

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	S. Kartikeya, Jr. Mining Geologist, Indian Bureau of Mines, Raipur
2	Accompany with Mine Officials	Shri Sanjay Shrivastava, Asso. Vice President Shri U. P. Singh, Vice President
3	Date of inspection	29/01/2020
4	Name of the Mine	Godadih Mahal No. 2 Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: 24.414 Ha. Non-Forest: 95.899 Ha. Total Lease Area: 120.313 Ha.
6	Mine Code	38CHG02003
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4355/2011
8	Name of the lessee, Address, phone, email and fax number	M/s Jindal Steel and Power Limited, Post Box No. 16, Kharsia Road, Raigarh – 496 001 (Chhattisgarh) Phone: +91 (0) 7762 – 227 001 to 005 Fax: +91 (0) 7762 – 227 021 and 022 Email: godadihmahalno2mine@jspl.com
9	Village	Godadih Mahal No. 2
10	Taluka / Mandal / District	Tehsil: Masturi, District: Bilaspur
11	State	Chhattisgarh
12	Post office & PIN	Godadih (Pachpedi), Pincode: 495 551
13	Nearest police station	Pachpedi
14	Nearest Railway station	Jairamnagar
15	Date of Grant of Mining Lease	05/01/2017 11/01/2017 to 10/01/2067 (50 years)
16	Date of Execution	11/01/2017
17	Date of opening of Mine	25/09/2018
18	Date of first Renewal, if applicable and its period & expiry	Not applicable
19	Date of second Renewal, if applicable and its period & expiry	Not applicable
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Dinesh Kumar Sraogi, Chief Operating Officer M/s Jindal Steel and Power Limited, Post Box No. 16, Kharsia Road, Raigarh – 496 001 (Chhattisgarh) Phone: +91 (0) 7762 – 227 001 to 005 Fax: +91 (0) 7762 – 227 021 and 022 Email: dks@jspl.com Date of Appointment: 09/11/2012
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Uday Pratap Singh, Vice President 13 Km. Mile Stone, G.E. Road, Madir Hasud, Raipur – 492 101 (Chhattisgarh) Phone: +91 (0) 771 - 2577600 Fax: +91 (0) 771 - 2471120

		Email: up.singh@rpr.jspl.com Date of Appointment: 23/03/2020
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Rajesh Kumar, AGM (Mines) M/s Jindal Steel and Power Limited, Post Box No. 16, Kharsia Road, Raigarh – 496 001 (Chhattisgarh) Phone: +91 (0) 7762 – 227 001 to 005 Fax: +91 (0) 7762 – 227 021 and 022 Email: rajesh_kumar@jspl.com Date of Appointment: 28/08/2018
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Rajesh Kumar, AGM (Mines) Qualification: B.E. (Mining) Experience: +24 years M/s Jindal Steel and Power Limited, Post Box No. 16, Kharsia Road, Raigarh – 496 001 (Chhattisgarh) Phone: +91 (0) 7762 – 227 001 to 005 Fax: +91 (0) 7762 – 227 021 and 022 Email: rajesh_kumar@jspl.com Date of Appointment: 28/08/2018
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes Appointed. Shri Saorav Shrivastava, DGM (Geology) Qualification: M.Tech. (Applied Geology) Experience: +15 years M/s Jindal Steel and Power Limited, Post Box No. 16, Kharsia Road, Raigarh – 496 001 (Chhattisgarh) Phone: +91 (0) 7762 – 227 001 to 005 Fax: +91 (0) 7762 – 227 021 and 022 Email: saorav.shrivastava@jspl.com Date of Appointment: 14/01/2020
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan Approved vide letter no. 314(3)/2009-MCCM(CZ)/MP-42 Nagpur dated 19/05/2010 Proposal Period: 2016-17 to 2020-21 Modified Mining Plan approved vide letter no. BLS/LST/MPLN-1189/2018 Raipur dated 15/02/2019 Proposal Period: 2018-19 to 2020-21
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NIL
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining (Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	Category 'A' Fully Mechanised
31	Captive/Non Captive	Captive
32	Existing EC Limit and validity	ROM 1.54 Million Tonnes Per Annum obtained from the Ministry of Environment, Forest and Climate Change vide letter no. J-11015/29/2010-IA.II(M) New Delhi dated 23/08/2019. Valid up to 10/01/2067

		Consent to Operate (CTO) for Production Capacity of 15,40,000.00 Metric Tonnes Per Annum (ROM) has been obtained from the Chhattisgarh Environment Conservation Board, Naya Raipur dated 22/01/2020 vide letter no. 9505/TS/CECB/2020
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Mine Development and Production Agreement has been made o 07/01/2017 Performance Security Rs. 4,12,42,130/- vide Bank Guarantee no. 2164IG000217 dated 06/01/2017 Valid Up to 06/01/2022

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2019-20: 09 nos. of boreholes with cumulative depth of 450 meters.	None of the boreholes have been drilled.	Deviation has been pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	Under G1 Category: 49.22 Ha Under G2 category: 71.093 Ha	Under G1 Category: 49.22 Ha Under G2 category: 71.093 Ha	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document.	No exploration has been done during F.Y. 2018-19 and 2019-20	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Under G1 Category: 49.22 Ha Under G2 category: 71.093 Ha	Under G1 Category: 49.22 Ha Under G2 category: 71.093 Ha	71.093 Ha. area has been considered as G2 and same will be converted in to G1 level of exploration during plan period.
1e	Balance reserves as on 01.04.2020 (in Million Tonnes)	Under (111): 18.59 Million Tonnes Under (121): 19.24 Million Tonnes Under (211): 10.81 Million Tonnes	Under (111): 21.599 Million Tonnes Under (121): 19.24 Million Tonnes Under (211): 10.81 Million Tonnes	500.00 Metric Tonnes of BF Grade Limestone has been produced during March 2020.
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	2018-19: In between UTM coordinates N2411640 to N2411895 and E634290 to E634800	No excavation and development have been done due to no Consent to Operate during the F.Y. 2018-19.	CTO has been obtained on 22/01/2020
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil/OB: 01 no. Mineral/Ore: 03 nos.	-do-	-do-
2c	Stripping ratio or ore to OB ratio	1:0.076	-do-	-do-
2d	Quantity of topsoil generation in m3	26928.00 CuM	-do-	-do-
2e	Quantity of overburden generation in m3	89761.00 CuM	-do-	-do-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01 no.	Development and Production has not been done due to no Consent to Operate during F.Y. 2018-19	CTO has been obtained on 22/01/2020
3b	Quantity of ROM mineral production proposed	1540000.00 Metric Tonnes	-do-	-do-
3c	Recovery of salable/usable mineral from ROM production	100%	-do-	-do-
3d	Quantity of mineral reject generation	No mineral-reject will be generated during F.Y. 2018-19	-do-	-do-
3e	Grade of mineral reject generation and threshold value declared	Grade of mineral-reject is not mentioned in the approved document.	-do-	-do-
3f	Quantity of sub-grade mineral generation	No mineral sub-grade will be generated during F.Y. 2018-19	-do-	-do-
3g	Grade of sub-grade mineral generation	Grade of mineral sub-grade is not mentioned in the approved	-do-	-do-

		document.		
3h	Manual / Mechanised method adopted for segregating from ROM	Proposal has been given in the approved document for Mechanised Crushing and Screening.	-do-	-do-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study has been proposed in the approved document during the plan period.	-do-	-do-
3j	Provision of drilling & blasting in mineral benches	Dia.: 100 mm Spacing: 3.0 m Burden: 2.50 m Depth: 6.60 m	-do-	-do-
3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> 1. Hydraulic Excavator 05 nos. with 2.1 CuM bucket capacity 2. Tippers/Dumpers 21 nos. with 20 Metric Tonne capacity 3. DTH Drill 05 nos. with 100 mm dia 4. Compressor 05 nos. with 450 cfm capacity 5. Water Sprinkler 02 nos. with 10000 liters capacity 6. Explosive Van 01 no. with 10 Metric Tonne capacity 7. Jeep 02 nos. 8. Dozer 01 no. 9. Hydraulic Rock Breaker 01 no. 10. Tractor 01 no. 11. Maintenance Van 01 no. 12. Truck 01 no. 	-do-	-do-

