |

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|----|--|--|--|----|
| 3n | Ore to OB ratio for the pit/mine during the year.                        | 1:1.00   | 1:1.00   |    |
| 3o | Total area put in use under different heads at the end of year           | 9.9 hect   | 9.45 hect  |    |
| 3p | Production of ROM mineral during the last five year period as applicable | 2021-22=334200<br>2020-21=370650<br>2019-20=361800<br>2018-19=150000 | 2021-22=332800<br>2020-21=370300<br>2019-20=213900<br>2018-19=210936 |    |
| 3q | General remarks of inspecting officers on method of mining etc.          |  |  | NA |

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Solid Waste Management - Dumping:

| Sl.No. | Item   | Propasals     | Actual work                                     | Remarks |
|--------|--|---------------|---|---------|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Proposed      | Separate benches are prepared in OB and mineral |         |
| 4b     | Location of topsoil, OB and mineral reject dumps                 | Not Proposed  | Not Applicable                                  |         |
| 4c     | Number of dumps within lease area and outside of lease area      | Not Proposed  | Not Applicable                                  |         |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)            | Not Proposed  | Not Applicable                                  |         |
| 4e     | Number of active and alive dumps.                                | Not Proposed  | Not Applicable                                  |         |
| 4f     | Number of dead dumps.  | Not Available | Not Applicable                                  |         |
| 4g     | Number of dumps established.                                     | Not Proposed  | Not Applicable                                  |         |

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|----|--|--------------|----------------|--|
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Proposed     | 250 meters     |  |
| 4i | Length of Retaining wall or garland drain all along dumps          | Proposed     | 350 meters     |  |
| 4j | Number of settling ponds   | Not Proposed | Not Applicable |  |
| 4k | Specific comments of inspecting officer on waste dump management   |              |                | Retaining walls were prepared in the ML area and garland drains were also prepared along with the road |

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Solid Waste Management - Backfilling:

| Sl.No. | Item  | Proposals   | Actual work   | Remarks |
|--------|---|---|---|---------|
| 5a     | Status of part or full extraction of mineral from mined out area before starting backfilling. | full extraction mineral is proposed upto the level of UPD | Full extraction of mineral is not done yet, mineral continuity still exists |         |
| 5b     | Area under backfilling of mined out area  | Not Proposed  | No area fully mature for backfilling  |         |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | No top soil generated during the reporting year           | Nil   |         |
| 5d     | Total area fully reclaimed and rehabilitated  | Not Proposed  | No area fully mature enough for reclamation program                         |         |

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|----|--|--|
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | Mineral is still continue in the pits, pits are not fully extracted yet, reclamation and rehabilitation program not started yet. |
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Progressive Mine Clousre Plan:

| Sl.No. | Item   | Propasals     | Actual work                        | Remarks |
|--------|--|---------------|------------------------------------|---------|
| 6a     | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).                               | Proposed      | Submitted                          |         |
| 6b     | Area available for rehabilitation (ha) .   | Nil           | Nil                                |         |
| 6c     | afforestation done (ha).   | 0.168         | 0.168 over private land near by ML |         |
| 6d     | No. of saplings planted during the year  | 500-600       | 840                                |         |
| 6e     | Cumulative no .of plants   | 2000          | 2350 aprox                         |         |
| 6f     | Any other method of rehabilitation   | Not Proposed  | Not Applicable                     |         |
| 6g     | Cost incurred on watch and care during the year  | Not Mentioned | Not Available                      |         |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | Not Proposed  | Not Applicable                     |         |

|    |   |              |  |
|----|---|--------------|--|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings         | Not Proposed | Not Applicable   |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area        | Not Proposed | Not Applicable   |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Not Proposed | Not Applicable   |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.                 | Not Proposed | Not Applicable   |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation                                 | Proposed     | 625-630 No of samplings were planted during the reporting year |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)                     | 0.168 hect   | 0.168 hect   |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation                    | Not Proposed | Not Applicable   |

|    |   |              |                |  |
|----|---|--------------|----------------|--|
| 6p | Compliance of environmental monitoring (core zone and buffer zone)                                | Not Propsoed | Not Applicable |  |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. |              |                | As per approved mining plan Only plantation work was done in the lease area in the reporting year. as the mine started in the year 2018 and only development work was carried out along with production. development work mainly was preparation of approach road to the hill top. |

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Mineral Conservation:

| Sl.No. | Item  | Propasals                | Actual work                             | Remarks |
|--------|---|--------------------------|---|---------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area    | ROM dispatch is proposed | ROM is being dispatched to cement plant |         |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | Mechanical method        | Mechanical Method Adopted               |         |
| 7c     | Different grade of mineral sorted out at mines.                 | Not Proposed             | Nil                                     |         |
| 7d     | Any beneficiation process at mines                              | Not Proposed             | Nil                                     |         |

