

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office

Mine code: 75MPR18013

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Uttam Singh, Mines Manager Shri Mayank Shrivastava, Geologist
(iv)	Date of Inspection	:	18/07/2024

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	KODAMUKUR IRON ORE MINE
	(b)	Registration Number	:	IBM/5497/2011
	(c)	Category	:	CATEGORY-A
	(d)	Type of Working	:	OPEN CAST
	(e)	Postal address	:	Vill-Kodamukur, Post-A gariya, Teh-Sihora, Madhya Pradesh,483334. Madhya Pradesh
		State	:	Madhya Pradesh
		District	:	Jabalpur
		Village	:	Kodamukur
		Taluka	:	Sihora
		Post Office	:	Agariya
		Pin code	:	483334
		Fax	:	NA
		email	:	msvinodjain@gmail.com
		Phone No	:	9425656373
	(f)	Police Station	:	Majhgawan
	(g)	First Opening date	:	NA
	(h)	Weekly day of rest	:	SUNDAY
2	Address for Correspondence		:	KAMLA NIWAS SOUTH AVENUE, CHOUBEY COLONY, RAIPUR, CHHATTISGARH, 492001
3	(a)	Lease Area	:	17.008 Ha.
	(b)	Period of lease	:	50 YEARS
	(c)	Date of Expiry	:	24-09-2048
4	Mineral Worked (Main)		:	IRON ORE
5	Name of address of the Lessee with Phone, email and fax number		:	Shri VINOD KUMAR JAIN KAMLA NIWAS SOUTH AVENUE, CHOUBEY COLONY, RAIPUR, CHHATTISGARH, 492001 MOB-98271 41356, msvinodjain@gmail.com
	Name and address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment		:	Shri VINOD KUMAR JAIN KAMLA NIWAS SOUTH AVENUE, CHOUBEY COLONY, RAIPUR, CHHATTISGARH, 492001 MOB-98271 41356, msvinodjain@gmail.com
	Name and address of the Agent with Phone, email, fax number and Date of appointment		:	Shri VARIN LUNIA. 711, ISHWATHAM - RIGHT WING, ANANTARA RESIDENTIAL RESORT, TILHARI, JABALPUR. CONTACT- 8109796484.
	Name of address of the Manager with Phone, email, fax number and Date of appointment		:	Shri UTTAM SINGH, WARD N0-13. GALI NO. 01, JAY BHAWANI COLONY.KHITOLA, SIHORA, 48322

	Mining Engineer Name Qualification Date of Appointment	:	Shri UTTAM SINGH. B. TECH (MINING) 24-01-2024
	Geologist Name Qualification, Date of Appointment	:	Shri MAYANK SHRIVAS M.SC(GEOLOGY) 09-01-2024
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Review of Mining Plan approved vide letter no.MP/Jabalpur/Iron/RMP-47/2021-22 Jabalpur dated 22/11/2021 for the proposal period 2021-22 to 2023-24

PART III-MCDR Report details:

1. **Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S. No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2 (2023-24).	25 Boreholes	25 BHs have been drilled during 2023-24 but only 14 BHs have been considered as 11 BHs were DTH and their samples have been contaminated.	The exploration proposal has been reviewed in Review of Mining Plan approved dated 17/10/2024 for the proposal period 2024-25 to 2028-29. Further, 26 core BHs have been proposed in year 2024-25.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	16.75 Lakhs	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	G2: 6.4866 Ha, G3: 10.5214 Ha	G2: 10.71 ha and Unexplored area: 6.298 Ha	Nil
1e	Balance reserves as on 01.04.2024	Not Proposed	Reserves estimated as on 18/06/2024 is 1930556.70 tones	As per Review of Mining Plan approved dated 17/10/2024s
1f	General remarks of Inspecting officer on geology, exploration etc.	25 BHs have been drilled during 2023-24 but only 14 BHs have been considered as 11 BHs were DTH and their samples have been contaminated. The exploration proposal has been reviewed in Review of Mining Plan approved dated 147/10/2024 for the proposal period 2024-25 to 2028-29. Further, 26 core BHs have been proposed in year 2024-25.		

Development (FY 2023-24)

S. No	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit A	Pit A	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in Mineral Proposed	Separate benches in Mineral maintained	Nil
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.60	Nil
2d	Quantity of topsoil generation in m ³	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m ³	11630 m ³	8974 m ³	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out in Pit A as proposed		

Exploitation (FY 2023-24):

S. No	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	314010 tones	31620 tones	Production within EC limit of 40000 tones. The proposal has been reviewed in RMP approved dated 17/10/2024
3c	Recovery of Salable/usable minerals from ROM production	282608 tones	31620 tones	-do-
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	Nil
3g	Grade of sub-grade mineral generation	Not Proposed	Nil	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Proposed	Nil	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	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 (Ha.)	5.2378 Ha	4.54 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.1	1:0.6	Nil
3o	Total area put in use under different heads at the end of year	8.2192 Ha	7.86 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2023-24: 314010 tones	31620 tones	Production within EC limit of 40000 tones. The proposal has been reviewed in RMP approved dated 17/10/2024
3q	General remarks of inspecting officer on method of mining etc.	Open cast mining method has been practiced. The production proposal has been reviewed in RMP approved dated 17/10/2024.		

Solid Waste Management-Dumping (FY 2023-24):

S. No	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB proposed	Separate dumping of OB maintained	Nil
4b	Location of topsoil, OB & mineral reject dumps	Dump Id iw3. SE	As proposed	Nil

4c	Number of Dumps within lease area and outside lease area	05 Nos	05 Nos	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of Active & Alive dumps	05 Nos	05 Nos	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	Yes	Yes	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Dumping carried out as proposed		

Solid Waste Management – Backfilling (FY 2023-24):

S. No	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	Nil
5b	Area under backfilling of mined out area	Not Proposed	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	There was no proposal for backfilling.		

Progressive Mine Closer Plan (FY 2023-24):

S. No	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E(2). Details should be given in the format as given in Annexure-20	The holder of mining lease shall submit to the competent authority a report as per the format specified by the Indian Bureau of Mines, before 1 st day of July report every year	PMCP report has been submitted timely	Nil
6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	0.18 Ha	0.18 Ha	Nil
6d	No. of saplings planted during the year	200 Nos	205 Nos	Nil
6e	Cumulative no. of plants	Not Specified	452 Nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Nil	Nil
6i	Compliance on reclamation and	Not Proposed	Nil	Nil

	rehabilitation by backfilling (ii) Void filled by waste/tailings.			
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	Not Proposed	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	Nil
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried Out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report has been submitted timely.		

Mineral Conservation (FY 2023-24):

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM Mineral	ROM Mineral	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Not Proposed	Nil	Nil
7d	Any beneficiation process at mines	Not Proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Rom mineral dispatch in practice.		

Environment (FY 2023-24):

Sl. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps of OB proposed	Maintained	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	50 Nos	205 Nos	Nil
8g	Survival rate	80%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained		

Compliance of Rule 45 (2023-24):

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual return for 2023-24 have been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information furnished	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings - 4.540 Ha, Used for waste disposal: 1.78 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	205 nos of saplings planted	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing stock of ROM is 32489.665 tones	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Cost of Production is Rs 212.68 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets Rs 7158859	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel-01 No, Dumper: 3 No etc	Nil

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
Nil					

Date :

(SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines