

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JPR/-21/Fe-3

Mine code : 30RAJ13009

- (i) Name of the Inspecting : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Sushil Kumar Agrawal (Lessee representative) and
Official with
Designation
- (iv) Date of Inspection : 19-MAR-20
- (v) Prev.inspection date : 03-OCT-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BAGAWAS**
- (b) **Registration NO.** : **IBM/997/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : JAIPUR
Village : BAGAWAS
Taluka : VIRATNAGAR
Post office : BAGAWAS
Pin Code :
FAX No. : Not available
E-mail : bangangagroup@gmail.com
Phone : 9829010037
- (f) Police Station : Sahapura
- (g) First opening date : 17-NOV-69
- (h) Weekly day of rest : SUN
2. Address for : Sh Madhup Joshi
correspondance : B-242, circular Road, Nehru Nagar
Jaipur
3. (a) Lease Number : RAJ0031
- (b) Lease area : 4.99
- (c) Period of lease : 50
- (d) Date of Expiry : 05-SEP-52
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : MADHUP JOSHI
 B-242, CIRCULAR ROAD, NEHRU
 NAGAR JAIPUR JAIPUR
 RAJASTHAN
 Phone:
 FAX :

Owner : Madhup Joshi
 S/O Late R.S.Joshi B-242,
 circular Road, Nehru Nagar
 Jaipur JAIPUR RAJASTHAN
 Phone: 9829010037
 FAX :

Mining Engineer

Name : Santu Lal Saini, Full Time
 Qualification : BE(Mining)
 Appointment/ : 03-OCT-16
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	12-JUL-01
Plan/Scheme of Mining		Existing rule 11 MCDR1988	16-SEP-05
		Mining Scheme rule 12 MCDR1988	17-MAY-12
		MP review under 17(1) MCR 2016	20-JUL-17
		MP modif under 17(3) MCR 2016	13-JUL-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploration during the previous year i.e. 2017-18.	No drilling has been carried out during the year 2017-18.	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2018-19, a total of 10 BH has been proposed.	A total of 10 BH have been drilled.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of exploration agency and expenditure.	Agency: Soil and Rock probe Engineers, Vikaspuri, New Delhi. The Expenditure occur was Rs. 649826/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No specific proposal about the area to be explored.	A total of 10 BH have been drilled and mineralised area round 2.0 Ha has been explored under G1/G2 level of exploration.	Nil
1e	Balance reserve as on 01/04/20	No specific proposal given on year to year basis.	The position of reserve and resources as on 01/04/2019 was 1.39 million tonnes and 0.44 million tonnes respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			This is the lease which has been expired on 31.03.2020. After exploration drilling party submitted the Geological report to this office, the discrepancies in the submitted Geological report has been pointed out as violation of Rule 12(4)(b) of MCDR 2017 vide letter dated 26.11.2019.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	N90-N200/E60-E155.	During inspection working has been observed within approved limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Proposal has been envisaged for separate removal of Waste and Mineral.	No top soil has been generated during the year. Benches have not been maintained as per proposal.	Violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/10/2019 & followed by show cause notice vide letter dated 10.02.2020 by the previous inspecting officer.
2c	Stripping ratio or ore to OB ratio	1: 0.033 (T:T)	1:0.026 (T:T)	Nil
2d	Quantity of topsoil generation in m3	No proposal of top soil generation during the reporting year.	Not generated	Nil
2e	Quantity of overburden generation in m3	2730 cu.m. (7098 MT)	1154 CuM (3000 MT)	Less generation of waste is due to less production of Iron Ore.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development has been carried out within approved limits, however benches as proposed have not been maintained.Hence Violation of rule 11(1) of MCDR 2017 was already issued vide letter dated 18/10/2019 & followed by show cause notice vide letter dated 10.02.2020 by the previous inspecting officer.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Single.	Single.	Nil
3b	Quantity of ROM mineral production proposed	2018-19: 209390 MT	2018-19: 112200 MT.	Nil
3c	Recovery of sailable/usable mineral from ROM production	No specific proposal of recovery of usable ore during the reporting year.	Not applicable as no proposal.	Nil
3d	Quantity of mineral reject generation	No proposal of Mineral reject generation during the reporting year.	No Mineral reject has been generated during the reporting year.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of Mineral Reject generation.	Not applicable as no proposal	Nil
3f	Quantity of sub grade mineral generation.	Not applicable as no proposal of Sub-grade generation.	No Sub-grade has been generated during the reporting year.	Nil
3g	Grade of sub grade mineral generation	Not applicable as no proposal of Sub-grade generation.	Not applicable as no proposal	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to install 300TPD processing plant within lease area.	No processing has been observed in the lease area.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed.	Not applicable as no proposal.	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling has been proposed by Jack Hammer drill machine and Blasting by Slurry Explosive.	Drilling and blasting is being done as per proposal.	Nil

3k	Provision of mining machineries in mineral benches	Excavator, Loader, Rock Breaker, Long Hole Drill, Tippers etc.	Excavator, Loader, Rock Breaker, Long Hole Drill, Tippers etc.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches have been proposed to 6 mts.	Benches have not been maintained as per proposal.	Benches as proposed have not been maintained. Hence Violation of rule 11(1) of MCDR 2017 was already issued vide letter dated 18/10/2019 & followed by show cause notice vide letter dated 10.02.2020 by the previous inspecting officer.
3m	Total area covered under excavation/pits	As per approved document dated 13/07/2018, area put under excavation at the end of the plan period is 1.70 Ha.	As on 01/04/2019, area put under excavation was 1.40 Ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.033 (T:T)	1:0.026 (T:T)	Nil
3o	Total area put in use under different heads at the end of year	As per approved document dated 13/07/2018, total area proposed to put under different heads at the end of the plan period was 2.35 Ha.	As on 01/04/2019, total area put under different heads at the end of the year was 2.20 Ha.	As per AR 2018-19.
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 47880 T 2015-16: 70140 T 2016-17: 75600 T 2017-18: 183150 T 2018-19: 209390 T 2019-20: 210760 T	2014-15: 53890 T 2015-16: 79503 T 2016-17: 74603 T 2017-18: 76300 T 2018-19: 112200 T 2019-20: 111550 T (up to Feb. 2020)	Nil

3q General remarks of inspecting officers on method of mining etc. Opencast method of mining has been proposed and Open cast Mining method is being practiced.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal topsoil and Mineral reject generation. One OB/Waste dump has been proposed other than exiting one OB/Waste dump.	No top soil and Mineral reject has been generated. OB dumping has not been carried out as per proposal over newly proposed OB/Waste dump.	Violation of rule 11(1) of MCDR 2017 was already issued vide letter dated 18/10/2019 & followed by show cause notice vide letter dated 10.02.2020 by the previous inspecting officer.
4b	Location of topsoil, OB and mineral reject dumps	Dumping of the waste has been proposed between the grid lines N35-80/E145-180.	Dumping of the waste has been proposed between the grid lines N35-80/E145-180.	Violation of rule 11(1) of MCDR 2017 was already issued vide letter dated 18/10/2019 & followed by show cause notice vide letter dated 10.02.2020 by the previous inspecting officer.
4c	Number of dumps within lease area and outside of lease area	Two waste dumps: One existing dump and one proposed dump.	One old waste dump exists within the lease area. Dumping of waste has not been carried out over proposed area.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL.	Outside UPL.	Nil
4e	Number of active and alive dumps.	One.	One (already existing dump).	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 of retaining wall and garland drain during the year.	Retaining wall and garland drain has not been observed along the waste dump.	Violation of rule 12(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
4i	Length of Retaining wall or garland drain all along dumps	No proposal of retaining wall and garland drain during the year.	Not applicable as no proposal.	Nil
4j	Number of settling ponds	No proposal	Not applicable as no proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management	One new waste dump has been proposed for waste dumping.	Waste dumping has been carried out over existing dump. Also retaining wall has not been constructed.	Violation of Rule 11(1) & 12(1) of MCDR, 2017 has been issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.

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.	No proposal of backfilling during the year as no pit area is fully exhausted.	Not applicable as no proposal.	Nil
5b	Area under backfilling of mined out area	No proposal of backfilling during the year.	Not applicable as no proposal.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	Not applicable.	Nil

5d	Total area fully reclaimed and rehabilitated	No proposal of None fully reclamation and rehabilitation during the last year.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No pit area is matured for backfilling.

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).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2018-19 has been not been submitted.	Violation of rule 26(2) of MCDR, 2017, has been issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
6b	Area available for rehabilitation (ha) .	An area of 0.03 Ha. has been proposed afforestation/ rehabilitation . (Ref: Development plan for the year 2018-19).	Afforestation work has not been carried out as per approved plan.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
6c	afforestation done (ha).	0.03 Ha. area. NIL.		Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.

6d	No. of saplings planted during the year	No specific proposal about number of plantation.	No plantation work has been carried out as per proposal	Nil
6e	Cumulative no .of plants	No specific proposal of cumulative number of plantation.	Not reported.	Violation of rule 26(2) of MCDR, 2017, has been issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
6f	Any other method of rehabilitation	Other than plantation, no specific proposal of any other method of rehabilitation	None	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Not reported	Violation of rule 26(2) of MCDR, 2017, has been issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal of backfilling.	No work related to backfilling has been carried out during the year.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling.	Not applicable as no proposal of backfilling.	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal of backfilling.	Not applicable as no proposal of backfilling.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal making water reservoir.	None	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	An area of 0.03 Ha has been proposed afforestation/ rehabilitation .	Afforestation work has not been carried out as per approved plan.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	An area of 0.03 Ha has been proposed afforestation/ rehabilitation .	Afforestation work has not been carried out as per approved plan.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	Plantation has not been carried out during the last year	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring proposed.	Environment monitoring is being carried out.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Violation of rule 26(2) of MCDR, 2017, has been issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No specific proposal of grade wise sorting.	Not applicable as no proposal.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	A processing plant of 300TPD has been proposed.	No processing plant has been observed.	Nil
7c	Different grade of mineral sorted out at mines.	No proposal.	None	Nil
7d	Any beneficiation process at mines .	No proposal of any beneficiation at Mine site.	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issues related to mineral conservation has been observed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	No top soil generated.	Nil

8b	Concurrent use or storage of topsoil	Not applicable as no proposal of generation of top soil.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of Mineral Reject and fines generation. Waste/OB has been proposed to dump separately.	NO mineral reject and fines has been generated. OB/Waste has been dumped separately.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal of use of overburden/waste rock for restoring the land to its original use.	Overburden, waste rock and Rejects are presently stored at earmarked location.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal of phased reclamation and rehabilitate/afforestation of lands affected by Mining operations.	Not applicable as no proposal.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No specific proposal of additional plantation. An area of 0.03 Ha. of safety zone has been proposed for afforestation.	Afforestation work has not been carried out over proposed area.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
8g	Survival rate	No proposal.	Not reported.	Nil
8h	Water sprinkling on roads to control airborne dust	To control the air born dust particle, water sprinkling has been proposed.	Water sprinkling has been observed during the mine inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is average in and around mines area.

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 and annual returns have been submitted for reporting year.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information has been furnished about Mining Engineer.	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details are furnished in AR	Appears to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	Details given in AR within ML area 150 nos., outside of ML area 75 nos.	Within lease area plantation has not been carried out on proposed location.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/10/2019 followed by show cause notice vide letter dated 10/02/2020 by the previous inspecting officer.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject quantity is furnished as NIL.	No mineral reject has been generated during the reporting year.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: NIL Graded stock quantity furnished as 12685.00 tonnes.	The furnished information appears to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine Price: RS. 300.00 per tonne & Production cost is Rs. 282.50 per tonne.	The details of cost of production and Ex-mine price appear to be correct.	Nil
9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is Rs. 497754.00	The furnished information appears to be correct.	Nil

9k	Scrutiny of Annual return on mining machineries	Details are given	Found correct.	Nil
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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 :

(D R GURJAR)

Indian Bureau of Mines