

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** J&K/UDM/MAG-1

**Mine code :** 39J&K10001

- (i) Name of the Inspecting : **S038** ) **SHAILENDRA SAKLANI**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S.K.MISHRA, SENIOR SURVEYER & PUNIT GUPTA PROJECT MAN  
Official with  
Designation
- (iv) Date of Inspection : 09/06/2016
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PANTHAL(140.8H)**
- (b) **Registration NO.** : **IBM/20225/2016**
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : JAMMU & KASHMIR
- District : UDHAMPUR
- Village : PANTHAL
- Taluka : UDHAMPUR
- Post office : PANTHAL
- Pin Code : 182320
- FAX No. : 0191-2436950
- E-mail : jkmdc@nmdc.co.in
- Phone : 0191-2431396
- (f) **Police Station** :
- (g) **First opening date** : 01/06/1990
- (h) **Weekly day of rest** : SUN
2. **Address for** : J.K.MINERAL DEV.CORPN.LTD.  
**correspondance** 143/A GANDHI NAGAR  
JAMMU - J&K
3. (a) **Lease Number** : J&K0007
- (b) **Lease area** : 0
- (c) **Period of lease** : 10
- (d) **Date of Expiry** : 02/01/1999
4. **Mineral worked** : **MAGNESITE** Main

## 5. Name and Address of the

Lessee : J.K.MINERAL DEV.CORPN.LTD.  
FARIDABAD HARYANA  
Phone:  
FAX :

## Mining Engineer

Name : SHAKEEL AHMAD RAFIQUI, Full Time  
Qualification :  
Appointment/ : 01/01/2011  
Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 08/02/2000  
Plan/Scheme of Mining : Renewal under rule 22 MCR1960 23/12/2008

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals were given for exploration for the year 2015-16	No exploration work has been carried out during the year 2015-16. The mine development work were started in the year 1990. Later due to low cost of magnesite available from China, the development work was stopped in 2002 and this project was kept under Care & Maintenance. During 2006, Board of NMDC desired to conduct a fresh market survey to explore the market and it was learnt that production of DBM is the best techno economic feasible option	In the first phase board decided to prepare the project report. However, the mine is still not in operation.
1b	Exploration over lease area for geological axis 1 or 2	No proposals are given in the approved mining plan approved on 31.08.2016	Type-I ore within the pit limit is the mineable reserve which falls under the proved mineral reserve. feasibility is based on the DPR prepared by MECON during the year 2009 followed by feasibility report. The entire body is well represented by boreholes drilled at 50m interval. Boreholes were carried out in 50x 50m grid. Exploration has been carried out in the past upto G1 level under the geological axis.	Mining operations are yet not commenced.

1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration was proposed during the year 2015-6. The proposal period 2015-16 has been treated as lapse period.	DGM, J&K and NMDC Ltd carried out the detailed exploration in the past. This includes reconnaissance survey, systematic surface and sub surface exploration on a grid pattern of 50m interval, trenching at regular interval along traverse grid lines, chemical analysis of groove samples, drilling of vertical holes and aditing. NMDC also carried out detailed exploration from 1987 to 1992 comprising of boreholes, pitting and sampling etc	Adequate exploration work has been carried out in the past.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Since the mine is under care and maintenance, however, proposal for future exploration has been given in the mining plan for the year 2016-17 to 2018-19 by putting trenches.	Exploration work shall be taken subject to commencement of mining operation. Based on detailed exploration total reserves and resources have been estimated to the tune of 4.05 million tonnes. Out of this, 2.61 million tonnes have been estimated under 111 category.	Mining operations yet not started.

---

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The mining plan for this mine was approved on 31.08.2016 and year 2015-16 has been treated as lapse period.	Mining yet commenced. The project is still under care and maintenance.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals are given for the year 2015-16	2015-16 has been treated as lapse period. Mining operations have yet not been commenced. however, proposals have been incorporated for the year 2016-17. As per approved mining plan it is envisaged that waste, top soil and sub grade mineral excavated will be seperately stacked at the earmarked place. The interburden generated along with the mineral will also be removed along with waste and will be stacked at dumping site.	Mining operations has yet not been started.
2c	Stripping ratio or ore to OB ratio	No stripping ratio is proposed for the year 2015-16.	No stripping ratio is proposed for the year 2015-16. however, during the year 2016-17 the stripping ratio is prposed as 1:0.24.	
2d	Quantity of topsoil generation in m3	NIL during the year 2015-16	Mining operations has yet not been started. Hence not applicable.	
2e	Quantity of overburden generation in m3	NIL during the year 2015-16	Mining operations has yet not been started. Hence not applicable.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No developmental activities were proposed for the year 2015-16.	No developmental activities were proposed for the year 2015-16. During the year 2016-17 developmental activities like preparation, levelling and widening of existing approach roads are proposed. In addition to this, mining is prposed at 1420-1404mRL benches subject to commencement of mining operations.	

