

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : RAJ/BSW/MAG-1

Mine code : 40RAJ03001

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Hitesh Rajgor, Owner's Representative & Sh. Aksha
Official with
Designation
- (iv) Date of Inspection : 27-JUL-22
- (v) Prev.inspection date : 15-OCT-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALA KHUNTA**
- (b) **Registration NO.** : **IBM/7376/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : RAJASTHAN
District : BANSWARA
Village : KALA KHUNTA
Taluka : KUSHALGADH
Post office : KALAKHUNTA
Pin Code :
FAX No. : 9909926771
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 : ASIAN MINING ASSOCIATES
 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 : Nathani Akshay Revashankar, Full Time
 Qualification : Diploma in Mining Engineering
 Appointment/ : 01-SEP-19
 Termination date

Geologist

Name : Kirit Amin, Full Time
 Qualification : MSC Geology
 Appointment/ : 16-AUG-14
 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
		MP review under 17(1) MCR 2016	19-APR-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog of previous year	None	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2021-22, exploration was proposed by way of drilling 27 Bore Hole(997m).	During the year 2021-22 total 07 bore hole drilling having 116m drilling has been carried out.	During the year 2021-22 exploration was proposed by drilling of 27 bore holes (997m) but only 7 bore holes(116m) exploration drilling has been carried out in the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified in approved review of mining plan.	Year 2021-22: Exploration Agency-M/S Ganchi Contractor Expenditures- Rs.2,93,761/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	It is proposed to explore entire lease area 18.898 hect. under G1 level by way of 27 bore holes.	During the year 2021-22 total 07 bore hole drilling having 116m drilling has been carried out.	During the year 2021-22 exploration was proposed by drilling of 27 bore holes (997m) but only 7 bore holes(116m) exploration drilling has been carried out in the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
1e	Balance reserve as on 01/04/20	No specific proposal given in this regard.	Balance reserves as on 01.04.2022 2,04,876 Tonnes	Nil

1f	General remarks of inspecting officers on geology, exploration etc	During the year 2021-22 exploration was proposed by drilling of 27 bore holes (997m) but only 7 bore holes(116m) exploration drilling has been carried out in the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
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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 benches, only OB & Mineral benches proposed.	As per proposal	Nil
2c	Stripping ratio or ore to OB ratio	2021-22: 1:2.33	2021-22: 1:1.88	cum:cum
2d	Quantity of topsoil generation in m3	No proposal	Nil	Nil
2e	Quantity of overburden generation in m3	No proposal of OB. Total 42020 tonnes Reject generation proposed.	Total 14510.6 tonnes reject generated.	Reject is below thershold value of mineral.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine develeopment has been carried out on proposed location.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	5	5	Nil
3b	Quantity of ROM mineral production proposed	2021-22: 60696 tonnes	2021-22: 17384.60 tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	2021-22: 18,676 Tonnes	2021-22: 8008 Tonnes	Nil
3d	Quantity of mineral reject generation	2021-22: 42020 tonnes	2021-22: 14510.60 tonnes	Reject is below thershold 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	Not generated	Nil
3g	Grade of sub grade mineral generation	No proposal	No subgrade generated during the year.	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 air operated Jack hammer drilling & blasting proposed.	As per proposal	Nil
3k	Provision of mining machineries 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	Yes	Yes	Nil
3m	Total area covered under excavation/pits	5.1087 Ha. Area proposed by the end of 2025-2026.	4.5970 Ha. Area at the end of 2021-2022	Nil
3n	Ore to OB ratio for the pit/mine during the year.	2021-22: 1:2.33	2021-22: 1:1.88	cum:cum
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 5.2435 Ha. Area put to use at the end of 2021-2022	Nil
3p	Production of ROM mineral during the last five year period as applicable	ROM Production 2017-18: 29224T, 2018-19: 29188T, 2019-20: 29165T, 2020-21: 24,991T, 2021-22: 60,696 T	ROM Production for last five years: 2017-18: 9325T, 2018-19: 2685T, 2019-20: 1812T, 2020-21: 101 T, 2021-22: 17384.6T	Nil
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.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes,	Yes	Nil
4b	Location of topsoil, OB and mineral reject dumps	On footwall side of deposit near working pits.	On footwall side of deposit near working pits.	Nil

4c	Number of dumps within lease area and outside of lease area	5 existing dumps + 2 new dump proposed within lease area during the year 2021-22.	5 existing dumps within lease area.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of ultimate pit limit	Outside of ultimate pit limit	Nil
4e	Number of active and alive dumps.	2 new dump proposed.	No new dump created during the year 2021-22. Old dumps are active dumps.	Nil
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.	Garland drain proposal given during the year 2021-22.	Yes garland drain made.	Nil
4i	Length of Retaining wall or garland drain all along dumps	2021-22: 150m garland drain proposed	2021-22: 50m garland drain reported	During the year 2021-22, total 150m garland drain proposed whereas actual 50m garland drain reported, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management			During the year 2021-22, total 150m garland drain proposed whereas actual 50m garland drain reported, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.

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.	Full extraction of mineral.	Full extraction of mineral.	Nil
5b	Area under backfilling of mined out area	2021-22: 0.08 hect. area	2021-22: 0.06 hect. area	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal during the reporting year.	No top soil generated during the reporting year.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal given for fully reclamation & rehabilitation during the reporting year.	None	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling of mined out pits has been carried out.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	It shall be submitted up to 1st July for the previous financial year.	PMCP Report for the year 2021-22 submitted on time.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	N/A	Nil
6c	afforestation done (ha) .	0.10 hect	0.09 hect.	Nil

6d	No. of saplings planted during the year	100 nos.	90 nos.	During the year 2021-22, total 90 sapling planted against the proposal of 100 nos. of saplings, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
6e	Cumulative no .of plants	Not specified	Cumulative plants 1057 within lease & 1370 outside lease.	Up to year 2021-22.
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Not specified	Rs. 1,24,000	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	2021-22: 0.08 hect. area	2021-22: 0.06 hect. area	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	However rain water accumulated at the pit bottom.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	None	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.10 hect	0.09 hect.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.10 hect	0.09 hect.	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	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 2021-22, total 90 sapling planted against the proposal of 100 nos. of saplings, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After sorting from ROM, mineral disptach proposal given.	As per proposal	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.	Single grade Mn 25% to 35% by hand sorting.	As per proposal	Nil

7d	Any beneficiation process at mines	No proposal	None	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 generation proposal during the year.	Not generated.	Nil
8b	Concurrent use or storage of topsoil	No generation proposal	Not applicable	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As per proposal	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes backfilling proposal given in RY.	Backfilling has been carried out in RY.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	None	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 nos. Plantation proposed over an area 0.1 hect. during the year.	90 nos. sapling planted over an area 0.09 hect. during the year. Cumulative plants 1057 within lease & 1370 outside lease.	Nil
8g	Survival rate	Not specified	90%	Nil

8h	Water sprinkling on roads to control airborne dust	Proposed	Being done	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			General aesthetic beauty in and 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 up to 10th day for previous month. Annual return shall be submitted up to 30th June for the previous financail year.	Monthly return submitted up to July 2022 Annual return submitted up to year 2021-22.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Seems corrected.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Seems to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	90 nos. sapling within lease area having survival rate 80%.	Seems to be correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given	Seems corrected	Nil

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock- Nil, Graded Stock- 102.520 tonnes	Seems corrected	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price Rs. 3200 per tonne	Seems corrected	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets reported -Rs. 6478697	Seems corrected	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Seems corrected	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)	06-SEP-22			

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines