

MCDR Data Base Format

Sl . No.	Particulars	Details
1	Name of the Mine	Halhaldi Iron ore Mine
2	Date of Inspection:	09.11.2023
3	Name of Inspecting Officer	Shri D. Dash, Regional Mining Geologist
4	Name of official accompanying inspection	Mr. Subhash Singh (Mines Manager), Amitabh Nandan (Mining Engineer), Amit Kumar Pandey (Geologist), Ramnandan Singh (Surveyor).
5	Last date of Inspection & Officer	07/06/2023, Shri Prem Prakash, Regional Controller of Mines
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	78.90 ha (Total forest land)
7	Mine code	30CHG8011
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/1038/2011
9	Name of the Lease, Address, Phone, email and fax number	M/s Mivan Steels Limited vide State Govt. letter no. F-3-33/1999/12 dated 13.09.2023(Formerly JSW Ispat Special Products Limited)
10	Village	Halhaldi
11	Taluka/Mandal	Durgukondal
12	District	North Bastar Kanker
13	Pin code	494669
14	State	Chhatisgarh
15	Post Office	Durgukondal
16	Nearest Police Station	Durgukondal
17	Nearest Railway Station	Kewati
18	Date of Grant of Mining Lease	06.01.2017
19	Date of Execution	07.01.2017
20	Weekly day of rest	Sunday
21	Date of opening of Mine	01.11.2021
22	Date of First Renewal, if applicable and its period & expiry	N/A
23	Date of Second Renewal, if applicable and its period & expiry	N/A
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Suresh Kumar Tiwari, A5, Daldal Sioni Road, Anant Vihar Colony, Mowa Raipur, Saradhoo(Sardhu) Raipur(Chhattisgarh-492007,Email :mivaansteelsraipur@aionjsw.in Date of Appointment-18/07/2023
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Suresh Kumar Tiwari, A5, Daldal Sioni Road, Anant Vihar Colony, Mowa Raipur, Saradhoo(Sardhu) Raipur(Chhattisgarh-492007, Email D:mivaansteelsraipur@aionjsw.in Date of Appointment-18/07/2023

1/32670/2024

27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Subhash Singh, Antilia 58, Krisna Grand City, At: Arya Nagar, PO: Supela, Dist: Durg, State: Chattisgarh., Pin: 490023, Mob No. 9938600915 Email: subhash.singh@aionjsw.in Date of Appointment: - 06/07/2023
28	Name of the Mining Engineer & Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Amitabh Nandan, BE (Mining), Exp: 22 years., H.No. 4/148/84, Binda Niwas, Behind Shubham Residency, Durgabhat, Ponda, Goa, Pin: 403401, Mob No. 9049315045; Email: amitabh.nandan@aionjsw.in , Date of Appointment: - 01/11/2021 Amit Kumar Pandey, M.Sc.(Geology), Exp: 15 years., C/O: Girwar Kuldeep, Ward No. 05, Tehsil Para, Bhanupratapur, Dist: North Bastar Kanker, Chhattisgarh, 494669, Email: geological@aionjsw.com Date of Appointment: - 01/11/2021)
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	yes
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. KNK/FE/MPLN-952/NGP dated 17.01.2008
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 vide letter no. KNK/FE/MPLN-1326/ Raipur dated 21.04.2022 for the period from 2021-22 to 2025-26. Modification of Review of Mining Plan was approved vide letter no. KNK/FE/MPLN-1334/ Raipur 12.08.2022 for the period from 2022-23 to 2025-26.
32	Mineral(s) granted in lease and approved for Mining	Iron ore
33	Method of Mining (Opencast, Underground)	opencast
34	Category (Fully Mechanized, Others or Manual)	Fully mechanized
35	Captive/Non-Captive	captive
36	Present EC Status	50 years wef 17.05.2017
37	Status of Financial Assurance	Valid upto 31.03.2026

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II. SCIENTIFIC MINING

I/32670/2024

[Data in respect of financial year (2022-23) or cumulative, as applicable]

Sl. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
A. EXPLORATION:-				
1a	Backlog of Previous Year	Nil	Nil	
1b	Exploration Over Lease area for Geological Axis 1 or 2	20 nos.	60 nos. boreholes Total depth: 2270 mts.	Exploration done beyond the proposal.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	Cost: Rs/- 18,4,82,934 (Rupees eighteen crore four lakh eightytwo thousand nine hundred thirty four only)	Gems Project Private Limited.
1d	Balance area to be explored to bring Geological axis 1 or 2	15.06 Ha. (approx.)	15.06 ha	
1e	Balance reserves as on 09/011/2027	122: 2.5786 million ton 333: 0.134 million ton		
1f	General remarks of inspecting officer on geology, exploration etc.	Previously, only 04 boreholes were drilled in the lease area. During the year 2022-23, exploration in form of 20 boreholes were proposed against which 60 boreholes at a grid interval of 100m with total meterage of 2270 have been drilled.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
B. DEVELOPMENT:-				
2a	Location of development w.r.t. lease area	E 488543.4-488634.9 N 2236344.3- 2236475.6	No quarry development, only road development work done.	Production of ROM during construction of haul road developmental work.
2b	Separate benches in topsoil, overburden and mineral	Proposed	Maintained.	-do-
2c	Stripping ratio or ore to OB ratio	1: 00	Nil generation of waste reported.	The mine was in the development stage during 2022-23.
2d	Quantity of topsoil generation in m3	2328	Nil	

1/32670/2024

2e	Quantity of overburden generation in m3	NIL	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No quarry development work was carried out during the year 2022-23. Only, road development work carried out.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
C. EXPLOITATION:-				
3a	Number of Pit Proposed for Production	One	Nil	Only road development work done.
3b	Quantity of ROM mineral production proposed	1,50,000 ton	1,20,477ton	Production is on lower side.
3c	Recovery of Sailable/ Usable Mineral from ROM Production	132000 ton	1,20,477 tonnes	
3d	Quantity of mineral reject generation	9257 ton	Nil	Nil reported in Annual Return.
3e	Grade of mineral reject generation and threshold value declared	Below Fe:45%	Below Fe: 45%	
3f	Quantity of sub-grade mineral generation	-	-	
3g	Grade of sub-grade mineral generation	-	-	
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	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	NIL	
3k	Provision of mining machineries in mineral benches	Excavators cum loading equipment: 2 nos. Dozer: 1 nos. Drilling Machine: 1 Dumper: 4	Excavators cum loading equipment: 2 nos. Dozer: Nil. Drilling Machine: Nil Dumper: 4	
3l	Whether height of benches in overburden and mineral suitable for method of mining	Yes	yes	

1/32670/2024

	proposed in MP/SOM			
3m	Total area covered under excavation/pits	Not specific.	3.000	Area excavated for haul road development
3n	Ore to OB ratio for the pit/mine during the year	1: 00	1:00	
3o	Total area put in use under different heads at the end of year	Not specific	Covered under current (O-C) Workings: 3 ha, Occupied by plant, buildings, residential, welfare buildings and roads 7.276 ha Total area: 10.276Ha. 10.28 Ha.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 72450 2019-20: 96600 2020-21: 96600 2021: 22:96600 2022: 23: 120800 ton (Approx) 2023-24 : 150000 ton	Nil Nil Nil 2393.49T 1,20,477.160 1,02,132.76	As on 08.11.2023
3q	General remarks of inspecting officer on method of mining etc.	During the year 2022-23, a single quarry development was proposed, however, during the year, only road development has been carried out. During the process, ore generation has been reported.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
D. SOLID WASTE MANAGEMENT - DUMPING:-				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects (Rule 32,33)	2247 cum	Nil reported	
4b	Location of Topsoil, OB and Mineral Rejects Dumps	E488986.4 - 489027..1N2236494.5-2236549.4.	Nil	
4c	Number of Dumps within Lease & Outside Lease area	Lease area = 1 Out Side lease area: Nil	Lease area = Nil Out Side lease area: Nil	
4d	Location of Dumps, within Ultimate Pit Limit (Rule-16)	E 488400 to E 488480 N 2236224 to N 2236320	Nil	
4e	Number of Active & Alive Dumps	1	Nil	
4f	No of Dead Dumps	Nil	Nil	
4g	No of Dumps Established	1	Nil	
4h	Whether Retaining Wall or Garland drain along Dumps are there	Yes	yes	Garland drain
4i	Length of Retaining Wall or Garland drain	98	447	Garland drain