---

Exploitation:

---

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

---

3a	Number of pit proposed for production	No pit is proposed for exploitation of magnesite during the year 2015-16.	No pit is proposed for exploitation of magnesite during the year 2015-16. During the year 2016-17 single pit is proposed to be worked subject to commencement of mining operations.
3b	Quantity of ROM mineral production proposed	No pit is proposed for exploitation of magnesite during the year 2015-16.	Not applicable
3c	Recovery of sailable/usable mineral from ROM production	Not applicable as no mining is proposed during the year 2015-16. Year 2015-16 has been considered as lapse period	Not applicable as no mining is proposed during the year 2015-16. Year 2015-16 has been considered as lapse period
3d	Quantity of mineral reject generation	Not applicable	Not applicable as mining activities has yet not taken place
3e	Grade of mineral rejects generation and threshold value declared.	NIL during the year 2015-16.	Not applicable as mining activities has yet not taken place
3f	Quantity of sub grade mineral generation.	NIL	Not applicable as mining activities has yet not taken place
3g	Grade of sub grade mineral generation	NIL	Not applicable as mining activities has yet not taken place
3h	Manual / Mechanised method adopted for segregating from ROM	Nil during the year 2015-16. However, mechanised methods are proposed to be adopted during the year 2016-17 subject to commencement of mining operations. Mine and project is still under care and maintenance.	Not applicable as mining activities has yet not taken place.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Nil during the year 2015-16	Nil during the year 2015-16. However, mine is proposed to be worked out by opencast minig method. blast holes will be done by using wagon drills and jack hammers drills. Controlled blasting will be carried out during the year 2016-17 subject to commencement of mining operations. Mine and project is still under care and maintenance.
3k	Provision of mining machineries in mineral benches	Nil during the year 2015-16	Nil during the year 2015-16. However, mining machineries shall be deployed including Loader/BEML, excavator wagon drills, compressor, jack hammer, tractor mounted with air compressor and tippers during the year 2016-17 subject to commencement of mining operations. Mine and project is still under care and maintenance.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil during the year 2015-16	for the year 2016-17 height of benches in overburden and mineral is proposed.
3m	Total area covered under excavation/pits	Nil during the year 2015-16	Nil during the year 2015-16
3n	Ore to OB ratio for the pit/mine during the year.	Nil during the year 2015-16	Nil during the year 2015-16
3o	Total area put in use under different heads at the end of year	Nil during the year 2015-16	Nil during the year 2015-16

3p	Production of ROM mineral during the last five year period as applicable	NIL	NIL
3q	General remarks of inspecting officers on method of mining etc.	Nil during the year 2015-16	Mining has yet not started.

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not applicable	Not applicable since mining operations has yet not been started.	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Not applicable since mining operations has yet not been started.	
4c	Number of dumps within lease area and outside of lease area	Nil	Not applicable since mining operations has yet not been started.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Not applicable since mining operations has yet not been started.	
4e	Number of active and alive dumps.	Nil	Not applicable since mining operations has yet not been started.	
4f	Number of dead dumps.	Nil	Not applicable since mining operations has yet not been started.	
4g	Number of dumps established.	Nil	Not applicable since mining operations has yet not been started.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Not applicable since mining operations has yet not been started.	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Not applicable since mining operations has yet not been started.	
4j	Number of settling ponds	Nil	Not applicable since mining operations has yet not been started.	



4k	Specific comments of inspecting officer on waste dump management	Nil	Not applicable since mining operations has yet not been started.
----	--	-----	--

---

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Not applicable since mining operations has yet not been started.	
5b	Area under backfilling of mined out area	Nil	Not applicable since mining operations has yet not been started.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Not applicable since mining operations has yet not been started.	
5d	Total area fully reclaimed and rehabilitated	Nil	Not applicable since mining operations has yet not been started.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Not applicable since mining operations has yet not been started.	

---

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).	Not applicable	Not applicable as the mining operations has not yet started	
6b	Area available for rehabilitation (ha) .	Not applicable	Not applicable as the mining operations has not yet started	

6c	afforestation done (ha).	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6d	No. of saplings planted during the year	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6e	Cumulative no. of plants	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6f	Any other method of rehabilitation	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6g	Cost incurred on watch and care during the year	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not been started yet.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable as the mining operations has not yet started	Not applicable as the mining operations has not yet started

---

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals were given in the mining plan. The year 2015-16 has been been treated as lapse period.	Not applicable as the mining operations has yet not been started	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	Not applicable as the mining operations has yet not been started	

---

7c	Different grade of mineral sorted out at mines.	NIL	Not applicable as the mining operations has yet not been started
7d	Any beneficiation process at mines	NIL	Not applicable as the mining operations has yet not been started
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	Not applicable as the mining operations has yet not been started

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals were incorporated during the year 2015-16 which has been treated as lapse period.	Not applicable as the mining operations has yet not been started	
8b	Concurrent use or storage of topsoil	NIL	Not applicable as the mining operations has yet not been started	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	Not applicable as the mining operations has yet not been started	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	Not applicable as the mining operations has yet not been started	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	Not applicable as the mining operations has yet not been started	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	Not applicable as the mining operations has yet not been started
8g	Survival rate	NIL	Not applicable as the mining operations has yet not been started
8h	Water sprinkling on roads to control airborne dust	NIL	Not applicable as the mining operations has yet not been started
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	Not applicable as the mining operations has yet not been started

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	NIL	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return for the year 2015-16 has been scrutinised. No specific items are incorporated as the mining operation are yet to be started.	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not applicable	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.	

9d	Scrutiny of Annual return on afforestation	NIL	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.
9h	Scrutiny of Annual return on fixed assets	As per annual return value of fixed assets is indicated to the tune of Rs. 14.65 crores	The value of fixed assets comprising of the value of land and building.
9k	Scrutiny of Annual return on mining machineries	NIL	Mining operations has yet not been started. However, annual for nil production has been submitted by the party within the stipulated time.

---

**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 :**

(**SHAIENDRA SAKLANI**)

Indian Bureau of Mines