

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

**MCDR INSPECTION REPORT**

**Gandhinagar regional office**

**Mine file No :** RAJ/BSW/MAG-1

**Mine code :** 40RAJ03001

- (i) Name of the Inspecting : **DJ03** ) **DILIP JAIN**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Akshay Nathani, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 11-DEC-24
- (v) Prev.inspection date : 06-NOV-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KALA KHUNTA**
- (b) **Registration NO.** : **IBM/7376/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : BANSWARA
- Village : KALA KHUNTA
- Taluka : KUSHALGADH
- Post office : KALAKHUNTA
- Pin Code :
- FAX No. :
- E-mail : amamnore@gmail.com
- Phone : 9909926771
- (f) Police Station : KALINJARA
- (g) First opening date : 09-APR-85
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE-KALA KUNTHA POST-KALINJARA  
correspondance TALUKA-KUSHALGARH  
DISTT-BANSWARA
3. (a) Lease Number : RAJ0303
- (b) Lease area : 18.89
- (c) Period of lease : 50
- (d) Date of Expiry : 08-APR-35
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : RAMESHWAR JOSHI  
           BANSWARA RAJASTHAN  
           Phone:  
           FAX :

Owner : PANKAJ RAJGOR  
           PANCHMAHAL GUJARAT  
           PANCHMAHALS GUJARAT  
           Phone:  
           FAX :

Agent : Hitesh Rajgaur  
           A/102-3 CASA Central Near  
           isha Hospital, Sarabhai -  
           Compound, Vadi Wadi,  
           Vadodara VADODARA GUJARAT  
           Phone:  
           FAX :

Mining Engineer  
 Name : Akshay Nathani, Full Time  
 Qualification : BE Mining  
 Appointment/ : 01-SEP-19  
 Termination date

Geologist  
 Name : Kirit Amin., Full Time  
 Qualification : M.Sc. Geology  
 Appointment/ : 16-AUG-14  
 Termination date

Manager  
 Name : Akshay Nathani  
 Qualification : BE mining  
 Appointment/ : 16-FEB-24  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	30-JUN-05
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	12-DEC-11

## 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 previous year 2022-23.	20 BHs with 881 meters of drilling has been carried out during the previous year 2022-23.	Backlog of the year 2021-22.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year (RY) 2023-24.	No Exploration during the reporting year (RY) 2023-2024.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal of exploration during RY	Not applicable.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	13.558 Hectare area of G3 level.	Entire potentially mineralized area explored through 27 exploratory BHs during the year 2021-22 and 2022-23.	Nil
1e	Balance reserve as on 01/04/20	As per approved document dated 19/04/2021, the position of reserve and resource was 212884.00 and 95800.00 tons respectively.	The position of reserve and resource as on 01/04/2024 was 193,471.00 and 95,800.00 tons respectively.	Depletion in reserves is about 19413 tons.
1f	General remarks of inspecting officers on geology, exploration etc			The manganese ore of the lease belongs to Aravil Super group of rocks of Lunawada group of Kalinjara formation. No exploration during the reporting year. A total of 20 BHs with 881 meters of drilling has been done in the year 2022-23.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No.1,2,3,4 & 5	Pit No.1,2,3,4 & 5	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Only OB and Mineral benches are proposed.	OB & mineral benches as per proposal.	Mine development was proposed by formation of benches having 3m height and width. The same has been maintained.
2c	Stripping ratio or ore to OB ratio	1:2.33 CuM/CuM	1:3.16 CuM/CuM	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 03/02/2025 for deviation in stripping ratio.
2d	Quantity of topsoil generation in m3	No proposal.	No top soil generated during RY 2023-24.	Nil
2e	Quantity of overburden generation in m3	No proposal of OB. Total 18875.00CuMreject/wastegeneration was proposed.	Total of 5,612.97CuMof reject/waste generated during RY 2023-24.	Violation of rule 11(1) of MCDR, 2017issued vide letter dated 03/02/2025 for deviation in waste/reject generation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development was proposed through opencast method.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit No.1,2,3,4 & 5	Pit No.1,2,3,4 & 5	Nil
3b	Quantity of ROM mineral production proposed	73,612 Tones	20,122.660 Tones	Violation of rule 11(1) of MCDR, 2017issued vide letter dated 03/02/2025 for very less production.
3c	Recovery of sailable/usable mineral from ROM production	22,650 Tones	4,967.630 Tones	Less generation due to less ROM production.