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|----|--|---|
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | ROM is being dispatch to captive cement plant |
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**Environment:**

| Sl.No. | Item  | Propasals    | Actual work                           | Remarks  |
|--------|---|--------------|---------------------------------------|--|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | Proposed     | Nil                                   | During the reporting year no soil generated        |
| 8b     | Concurrent use or storage of topsoil  | Propose      | Nil                                   | During the reporting year no soil generated        |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | Proposed     | Nil                                   | No OB or waste generated during the reporting year |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Proposed     | As and when generated                 |  |
| 8e     | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Not Proposed | No area mature enough for the process |  |
| 8f     | Baseline information on existence of plantation and additional plantation done (Rule 41)                    | Proposed     | As per approved mining plan           |  |

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| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | aesthetic beauty of the ML and surrounding area is eye catching | aesthetic beauty of the ML and surrounding area is eye catching |
|----|--|---|---|

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Compliance of Rule 45:

| Sl.No. | Item  | Propasals                  | Actual work   | Remarks |
|--------|---|----------------------------|---|---------|
| 9a     | Status of submission of Monthly and Annual returns                                  | AR and MR submitted online | AR and MR submitted online                                  |         |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | furnished                  | Muddasir Ahmed-Geologist,<br>Aejaj Muzaffar-Mining Engineer |         |

|    |   |           |   |
|----|---|-----------|---|
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Furnished | <p>. Lease area (surface area) utilisation as at the end of year (hectares)</p> <p>Under forest<br/>Outside forest Total</p> <p>(i) Already exploited &amp; abandoned by opencast (O/C) mining<br/>0.000 9.300 9.300</p> <p>(ii) Covered under current (O/C) Workings 0.000 0.600<br/>0.600</p> <p>(iii) Reclaimed/Rehabilitated<br/>0.000 0.000 0.000</p> <p>(iv) Used for waste disposal 0.000 0.000<br/>0.000</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings &amp; roads 0.000<br/>0.000 0.000</p> <p>(vi) Other Purpose (Parapet wall, Retaining wall) 0.000 0.300 0.300</p> |
| 9d | Scrutiny of Annual return on afforestation  | Furnished | <p>(a) Within lease area<br/>(b) Outside lease area</p> <p>(i) Number of trees planted during the year<br/>840 1000</p> <p>(ii) Survival rate in percentage 50.00 60</p>  |

|    |   |                       |   |
|----|---|-----------------------|---|
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Furnished             | Sec 4. Mineral Rejects for Limestone<br>4.2 Opencast<br>4.2(B) (ii) Mineral Rejects generated with grades (tonnes)<br>a. Quantity 0<br>b. Grade 0<br>4.3 Underground<br>4.3(i) Mineral Rejects generated with grades (tonnes)<br>a. Quantity 0<br>b. Grade 0  |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                    | Furnished             | Production and Stocks of ROM ore at Mine-head ( LIMESTONE )<br>Category Opening stock (in tonne)<br>Production (in tonne)<br>Closing stock (in tonne)<br>(a) Open Cast Workings<br>0.000 332800.000 0.000<br>(b) Underground Workings<br>0.000 0.000 0.000<br>(c) Dump Workings 0.000<br>0.000 0.000<br>2. Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore( LIMESTONE )<br>Grades Opening stock at mine head (in tonne)<br>Production (in tonne)<br>Dispatches from mine head (in tonne)<br>Closing stock at mine head (in tonn |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Ex Mine Price 165 INR | Ex Mine Price 165 INR   |

|    |   |           |   |
|----|---|-----------|---|
| 9h | Scrutiny of Annual return on fixed assets       | Furnished | Furnished - 0   |
| 9k | Scrutiny of Annual return on mining machineries | Furnished | Type of machinery<br>Capacity of each unit<br>No.of units<br>Electrical/<br>Non-Electrical<br>(specify)<br>Used in opencast/<br>underground<br>(specify)<br>TIPPER 6.000 CUM 10 Non<br>Electrical Opencast<br>SHOVEL (HYDRAULIC) 0.750<br>CUM 4 Non Electrical<br>Opencast<br>WATER TANKER 12000.000<br>LITRE 1 Non Electrical<br>Opencast<br>AIR COMPRESSOR 12.700<br>CUM/MN 2 Non Electrical<br>Opencast<br>ROCK DRILL (NONELEC.)<br>102.000 MM 2 Non<br>Electrical Opencast<br>ROCK DRILL (NONELEC.)<br>35.000 MM 2 Non<br>Electrical Opencast |

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**Details of violations observed during current inspection and compliance position of violation pointed out**

| Violation observed |           |               | Show couse position |           |               |
|--------------------|-----------|---------------|---------------------|-----------|---------------|
| Rule NO.           | Issued on | Compliance on | Rule NO.            | Issued on | Compliance on |

**Date :**

**(DEEPAK SHARMA)**

Indian Bureau of Mines