		13. Misc. (crane, Lifter, Welding Set Etc.) 01 no. 14. Crusher 01 no. 15. Weigh Bridge 01 no.		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil/OB/Mineral Bench Height: 06 meters Width: 18 meters	-do-	-do-
3m	Total area covered under excavation/pits	16.50 Ha.	-do-	-do-
3n	Ore to OB ratio for the pit/mine during the year	1:0.076	-do-	-do-
3o	Total area put in use under different heads at the end of year	Pit- 16.50 Ha. Waste/reject- 5.69 Ha. Others- 4.35 Ha.	Pit- 0.0 Ha. Waste/reject- 0.0 Ha. Others- 5.798 Ha	-do-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2016-17: 1540000.00 Metric Tonnes Yr- 2017-18: 1540000.00 Metric Tonnes Yr- 2018-19: 1540000.00 Metric Tonnes Yr- 2019-20: 1540000.00 Metric Tonnes	Yr- 2016-17: NIL Metric Tonnes Yr- 2017-18: NIL Metric Tonnes Yr- 2018-19: NIL Metric Tonnes Yr- 2019-20: 500.00 Metric Tonnes	-do-
3q	General remarks of inspecting officer on method of mining etc.	NIL		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Proposal has been given in the approved document for separate dumping of Topsoil, OB/Waste and Mineral	Development and Production has not been done due to no Consent to Operate during F.Y. 2018-19	CTO has been obtained on 22/01/2020
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	In between UTM co-ordinates Topsoil: N2410812 to N2410916 and E635986 to E636086	-do-	-do-

		OB/Waste: N2410605 to N2410736 and E635726 to E635900 Mineral/Ore: N2410966 to N2411040 and E634996 to E635056		
4c	Number of dumps within lease area and outside lease area	Within Lease Area: 02 nos. Outside Lease Area: NIL	-do-	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed beyond ultimate pit limit.	-do-	-do-
4e	Number of active & alive dumps	02 nos.	-do-	-do-
4f	Number of dead dumps	No dead dumping has been proposed in the approved document during plan period.	-do-	-do-
4g	Number of dumps stabilised	No proposal has been given in the approved document for stabilization of dumps.	-do-	-do-
4h	Whether Retaining wall or garland drain all along dumps are there	Proposal has been given in the approved document for construction of garland drain along Waste/OB dump.	Not constructed.	-do-
4i	Length of Retaining wall or garland drain all along dump	As per approved document 750 meters long garland drain will be constructed during F.Y. 2018-19	Not constructed	-do-
4j	Number of settling ponds	0.60 Ha. area will be converted into settling ponds.	Not constructed.	-do-
4k	Specific comments of inspecting officer	NIL		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before	Proposal has been given in the approved document	Development and Production has not been done due to	CTO has been obtained

	starting backfilling	for full extraction of mineral from the lease before backfilling.	no Consent to Operate during F.Y. 2018-19	on 22/01/2020
5b	Area under backfilling of mined out area	Proposal has not been given in the approved document for backfilling in the mined out area as the mineral has not been mined out completely	-do-	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Proposal has been given in the approved document for concurrent use of Topsoil for ground restoration.	-do-	-do-
5d	Total area fully reclaimed & rehabilitated	Proposal has not been given in the approved document for reclamation and rehabilitation.	Not applicable as on date.	-do-
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	PMCP Report is not submitted for the F.Y. 2018-19.	Could not be ascertained as no records have been maintained.	Deviation has been pointed out.
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	Proposal has not been given in the approved document for reclamation and rehabilitation over worked/ mined out benches.	Not applicable	-do-

6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Proposal has not been given in the approved document for rehabilitation by backfilling in the voids.	Not applicable	-do-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2018-19: 2525 nos. 2.42 Ha. (7.5m barrier zone) By plantation.	Not done NIL area covered Not method adopted	Deviation has been pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of Ambient Air, Water Quality and Noise Vibrations.	Being done as per proposal.	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	NIL		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal has been given in the approved document for segregation of the mineral/ore before its dispatch to the crusher plant.	Development and Production has not been done due to no Consent to Operate during F.Y. 2018-19	CTO has been obtained on 22/01/2020
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised sizing has segregation has been proposed in the approved at the pit head.	-do-	-do-
7c	Different grade of mineral sorted out at mines	Proposal has been given in the approved document for segregation and sorting of Blast Furness Grade (BF) and Cement Grade Limestone at the mine site.	-do-	-do-

7d	Any beneficiation process at mines	No beneficiation process has been proposed in the approved document during plan period.	Not applicable.	-do-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Proposal has been given in the approved document for separate removal of topsoil and stacking at earmarked location within lease area.	Development and Production has not been done due to no Consent to Operate during F.Y. 2018-19	CTO has been obtained on 22/01/2020
8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for concurrent use of topsoil for ground restoration at 7.5 m barrier zone.	-do-	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Proposal has been given in the approved document for separate dumping of Topsoil, OB/Waste and Mineral/Ore.	-do-	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has been given in the approved document for utilization of Topsoil/OB for ground restoration at 7.5 m barrier zone.	-do-	-do-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal has been given in the approved document for phase restoration and rehabilitation through plantation at 7.5 m barrier zone.	-do-	-do-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	2018-19: 2525 nos. of saplings will be planted along the 7.5 m barrier zone.	NIL plantation has been done during F.Y. 2018-19	-do-
8g	Survival rate	Not mentioned in the approved document.	-do-	-do-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water	Development and Production has not been done	-do-

		sprinkling through water tanker.	due to no Consent to Operate during F.Y. 2018-19	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – March 2020 A.R. submitted upto- F.Y. 2018-19	NIL

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	Mining Engineer: Shri Rajesh Kumar Geologist: Shri Sanjay Kumar Manager: Shri Rajesh Kumar	Mining Engineer: Shri Rajesh Kumar Geologist: Shri Saorav Shrivastava Manager: Shri Rajesh Kumar	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 0.0 Ha. Waste/reject- 0.0 Ha. Others- 5.798 Ha	Pit- 0.0 Ha. Waste/reject- 0.0 Ha. Others- 5.798 Ha	Development and Production has not been done due to no Consent to Operate during F.Y. 2018-19
9d	Scrutiny of Annual return on Afforestation	NIL Plantation	NIL Plantation has been done	Deviation has been pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject: NIL	NIL Production has been reported due to no CTO	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM: NIL Graded Ore: NIL	-do-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL Ex-mine Price: NIL Cost of Production: NIL	-do-	-
9i	Scrutiny of Annual return on fixed assets	Value: Zero	-do-	-
9k	Scrutiny of Annual return on mining machineries	NIL information given	-do-	-

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No outstanding violations.

Date of Last Inspection, Name and Designation of the Inspecting Officer:

Shri R. K. Das, Sr. Asstt. Controller of Mines and Shri R. N. Mineshra, Sr. Mining Geologist
date of inspection: 15/01/2019

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्योरा
Rule 11(1)	The following deviations have been found in the mine from the approved Modified Mining Plan vide letter no. BLS/LST/MPLN-1189/2018 Raipur dated 15/02/2019 for the period of F.Y. 2018-19 to 2020-21: Exploration: During F.Y. 2018-19; it was proposed to carry out 09 nos. of Core Boreholes up to a cumulative depth of 450 meters; whereas, none of boreholes have been drilled. Afforestation: There was a proposal given for plantation of 2525 nos. of plants during 2018-19. Whereas, NIL plantation has been done.
Rule 26 (2)	A yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out has not been submitted for the year 2018-19.
Rule 33	Updated print copy of the surface geological plan and sections has not been submitted before 30th day of June for the financial year 2018-19.

(Name of the Inspecting Officer and Designation and Date)

Shaival Kartikeya
Jr. Mining Geologist
Indian Bureau of Mines, Raipur
Date of inspection: 29/01/2020