

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JSL-15/SE-3

Mine code : 97RAJ14010

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Suresh Mali, Managing Partner
Official with
Designation
- (iv) Date of Inspection : 28-JAN-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHIYASAR(16/93)**
- (b) **Registration NO.** : **IBM/7554/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : JAISALMER
- Village : BHIYASAR
- Taluka : FATEHGARH
- Post office : FATEHGARH
- Pin Code : 345001
- FAX No. : 8619593422
- E-mail : SURYAPRAKASH306@GMAIL.COM
- Phone : 8619593422
- (f) Police Station : Shiv
- (g) First opening date : 26-FEB-97
- (h) Weekly day of rest : SUN
2. Address for : Partner Sri Suryaprakash Parmar S/o Sri Deva Ram
correspondance 123, Swamiyo Ka Vas, Shiv
Tehsil Shiv, Barmer, Rajasthan-344701
3. (a) Lease Number : RAJ5160
- (b) Lease area : 5
- (c) Period of lease : 50
- (d) Date of Expiry : 25-FEB-47
4. Mineral worked : SILICEOUS EARTH Main

5. Name and Address of the

Lessee : JAI SHREE RAM MINERALS
M/S JAI SHREE RAM MINERALS,
KHATRIYON KA MOHALLA EKKO
KA POL, POKRAN JAISALMER
RAJASTHAN
Phone:9413216994
FAX :NA

Owner : JAI SHREE RAM MINERALS
JAISALMER RAJASTHAN
Phone:
FAX :

Mining Engineer

Name : Sri Rakesh Choudhary, Full Time
Qualification : BE Mining
Appointment/ :
Termination date

Manager

Name : Sri Rakesh Choudhary
Qualification : BE Mining
Appointment/ :
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 22-MAR-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Not applicable.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year 2018-19.	Not applicable as no proposal.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal of exploration.	Not applicable.	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No specific proposal about the balance area to be explored under G1/G2.	As per approved document dated 22/03/2014 entire lease area is explored and no need of further exploration.	NIL.
1e	Balance reserve as on 01/04/20	As per approved document dated 22/03/2014, the position of reserve and resource was 163543 and 23926 tonnes respectively.	The position of reserve and resource as on 01/04/2019 was 140280 and 22926 tonnes respectively.	Depletion of 23263 tonnes from 2017-18 to 2018-19.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration.	Not applicable.	No geological complexity.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	11N to 123N and 08W to 165W.	Development has been carried out within approved limits.	NIL.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No specific proposal of top soil generation. Separate benches have been proposed in OB and Mineral.	No top soil generation. Separate benches have been maintained in OB and Mineral.	NIL.
2c	Stripping ratio or ore to OB ratio	1:0.92 T/T	Waste generation not reported.	Violation of MCDR issued dt 28/02/2020.
2d	Quantity of topsoil generation in m3	No proposal.	Not applicable.	NIL.
2e	Quantity of overburden generation in m3	12470 tonnes	Waste generation not reported.	Violation of MCDR issued vide letter dated 28/02/2020.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been proposed through opencast method of mining.	Develop has been carried out as per proposal.	Open cast method of development is suitable as the mineral occurs near surface.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single Pit.	Single Pit.	NIL.
3b	Quantity of ROM mineral production proposed	14396 tonnes	10813.81 tonnes	Low production is due to low market demand.
3c	Recovery of sailable/usable mineral from ROM production	13676 tonnes (95% of ROM)	NIL	No reject generation as anticipated.
3d	Quantity of mineral reject generation	720 tonnes (5%)	NIL	No reject generation as anticipated.
3e	Grade of mineral rejects generation and threshold value declared.	No specific proposal of grade of Mineral Reject.	Not applicable as no mineral reject generation.	NIL.
3f	Quantity of sub grade mineral generation.	No proposal.	Not applicable.	NIL.

3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method of segregation.	Manual method has been adopted.	NIL.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal of beneficiation study.	Not applicable as no proposal.	NIL.
3j	Provision of drilling and blasting in mineral benches	No proposal of drilling and blasting.	Not applicable as no proposal.	NIL.
3k	Provision of mining machineries in mineral benches	Excavator, Tractor-Trolley, water pump.	As per proposal.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height has been proposed 2 to 3 mts in OB and 4 mts in Mineral.	Observed as per proposal.	NIL.
3m	Total area covered under excavation/pits	As per approved document dated 22/03/2017, an area of 2.18 Ha has been proposed to put in use at the end of the plan period i.e. 2021-22.	Are under excavation has not been reported as return for the year 2018-19 has not been submitted.	Violation of MCDR issued.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.92 T/T	Waste generation not reported.	Violation of MCDR issued.
3o	Total area put in use under different heads at the end of year	As per approved document dated 22/03/2017, total area of 2.45 Ha has been proposed to put in use at the end of the plan period i.e. 2021-22.	Total area used has not been reported as return for the year 2018-19 has not been submitted	Violation of MCVDR issued.

3p	Production of ROM mineral during the last five year period as applicable	2014-15: 13216 2015-16: 14415 2016-17: 15080 2017-18: 14302 2018-19: 14396	2014-15: 95 2015-16: 1005 2016-17: 10300 2017-18: 12450 2018-19: 10813	All figures in tonnes.
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of the mining has been proposed.	Opencast method of mining has been practiced.	Due to near surface deposition of mineral opencast method is suitable.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	The simultaneous backfilling has been proposed instead of waste dumping.	Simultaneous backfilling has been carried out.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	The simultaneous backfilling has been proposed instead of waste dumping.	Simultaneous backfilling has been carried out.	NIL.
4c	Number of dumps within lease area and outside of lease area	No proposal of waste dumping.	No waste dumps within lease area. Waste generated has been backfilled.	NIL.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable as no proposal of waste dumping.	Not applicable.	NIL.
4e	Number of active and alive dumps.	No proposal.	Not applicable.	NIL.
4f	Number of dead dumps.	No proposal.	Not applicable.	NIL.
4g	Number of dumps established.	No proposal.	Not applicable.	NIL.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Not applicable.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Not applicable.	NIL.

