

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BRM-19/GYP-12

Mine code : 29RAJ04012

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. B. S. Rathore
Official with
Designation
- (iv) Date of Inspection : 19-DEC-16
- (v) Prev.inspection date : 08-MAY-02

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THOB-2**
- (b) **Registration NO.** : **IBM/5158/2011**
- (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 :
FAX No. : 0151-2523519
E-mail : rsmmlgyp@vsnl.com
Phone : 0151-2542291
- (f) Police Station :
- (g) First opening date : 26-AUG-97
- (h) Weekly day of rest : SUN
2. Address for : Rajasthan State Mines & Minerals Ltd.
correspondance : Sadul club Building
Bikaner, Rajasthan
3. (a) Lease Number : RAJ0444
- (b) Lease area : 263.08
- (c) Period of lease : 20
- (d) Date of Expiry : 29-MAR-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 mining plan approved by IBM, as such there was no approved proposals for exploration.	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	There was no approved proposals for exploration.	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	There was no approved proposals for exploration.	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	There was no approved proposals for exploration.	Not applicable	
1e	Balance reserve as on 01/04/20	There was no approved proposals for exploration.	5.03 lakh Tonnes as reported.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	There was no mining plan approved by IBM, as such there was no approved proposals for exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There was no approved proposals.	NA	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There was no approved proposals.	The O/B in form of loose soil is being removed in advance.	
2c	Stripping ratio or ore to OB ratio	There was no approved proposals.	1 : 4.5	

2d	Quantity of topsoil generation in m3	There was no approved proposals.	No account of top soil generation is kept. The O/B in form of loose soil is simultaneously backfilled in exhausted part of pit.
2e	Quantity of overburden generation in m3	There was no approved proposals.	2853 Cu Meter during 2015-16.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	There was no mining plan approved by IBM, as such there was no approved proposals for development.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	There was no approved proposals.	Single	
3b	Quantity of ROM mineral production proposed	There was no approved proposals.	20000 MT par annum	
3c	Recovery of sailable/usable mineral from ROM production	There was no approved proposals.	40%	
3d	Quantity of mineral reject generation	There was no approved proposals.	2853 Cu Meter during 2015-16.	
3e	Grade of mineral rejects generation and threshold value declared.	There was no approved proposals.	Not available	
3f	Quantity of sub grade mineral generation.	There was no approved proposals.	There is no generation of Sub grade mineral in the mine, how ever the fines not preserved.	The deviation is included in the violation Letter.
3g	Grade of sub grade mineral generation	There was no approved proposals.	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	There was no approved proposals.	Mechanized Sceening.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	There was no approved proposals.	None
3j	Provision of drilling and blasting in mineral benches	There was no approved proposals.	None
3k	Provision of mining machineries in mineral benches	There was no approved proposals.	There is one JCB deployed for excavation & loading.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There was no approved proposals.	Yes
3m	Total area covered under excavation/pits	There was no approved proposals.	8363 Sq Meter
3n	Ore to OB ratio for the pit/mine during the year.	There was no approved proposals.	1 : 4.5
3o	Total area put in use under different heads at the end of year	There was no approved proposals.	Pitting - 8363 Sq Meter, Dumping- NIL
3p	Production of ROM mineral during the last five year period as applicable	There was no approved proposals.	2011-12-- 1921.02, 2012-13--198.08, 2013-14-- NIL, 2014-15-- 207.49, 2015-16-- 1858.47
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	There was no mining plan approved by IBM, as such there was no approved proposals for development.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There was no approved proposals for dumping.	The O/B excavated is simultaneously backfilled in exhausted part of pit, as such there is no dumping.	

4b	Location of topsoil, OB and mineral reject dumps	There was no approved proposals for dumping.	Not applicable
4c	Number of dumps within lease area and outside of lease area	There was no approved proposals for dumping.	Not applicable
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	There was no approved proposals for dumping.	Not applicable
4e	Number of active and alive dumps.	There was no approved proposals for dumping.	Not applicable
4f	Number of dead dumps.	There was no approved proposals for dumping.	Not applicable
4g	Number of dumps established.	There was no approved proposals for dumping.	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	There was no approved proposals for dumping.	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	There was no approved proposals for dumping.	Not applicable
4j	Number of settling ponds	There was no approved proposals for dumping.	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	There was no mining plan approved by IBM, as such there was no approved proposals for dumping.

