

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BMR-18/GYP-11

Mine code : 29RAJ04013

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : B S Rathore
Official with
Designation
- (iv) Date of Inspection : 19-DEC-16
- (v) Prev.inspection date : 19-JUN-03

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THOB-1**
- (b) **Registration NO.** : **IBM/5108/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : BARMER
Village : THOB
Taluka : PACHPADRA
Post office : THOB
Pin Code : 344032
FAX No. : 0151-2523519
E-mail : rsmmlgyp@vsnl.com
Phone : 0151-2542291
- (f) Police Station :
- (g) First opening date : 07-FEB-00
- (h) Weekly day of rest : SUN
2. Address for : Rajasthan State Mines and Minerals Ltd
correspondance : Sadul club Building
Bikaner, Rajasthan
3. (a) Lease Number : RAJ0445
- (b) Lease area : 126.77
- (c) Period of lease : 20
- (d) Date of Expiry : 06-JAN-14
4. Mineral worked : GYPSUM Main

5. Name and Address of the

Lessee : RAJASTHAN STATE MINES & MINERALS LTD.
RSMM LTD., GYPSUM DIVN.
SADUL CLUB BUILDING,
BIKANER BIKANER RAJASTHAN
Phone:0151-2523295, 2544178, 2542291, 2542133
FAX :0151-2523519

Owner : B. P. Yetru, IAS
M/S RSMM Ltd. 4- Meera
Marg, Udaipur UDAIPUR
RAJASTHAN
Phone:
FAX :

Agent : P. P. Mathur
M/S RSMM Ltd. 2- Gandhi
Nagar Scheme, Bikaner (Raj)
BIKANER RAJASTHAN
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	There was no approved mining plan of the mine approved by IBM.	No exploration work carried out.	
1b	Exploration over lease area for geological axis 1 or 2	There was no approved mining plan of the mine approved by IBM.	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	There was no approved proposals.	None	
1d	Balance area to be explored to bring Geological axis in 1 or 2	There was no approved proposals.	Not reported	
1e	Balance reserve as on 01/04/20	There was no approved proposals.	1.15 Lakh Tonnes as reported.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	There was no approved mining plan of the mine approved by IBM. Hence it is difficult to comment on geology & exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There was no approved mining plan of the mine approved by IBM & there are no approved proposals.	NA	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There are no approved proposals.	There is single bench working.	

2c	Stripping ratio or ore to OB ratio	There are no approved proposals.	1:3.4 as reported.
2d	Quantity of topsoil generation in m3	There are no approved proposals.	No account maintained.
2e	Quantity of overburden generation in m3	There are no approved proposals.	No account maintained.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	There are no approved proposals.	Single pit	
3b	Quantity of ROM mineral production proposed	There are no approved proposals.	1253.93 T as reported	
3c	Recovery of sailable/usable mineral from ROM production	There are no approved proposals.	50% as reported	
3d	Quantity of mineral reject generation	There are no approved proposals.	The mineral reject/Waste had been simultaneously backfilled in exhausted area of Working Pit.	
3e	Grade of mineral rejects generation and threshold value declared.	There are no approved proposals.	NA	
3f	Quantity of sub grade mineral generation.	There are no approved proposals.	There is no subgrade mineral generation.	
3g	Grade of sub grade mineral generation	There are no approved proposals.	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	There are no approved proposals.	Manual	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	There are no approved proposals.	NO
3j	Provision of drilling and blasting in mineral benches	There are no approved proposals.	None
3k	Provision of mining machineries in mineral benches	There are no approved proposals.	JCB Excavator for excavation & loading of Mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There are no approved proposals.	Yes
3m	Total area covered under excavation/pits	There are no approved proposals.	5602 Sq Meter
3n	Ore to OB ratio for the pit/mine during the year.	There are no approved proposals.	1 : 4.5 as reported
3o	Total area put in use under different heads at the end of year	There are no approved proposals.	Pit- 5602 Sq Meter.
3p	Production of ROM mineral during the last five year period as applicable	There are no approved proposals.	2011-12-- 1553.2 T, 2012-13--1336.7 T, 20113-14--NIL, 2014-15-- NIL, 2015-16--1244.87 T
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There are no approved proposals.	The top soil is not usable for plantation due to high salinity. The Excavated O/B in the form of loose Soil is Symultaneously back filled in exhausted part of the working pit.
4b	Location of topsoil, OB and mineral reject dumps	There are no approved proposals.	Not applicable
4c	Number of dumps within lease area and outside of lease area	Not applicable	Not applicable
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable
4e	Number of active and alive dumps.	Not applicable	Not applicable
4f	Number of dead dumps.	Not applicable	Not applicable
4g	Number of dumps established.	Not applicable	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable
4j	Number of settling ponds	Not applicable	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals of mining operations. The O/B excavated is backfilled in exhausted part of Pit.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals of mining operations. The O/B excavated is backfilled in exhausted part of Pit.	The O/B excavated is backfilled in exhausted part of Pit.
5b	Area under backfilling of mined out area	There are no approved proposals of mining operations. The O/B excavated is backfilled in exhausted part of Pit.	The O/B excavated is fully backfilled in exhausted part of Pit & levelled.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There are no approved proposals of mining operations.	The top soil is highly saline & not usable for growth of Plants.
5d	Total area fully reclaimed and rehabilitated	There are no approved proposals of mining operations.	The total area excavated had been backfilled & leveled. No reclamation is feasible.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals of mining operations. The O/B excavated is backfilled in exhausted part of Pit & levelled.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	There was no approved mining plan including PMCP of the mine approved by IBM & as such there are no approved proposals of mining operations. The O/B excavated is backfilled in exhausted part of Pit & levelled.	The annual report of PMCP was not filled for the year 2015-16.	It has been pointed out as violation.
6b	Area available for rehabilitation (ha) .	There are no approved proposals of mining operations.	The O/B excavated is backfilled in exhausted part of Pit & levelled.	
6c	afforestation done (ha).	There are no approved proposals of mining operations.	Except thorny babool no other species are grown due to high salinity in the area.	
6d	No. of saplings planted during the year	There are no approved proposals of mining operations.	Due to high salinity plant growth is Nil.	
6e	Cumulative no .of plants	There are no approved proposals of mining operations.	Due to high salinity plant growth is Nil.	
6f	Any other method of rehabilitation	There are no approved proposals of mining operations.	None	
6g	Cost incurred on watch and care during the year	There are no approved proposals of mining operations.	Not reported.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	There are no approved proposals of mining operations.	The entire excavated area had been backfilled & levelled.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There are no approved proposals of mining operations.	The entire excavated area had been backfilled & levelled.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	There are no approved proposals of mining operations.	The afforestation is not feasible due to high salinity of the backfilled soil.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There are no approved proposals of mining operations.	There is no such proposal.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	There are no approved proposals of mining operations.	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	There are no approved proposals of mining operations.	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	There are no approved proposals of mining operations.	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	There are no approved proposals of mining operations.	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	There are no approved proposals of mining operations.	There is no monitoring carried out.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals of mining operations. The O/B excavated is backfilled in exhausted part of Pit & levelled.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There are no approved proposals of mining operations.	The entire ROM is dispatched to the consumers.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There are no approved proposals of mining operations.	Mechanised Screening Plant installed in the area.	
7c	Different grade of mineral sorted out at mines.	There are no approved proposals of mining operations.	Only single grade	
7d	Any beneficiation process at mines .	There are no approved proposals of mining operations.	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable.	There was no approved mining plan of the mine approved by IBM & as such there are no approved proposals of mining operations.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There are no approved proposals of mining operations.	The top soil is highly saline & does not support Vegetation.	

8b	Concurrent use or storage of topsoil	There are no approved proposals of mining operations.	The top soil is highly saline & does not support Vegetation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There are no approved proposals of mining operations	The Fines not secured properly by retaining wall or otherwise.	It has been pointed out as violation.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	There are no approved proposals of mining operations.	There is no use of excavated loose Soil cover of mineral except backfilling & levelling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There are no approved proposals of mining operations	No reclamation or rehabilitation of area is feasible due to high salinity of the soil Cover.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	There are no approved proposals of mining operations	No growth of plants or vegetation is feasible in the Exhausted part of pit.	
8g	Survival rate	There are no approved proposals of mining operations.	Nil	
8h	Water sprinkling on roads to control airborne dust	There are no approved proposals of mining operations	The water sprinkling is not done over haulage road as observed during inspection.	It has been pointed out as Violation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The entire excavated & exhausted area has been backfilled symultaneously & levelled.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	The M/R submitted upto March 2017 and A/R of the Mine for the year 2015-16 has been filled & submitted.	The M/R submitted upto March 2017 and A/R of the Mine for the year 2015-16 has been filled & submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The details had been given.	Found OK.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The details had been given.	Found OK
9d	Scrutiny of Annual return on afforestation		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The quantity of Reject generation has been left Blank.	The quantity of Reject generation has been left Blank.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The production has not been reported & closing Stock stated as NIL.	The production has not been reported & closing Stock stated as NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Cost of production had been left Blank.	The Cost of production had been left Blank.
9h	Scrutiny of Annual return on fixed assets	The relevant columns have been left blank.	The relevant columns have been left blank.
9k	Scrutiny of Annual return on mining machineries	The relevant columns have been left blank.	The relevant columns have been left blank.

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

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(Sharma H.C.)

Indian Bureau of Mines