4j	Number of settling ponds	No proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management	Generated waste has been proposed to backfill in mined out pit area.	Waste has been backfilled in mined out area.	No issues related to waste 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.	The simultaneous backfilling has been proposed after full extraction of mineral.	Simultaneous backfilling is in practice.	NIL.
5b	Area under backfilling of mined out area	0.078 Ha	Area of backfilling has not been reported.	Violation of MCDR issued for non-submission of PMCP report.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Backfilling.	Backfilling.	Soil is in the form of sandy soil.
5d	Total area fully reclaimed and rehabilitated	An area of 0.36Ha. has been proposed for reclamation at the end of the 2021-22.	Area reclaimed at the end of the 2018-19 has not been reported.	Violation of MCDR issued for non-submission of PMCP report and annual return.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Proposal of backfilling has been envisaged after full extraction of mineral.	Generated waste has been backfilled in the mine out area.	No issues related to backfilling.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report of the year 2018-19 has not been submitted.	Violation of MCDR issued vide letter dated 28/02/2020
6b	Area available for rehabilitation (ha) .	0.02 Ha. for reporting year.	NIL.	Violation of MCDR issued vide letter dated 28/02/2020.
6c	afforestation done (ha).	0.02 Ha.	No planation during the year.	Violation of MCDR issued vide letter dated 28/02/2020
6d	No. of saplings planted during the year	50 trees	No planation during the year.	Violation of MCDR issued vide letter dated 28/02/2020.
6e	Cumulative no .of plants	Total 250 plants from 2017-18 to 2021-22	No planation during the year.	Violation of MCDR issued vide letter dated 28/02/2020.
6f	Any other method of rehabilitation	Other than plantation, no any other method of rehabilitation	Not applicable as no proposal.	NIL.
6g	Cost incurred on watch and care during the year	Not specified.	Not applicable.	NIL.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.078 hect	Not reported.	Violation of MCDR issued for non-submission of PMCP report.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	4700 m3	Not reported.	Violation of MCDR issued for non-submission of PMCP report
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Not applicable.	NIL.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal making reservoir.	Not applicable as no proposal of making reservoir.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No any other specific proposal.	Not applicable as no proposal.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Not applicable.	NIL.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Not applicable.	NIL.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Not applicable.	NIL.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No specific proposal.	Not applicable.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report of the year 2018-19 has not been submitted.	Violation of MCDR issued vide letter dated 28/02/2020.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not specified for grad wise sorting.	Mineral is being spread for sun drying and dispatched to consumer.	NIL.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	NIL.
7c	Different grade of mineral sorted out at mines.	No specific proposal.	Not applicable as no proposal.	NIL.
7d	Any beneficiation process at mines .	No beneficiation process at the mine.	Not applicable as no beneficiation process at the mine.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of any beneficiation.	Not applicable as no proposal.	No issued related to Mineral conservation.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No specific proposal.	Not applicable.	NIL.
8b	Concurrent use or storage of topsoil	No specific proposal.	Not applicable.	NIL.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Backfilling has been proposed.	Backfilling has been observed.	NIL.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneous backfilling.	Backfilling has been observed.	NIL.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.078 Ha. has been proposed to backfilled during the reporting year.	Area of backfilling has not been reported.	Violation of MCDR issued for non-submission of PMCP report.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 trees	No plantation.	Violation of MCDR issued.
8g	Survival rate	Not Specified.	Not applicable.	NIL.
8h	Water sprinkling on roads to control airborne dust	Backfilling has been proposed.	Backfilling has been observed.	Aesthetic beauty of the mine to be improved.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			NIL.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, monthly and annual returns to be submitted.	Monthly returns have been submitted. However, annual return has not been submitted.	Violation issued vide letter dated 22/05/2020.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information has been furnished about Mining Engineer and Geologist.	Mining engineer was present at the time of the inspection.	Scrutiny of AR 2017-18.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern has not been furnished in the AR 2017-18.	No information has been furnished.	Violation of MCDR issued dated 28/02/2020.
9d	Scrutiny of Annual return on afforestation	60 plants outside lease area.	No planation has been observed.	Violation of MCDR issued.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	1540 tonnes.	No mineral reject has been generated.	Violation of MCDR issued.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and graded stock: 17419.71 tonnes.	Closing figures not furnished properly.	Violation of MCDR issued.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price: Rs 250 / ton & production cost is Rs.469.00 / tonne.	Information furnished on Ex-mine price and cost of production.	NIL.
9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is NIL.	The information furnished found to correct.	NIL.
9k	Scrutiny of Annual return on mining machineries	BACK HOE	It is stated that most of the HEMM are on contract basis.	NIL.

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
MCDR17	Rule 11(1)	28-FEB-20			
MCDR17	Rule 26(2)	28-FEB-20			
MCDR17	Rule 31(4)	28-FEB-20			
MCDR17	Rule 33	28-FEB-20			
MCDR17	Rule 45(7)(a)	28-FEB-20			

Date :

(DILIP JAIN)

Indian Bureau of Mines