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.	There is no approved proposals.	The O/B excavated is symultaneously backfilled in exhausted part of pit & levelled.	

5b	Area under backfilling of mined out area	There is no approved proposals.	8363 Sq Meter backfilled during 2015-16.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There is no approved proposals.	The topsoil does not support vegetation, It is symultaneously beckfilled & levelled.
5d	Total area fully reclaimed and rehabilitated	There is no approved proposals.	8363 Sq Meter backfilled during 2015-16.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	The O/B excavated is symultaneously backfilled in exhausted part of pit & levelled. The top soil being highly Saline does not support Vegetation.

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).	There was no mining plan including PMCP approved by IBM.	The annual report for the year 2015-16 had not been submitted.	The deviation was included in Violation letter.
6b	Area available for rehabilitation (ha) .	There was no approved proposals.	8363 Sq M during 2015-16.	
6c	afforestation done (ha).	There was no approved proposals.	100 trees planted during 2015-16 outside lease area with 20% survival as reported.	
6d	No. of saplings planted during the year	There was no approved proposals.	100 trees planted during 2015-16 outside lease area with 20% survival as reported.	
6e	Cumulative no .of plants	There was no approved proposals.	Not reported	
6f	Any other method of rehabilitation	There was no approved proposals.	The exhausted part of pit has been symultaneously backfilled of O/B & levelled.	
6g	Cost incurred on watch and care during the year	There was no approved proposals.	Not accounted.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	There was no approved proposals.	The exhausted part of pit has been symultaneously backfilled of O/B & levelled.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There was no approved proposals.	The exhausted part of pit has been symultaneously backfilled of O/B & levelled.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	There was no approved proposals.	The exhausted part of pit has been symultaneously backfilled of O/B & levelled. The top soil being saline does not support vegetation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There was no approved proposals.	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	There was no approved proposals.	The exhausted part of pit has been symultaneously backfilled of O/B & levelled.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	There was no approved proposals.	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	There was no approved proposals.	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	There was no approved proposals.	Not applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	There was no approved proposals.	Not applicable
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	There was no mining plan including PMCP approved by IBM.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There is no approved proposals.	Single grade is dispatched from the mine.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no approved proposals.	Mechanized screening	
7c	Different grade of mineral sorted out at mines.	There is no approved proposals.	Single grade	
7d	Any beneficiation process at mines	There is no approved proposals.	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	There was no mining plan including PMCP approved by IBM.	

Environment:

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

8b	Concurrent use or storage of topsoil	There is no approved proposals.	The top soil being highly Saline does not support Vegetation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no approved proposals.	The O/B excavated is symultaneously backfilled in exhausted part of pit & levelled. The top soil being highly Saline does not support Vegetation.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	There is no approved proposals.	The O/B excavated is symultaneously backfilled in exhausted part of pit & levelled. The top soil being highly Saline does not support Vegetation.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There is no approved proposals.	The O/B excavated is symultaneously backfilled in exhausted part of pit & levelled. The top soil being highly Saline does not support Vegetation.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	There is no approved proposals.	The top soil being highly saline does not support vegetation.	
8g	Survival rate	There is no approved proposals.	20% as reported	
8h	Water sprinkling on roads to control airborne dust	There is no approved proposals.	The water sprinkling on haulage roads is not practced.	The deviation is included in the violation letter.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The O/B excavated is symultaneously backfilled in exhausted part of pit & levelled. The top soil being highly Saline does not support Vegetation.	

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 up to March 2017 & A/R submitted for 2015-16.	The M/R submitted up to March 2017 & A/R submitted for 2015-16.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The entry of mining enginner has been left blank.	The entry of mining enginner has been left blank.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The entries had been made.	The entries had been made & found OK.
9d	Scrutiny of Annual return on afforestation	The entries of plantation has not been filled.	The entries of plantation has not been filled.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The enties of Reject generation had not been made.	The enties of Reject generation had not been made.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The enties had been made for production & Closing Balance.	The enties had been made for production & Closing Balance & found OK.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The relevant entries had been made	Found OK.
9h	Scrutiny of Annual return on fixed assets	The relevant entries had not been made.	The relevant entries had not been made.
9k	Scrutiny of Annual return on mining machineries	The relevant entries had not been made.	The relevant entries had not been made.

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