

MCDR Inspection Report 2023-24

1.0 GENERAL

Sl. No.	Particulars	Details
1	Name of the Mine	Hahaladdi Iron Ore Mines
2	Date of inspection	24.12.2024
3	Name of inspecting officer	Prem Prakash, Regional Controller of Mines
4	Name of the official Accompanying Inspection	1. D.K.Mahanta, Mine Agent 2. D.N. Mohanta, Mines Manager 3. R. K. Gupta, Geologist 4. Bhojram Banjare, Mining Engineer
5	Last date of Inspection & Officer	28.10.2023 & Shri D Upadhyay, DCOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest : 75.00 Non-Forest : 0.00 Total : 75.00
7	Mine Code	30CHGo8007
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/4393/2011
9	Name of the lessee, Address, phone, email and fax number	M/s. Shri Bajrang Power and Ispat Ltd. Village: Borjhara, Urla-Guma Road Urla Growth Center, Raipur- 493221 Chhattisgarh. Phone: 0771-4288019/29/39 Fax: 0771-4288123/2323601 Email: mining@goelgroup.co.in
10	Village	Hahaladdi & Chahchad
11	Taluka / Mandal	Forest Compartment: No 641(P) & 642(P) Forest Division: East Bhanupratappur Taluka: Durgukondal
12	District	Uttar Bastar Kanker
13	PIN Code	494669
14	State	Chhattisgarh
15	Post office	Durgukondal
16	Nearest police station	Durgukondal
17	Nearest Railway station	Kewati
18	Date of Grant of Mining Lease	10/11/2014
19	Date of Execution	21/11/2014
20	Weekly day of Rest	Fri day
21	Date of opening of Mine	09/02/2015
22	Date of first Renewal, if applicable and its period & expiry	Not Applicable
23	Date of second Renewal, if applicable and its period & expiry	Not Applicable
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Suresh Kumar Agarwal, Village -Borjhara, Urla-Guma Road, Urla Growth Center, Raipur, Chhattisgarh – 492 221 Phone: 0771 – 4288019/ 29/ 39 Fax: 0771 – 4288123/ 2323601 Date of Appointment: 01/01/2025

26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri D. K. Mahanta , Sr.GM (Mining) Village -Borjhara, Urla-Guma Road, Urla Growth Center, Raipur, Chhattisgarh – 492 221 Phone: 0771 – 4288019/ 29/ 39 Mobile No. 9826422310 Email: dk.mahanta@goelgroup.co.in Fax: 0771 – 4288123/ 2323601 Date of Appointment: 17/11/2020
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri D. N. Mohanta Kothari Vatshalya,Bhanupratappur, Kanker, Chhattisgarh. Email: debenranath1966@gmail.com Mobile No. – 6264354643 Date of Appointment: 03/04/2015
28	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Bhojram Banjare, Qualification: B.E. (Mining) Total Experience: More than 16 Years Near Police Station, Durgukondal, Kanker Chhattisgarh - 494669 Email: banjare_br@rediffmail.com Date of Appointment: 25/03/2015
29	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes, Name of Geologist:- Shri R. K.Gupta, Qualification: M.Sc (Geology) Total Experience: More than 15 Years Date of Appointment: 25/03/2015 Name of Mining Engineer:- Shri Bhojram Banjare, Qualification: B.E. (Mining) Total Experience: More than 16 Years Date of Appointment: 25/03/2015
30	Date of Approval of Mining Plan/Modified/ Review of Mining Plan with five-year period and specific condition, if any.	1st Mining Plan approved on dated 11/07/2008 vide letter no. KNK/FE/MPLN-995/NGP Nagpur Proposal Period: 2014-15 to 2018-19 Modified Mining Plan approved on dated 30/03/2016 vide letter no. KNK/FE/MPLN- 995/NGP/2015 Nagpur Proposal Period: 2014-15 to 2018-19 No specific condition in approval letter.
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved on Dated – 28/02/2019 vide letter no. KNK/Fe/ MP/1191/2018/ RAIPUR/1460, Proposal Period: 2019-20 to 2023-24 Modification in the Approved Review of Mining Plan approved on Dated – 21/04/2021 vide letter no. KNK/Fe/ MP-1270/2020-RAIPUR Proposal Period: 2021-22 to 2023-24 Review of Mining Plan approved on dated – 01/04/2024 vide letter no. RPR/KANKER/IRON ORE/1400/RMP/2023-24 Proposal Period: 2024-25 to 2028-29
32	Mineral(s) granted in lease and approved for mining	Iron Ore
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
35	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year proposals	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No exploration has been proposed in the approved Review of Mining Plan during F.Y. 2022-23	Nil	Entire potential mineralised area has been explored under G-1.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Not Applicable	Under G1 Category: 41.61 Ha, Area proved as Non mineralized: 33.39 Ha Total: 75 Ha.
1e	Balance reserves as on 01.04.2024	Under (111): 4.250 Million Tonnes		As per approved Modification of Approved Review of Mining Plan and AR submitted for the year 2023-24
1f	General remarks of inspecting officer on geology, exploration etc.	No exploration has been proposed during the financial year 2023-24. The entire potential mineralised area has been explored under G-1 level of exploration.		