3d	Quantity of mineral reject generation	50,962 Tones	15,155.030	Reject is below threshold value of mineral.
3e	Grade of mineral rejects generation and threshold value declared.	Mn less than 10%.	Mn less than 10%.	Nil
3f	Quantity of sub grade mineral generation.	No proposal of sub-grade generation.	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.	Manual.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	None.	Nil
3j	Provision of drilling and blasting in mineral benches	By compressed airoperated Jack hammerdrilling & blastingpropos ed.	As per proposal.	Nil
3k	Provision of mining machineris in mineral benches	Hydraulic Excavator, Hydraulic Rock Braker, Hand Held Jack Hammer Drill, Tractor Trolly, Air Compressor, Water Tanker etc.	As per proposal.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3-meter height of benches proposed.	Bench height of 3-meter maintained.	Nil
3m	Total area covered under excavation/pits	5.1087 Ha. Area proposed at the end of plan period i.e. 2025-2026	4.751 Ha. Area at the end of the year 2023-24.	Nil

3n	Ore to OB ratio for the pit/mine during the year.	1:2.33 CuM/CuM 1:3.16 CuM/CuM		Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 03/02/2025 for deviation in stripping ratio.
3o	Total area put in use under different heads at the end of year	No specific year wise proposal, at the end of RMP period i.e. 2025-26 total area will be use under different heads- 7.8892 hect.	Total 6.183 Ha. Area put to use at the end of 2023-24.	Nil
3p	Production of ROM mineral during the last five year period as applicable	ROM production proposal: 2018-19:83,392 2019-20:83,328 2020-21:83,302 2021-22:60,696 2022-23:71,581 2023-24:73,612	2018-19:2,685 2019-20:1,812 2020-21:101 2021-22:17,384 2022-23:20,319 2023-24:20,12	All figures in metric tons.
3q	General remarks of inspecting officers on method of mining etc.			Opencast manual method of mining adopted which is suitable to the type of deposit. Bench height and width has been maintained as per proposal.

#### 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 of top soil generation. Separate dumping of waste/reject.	No top soil generation during RY. Waste/reject has been dumped as per proposal.	Nil
4b	Location of topsoil, OB and mineral reject dumps	On footwall side of deposit near working pit 1 and 2.	On footwall side of deposit near working pits.	Nil

4c	Number of dumps within lease area and outside of lease area	Two dumping sits have been proposed for waste dumping near pit1 and pit 2 during the RY.	Dumping was done as per proposal.	There is five existing waste dump in lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside ultimate pit limit.	Outside ultimate pit limit.	Nil
4e	Number of active and alive dumps.	Two.	Two.	There is five existing waste dump in lease area.
4f	Number of dead dumps.	No specific proposal given.	None.	Nil
4g	Number of dumps established.	No proposal.	None.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal of garland drain given in the year 2023-24.	Yes, garland drain and retaining wall constructed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Garland Drain: 150 meter.	Garland Drain: 80 m	During the year 2023-24, total 150m garland drain proposed whereas actual 80m garland was constructed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 03/02/2025.
4j	Number of settling ponds	No proposal.	None.	Nil
4k	Specific comments of inspecting officer on waste dump management			During the year 2023-24, total 150m garland drain proposed whereas actual 80m garland was constructed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 03/02/2025.

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#### Solid Waste Management - Backfilling:

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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.	Backfilling of a 0.08 hectare area of pit-4 has been proposed during the year 2023-24.	An area of 0.0332 hectare of pit-4 has been backfilled.	Violation of rule 11(1) of MCDR, 2017 issued for short fall in backfilling vide letter dated 03/02/2025.
5b	Area under backfilling of mined out area	0.08 Ha.	0.0332 Ha.	Violation of rule 11(1) of MCDR, 2017 issued for short fall in backfilling vide letter dated 03/02/2025.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation during RY 2023-24.	No top soil generated during the reporting year.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal of full reclamation and rehabilitation during RY 2023-24	No area has been fully reclaimed and rehabilitated.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			During the year 2023-24, backfilling was proposed over an area 0.08 hect. whereas actual backfilling has been carried out over an area 0.0332hect, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 03/02/2025.

#### 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).	PMCP report to be submitted before 1st July 2024 for RY 2023-24.	PMCP Report for the year 2022-23 submitted.	Nil



6b	Area available for rehabilitation (ha) .	0.08 Ha. (backfilling).	0.0332 Ha. (backfilling)	Violation of rule 11(1) of MCDR, 2017 issued for short fall in backfilling vide letter dated 03/02/2025.
6c	afforestation done (ha).	0.15 ha	0.09 ha.	Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 03/02/2025 for shortfall in plantation area.
6d	No. of saplings planted during the year	100 number of plants.	200 number of plants including gap filling plantation.	Nil
6e	Cumulative no .of plants	No proposal on cumulative number of planation.	Cumulative plants 1300 within lease area at the end of the year 2023-24.	Nil
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Not applicable.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No specific proposal i.r.o. Lx B x D.	An area of 0.0332 hectare of pit-4 has been backfilled.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	6150 CuM	418.51 CuM	Less compared to proposal due to less generation of waste.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Backfilling over 0.08 hectare area of pit-4 has been proposed during the year 2023-24.	An area of 0.0332 hectare of pit-4 has been backfilled.	Violation of rule 11(1) of MCDR, 2017 issued for short fall in backfilling vide letter dated 03/02/2025.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Not applicable.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 number of plants.	200 number of plants including gap filling plantation.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.15 ha by planation.	0.09 ha. by plantation.	Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 03/02/2025 for shortfall in plantation area.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Planation.	Planation.	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Monitoring is being carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			During the year 2023-24, planation was proposed over an area 0.15 hect. whereas actual plantation has been carried out over an area 0.09 hect. Hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 03/02/2025 for shortfall in plantation area.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sorting of mineral has been proposed from ROM.	Sorting of mineral from ROM.	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.	Not specified.	Mn >10%	Nil
7d	Any beneficiation process at mines .	No proposal.	Not applicable.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue observed related to mineral conservation.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation during the RY.	Top soil not generated during RY.	Nil
8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of waste/reject.	Waste/reject has been dumped as per proposal.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	A waste/reject quantity of 6150 CuM was proposed to backfill in pit 4.	A waste/reject quantity of 418.51CuM was backfilled in pit 4.	Less compared to proposal due to less generation of waste.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Part of the pit-4 has been proposed to reclaim.	Part of the pit-4 has been reclaimed.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 number of plants.	200 number of plants including gap filling plantation.	Nil
8g	Survival rate	Not specified.	85% within lease (2023-2024)	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed to control airborne dust.	Water Sprinkling by Water Tanker.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty around the mine area is satisfactory.

#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted before 10th day for previous month. Annual return shall be submitted up to 30th June for the previous financial year.	Monthly and annual returns have been submitted for the RY 2023-24.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager/ Mining Engineer: AkshayNathanian and Geologist: Kirit Amin	Mining Engineer, Manager and Geologist has been appointed in the mine.	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Current working pit area :4.751 ha. Waste dump:1.090 ha. Infrastructure : 0.020 ha. mineral storage: 0.200 ha. Backfilling: 0.122 ha.	The information of land use furnished in AR appers in order.	Nil
9d	Scrutiny of Annual return on afforestation	Within lease: 200 nos. with 85% survival.	Appers in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject generation: Nil	No mineral Reject generation.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing Stock: NIL and graded ore closing stock: 5047.56 Tons.	Seems in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: Rs 34,91,530/- Ex Mine Price: 3500/ton Production cost: 3237.15/ton	Appers in order.	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed asset furnished is Rs. 7136770/-	Appers in order.	Nil
9k	Scrutiny of Annual return on mining machineries	Tractor, Front end loader, water tanker and other HEMM machinery etc.	Appers in order.	Nil

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**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)	03-FEB-25				
MCDR17 Rule 45(7)(a)	03-FEB-25				

**Date :**

**(DILIP JAIN)**

Indian Bureau of Mines