2.0 Development:

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Development as shown in production and development plan; N 2232503 to 2233500 E 489750 to 490225	Carried out as per proposal	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Separate benches proposed in OB & mineral	Separate benches were maintained in OB & mineral	OB/Waste- 8 Nos. bench Ore- 8 Nos. bench
2c	Stripping ratio or ore to OB ratio (T:M ³)	1:1.13	1:0.37	Tonne:Cum
2d	Quantity of topsoil generation in m ³	No proposal	Nil	

2e	Quantity of overburden generation in m ³	11,36,228 m ³	2,90,949 m ³	Less Generation due to less production
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The pit developments have been carried out within the proposed area as approved in Mining Plan.		

3.0 Exploitation:

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One (01)	One (01)	
3b	Quantity of ROM mineral production proposed	1000000 Tonne	782977.76 Tonne	Production is subject to the requirement of the captive steel plant
3c	Recovery of saleable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Not applicable	
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting proposed in mineral benches	Drilling and blasting were carried out in mineral benches as proposed	Depth- 6.0 m, Spacing- 2.5 m & Burden- 2.0m
3k	Provision of mining machineries in mineral benches	Yes, HEMMs	HEMMs deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in Mining Plan	Benches of 6 meter for both overburden and mineral	Bench height and width have been maintained as per proposal	
3m	Total area covered under excavation/pits	33.560 Ha. up to the end of plan period 2023-24	About 19.00 Ha. Up to end of F.Y. 2023-24	
3n	Ore to OB ratio for the pit/mine during the year	1:1.13	1:0.37	Tonne:Cum

3o	Total area put in use under different heads at the end of year	Total put to use- 54.86 Ha. up to 2023-24	About 38.00 ha Up to end of F.Y. 2022-23	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	2019-20: 800000 2020-21:1000000 2021-22:1000000 2022-23: 1000000 2023-24: 1000000	2019-20: 599996.87 2020-21: 932829.97 2021-22: 990405.68 2022-23: 673345.39 2023-24: 782977.76	As per AR submitted
3q	General remarks of inspecting officer on method of mining etc.	Open cast working being carried out by deployment of HEMMs with the help of drilling & blasting. Less production reportedly due to less feed requirement in the captive steel plant.		

4.0 Solid Waste Management-Dumping:

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Separate dumping of Waste & OB proposed. No Top soil & mineral reject generation proposed	Separate dumping for Waste /OB carried out No Top soil & mineral reject generated	
4b	Location of topsoil, OB & mineral reject dumps	OB Dump Proposed Location: N2232198 to 2232630, E 489640 to 490070	Carried out within the proposed area	Violation is pointed out under Rule 11 (1) of MCDR, 2017 for not maintaining proper terracing of waste dump (Dump-A) at regular interval
4c	Number of dumps within lease area and outside lease area	01 no of dumps within the lease area	01 Nos of Dumps within Lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed beyond ultimate pit limit	Beyond UPL	
4e	Number of active & alive dumps	01 No	01 No	Dump-A, located in the SSW of the lease
4f	Number of dead dumps	-	Nil	
4g	Number of dumps stabilised	-	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Existing Retaining wall & garland drain all along dump were not completely/properly maintained	Violation is pointed out under Rule 11 (1) of MCDR, 2017 for not maintaining the retaining wall

				and garland drain
4j	Number of settling ponds	No proposal	5 nos. of settling tanks already constructed in past	
4k	Specific comments of inspecting officer	Environmental protection measures have not been undertaken properly around the waste dump-A as proposed in year 2024-25. Violation under 11(1) issued as the retaining wall/bunds and garland drains proposed has not been constructed so far.		

5.0 Solid Waste Management-Backfilling:

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	No area has exhausted fully for carrying out backfilling
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No proposal	Not applicable	
5d	Total area fully reclaimed & rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Mineral has not been exhausted fully & thus no proposal was given for backfilling.		

6.0 Progressive Mine Closure Plan:

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	To be submitted on or before 1 st July,2024	PMCP report received in time.	Annual report on PMCP for the year 2023-24 submitted on 30/06/2024
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	No proposal	Nil	No area is mined out fully at present
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by	No proposal	Nil	No area has got matured for

	waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			reclamation and rehabilitation purpose
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	1000 Nos No specific proposal By plantation	3000 Nos About 0.65 Hect By plantation	Plantation carried out over the waste dump & at vacant land
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring of air, water & noise proposed	Environmental monitoring of air, water & noise was carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Annual PMCP report has been submitted. No any part of ML area got fully exhausted for backfilling purposes.		

7.0 Mineral Conservation:

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise & Size-wise sorting within lease area by crushing and screening	Grade-wise & Size-wise sorting within lease area by crushing and screening	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	Mechanised Screening and Crushing.
7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	No proposal	No beneficiation being done in mines except crushing/screening	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The blasted ROM have been crushed/screened to different sizes as per requirement of the captive steel plant.		

8.0 Environment:

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumps for overburden, waste rock, rejects proposed	Separate dumps are maintained	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Area is not matured for reclamation & rehabilitation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Quarry Area is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Plantation Proposed: WML: 1000 saplings in 2023-24	Within lease area- 3000 nos. saplings	
8g	Survival rate	No specific proposal,	75%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling being carried out on haul roads to suppress the dust generated	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in & around the mine area was good.		

9.0 Compliance of Rule 45 (2023-24)

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	MR being submitted regularly Annual Return submitted upto 2023-24		AR has submitted on 27.06.2024
S. N.	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri D. N. Mohanta Geologist: Shri Rajkumar Gupta, Mining Engineer: Shri B. R. Banjare	Manager: Shri D. N. Mohanta Geologist: Shri Rajkumar Gupta, Mining Engineer: Shri B. R. Banjare	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current working- 19.12 Ha. Used for waste disposal- 12.14 Ha. Occupied by plant buildings, residential etc. -3.89 Ha. Other purpose (mineral storage & other)- 3.10 Ha.	Covered under current working- 19.12 Ha. Used for waste disposal- 12.14 Ha. Occupied by plant buildings, residential etc. -3.89 Ha. Other purpose (mineral storage & other)- 3.10 Ha.	
9d	Scrutiny of Annual return on Afforestation	Within lease area: 3000 @ 75% survival	Within lease area: 3000 @ 75% survival	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: in Tonne Opening-77744.49 Production- 782977.76	ROM: in Tonne Opening-77744.49 Production- 782977.76	

		Closing-1004.60	Closing-1004.60	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price and cost of production- Rs. 912.48 /Tonne Sale value- Nil	Captive consumption	
9i	Scrutiny of Annual return on fixed assets	Rs 212357174.00 including land, building and machinery etc.	Rs 212357174.00 including land, building and machinery etc.	
9k	Scrutiny of Annual return on mining machineries	Excavator-11 Nos. Loader- 07 Nos, Dumpers: 29 Nos. Crusher-03 Nos. Drill Machine- 02 Nos. Dozer-02 Nos.	Deployed	

10. Details of violations observed during current inspection: - Violation of Rule 11(1) of MCDR 2017 is pointed out after current inspection.

11. Analysis of DAI and submission of the scrutiny reports in the MISPAS portal.

As per the directives issued by the CCOM (I/C) dated 23.09.2024, the digital imageries (Drone Data) submitted by the lessee has been analysed and uploaded the scrutiny report/briefing as per the specified format in the online portal (i.e. MIDPAS).

प्रेम प्रकाश / Prem Prakash

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

भारतीय खान ब्यूरो, रायपुर / Indian Bureau of Mines, Raipur