1/32670/2024

	along Dumps			
4j	No. of Settling tanks	5 nos.	4 nos.	
4k	Specific comments of inspecting officer on waste dump management	No waste generation has been reported during the year 2022-23.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
E. SOLID WASTE MANAGEMENT – BACKFILLING:-				
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	New Mine , Mine is under development stage.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine is at a initial stage of mining and no area is mined out. Thus, at present, there is no scope for backfilling.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
F. PROGRESSIVE MINE CLOSURE PLAN:-				
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Yes	Yes	
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	Nil 300 900 NA Rs. 15000/-	Nil 1300 2600 NA Rs55000/-	Cost of samples, fertilizer and pit digging for

1/32670/2024

				plantation. New Mine
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	Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	New Mine
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	Core zone & Buffer zone.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	During the year 2022-23, plantation of 300 saplings was proposed, against which 1300 saplings have been planted with 70% survival rate.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
G. MINERAL CONSERVATION:-				
7a	ROM mineral dispatch or grade wise sorting within lease area	Proposed within lease area	Done as proposed	
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechnised	Done as proposed.
7c	Different grade of mineral sorted out at mines	Not specific	Sorted out mechanically by crushing and screening unit	Done as proposed.
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The run of mine ore are fed to crushing and screening unit and after sizing and screening are made saleable.		

Sl. No	Item	Proposals(2022-23)	Actual Work(2022-23)	Remarks
H. ENVIRONMENT:-				

1/32670/2024

8a	Separate removal and utilization of topsoil	Yes	yes	Used in plantation
8b	Concurrent use or storage of topsoil	Storage	Yes	Presently incidental generated top soil are used in plantation
8c	Separate dumps for overburden, waste rock, rejects and fines	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	NIL	It is a new mine
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	NIL	It is a new mine
8f	Baseline information on existence of plantation & additional plantation done	900	2600	
8g	Survival rate	80%	Approx.70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	During the year 2022-23, no top soil generation has been reported.		

Sl. No	Item	Comments		Remarks
I. COMPLIANCE OF RULE-45:-				
9a	Status of Submission of Monthly & Annual Returns	MR Submitted up to = Oct,2023 AR Submitted up to 2022-23.		Submitted on time.
Sl. No	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 Amar Kumar Chodhary Geologist: Shri Amit Kumar Pandey Manager: Shri Amar Kumar Chodhary	The officials were present during the inspection.	
9c	Scrutiny of Annual return on land use pattern for area under	Nil	Nil	

I/32670/2024

	pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation	Covered under current (O-C) Workings: 3 ha, Occupied by plant, buildings, residential, welfare buildings and roads 7.276 ha Total area: 10.276 Ha.	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Ni generation reported.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock: Nil Closing stock: 14351 tonnes	Appears to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine price: Lumps: 51% to below 55% Fe: Rs 1800, 55% to below 58% Fe: rs 1800, Cost of production: Rs 1270	Appears to be correct.	
9i	Scrutiny of Annual return on fixed assets	Rs 23114326	Appears to be correct.	
9k	Scrutiny of Annual return on mining machineries	Shovel(Hydraulic) – 02 Dumper = 06	Found in operation during the visit.	

III. Status of compliance of MCDR,2017 including therewith the rectification of outstanding violation of the rules.

Date of last inspection	Violation pointed out	Compliance reported
08.06.2023	11(1)	Complied

During the current inspection, no serious violation is observed.

Date:

(Debadurllav dash)
Regional Mining Geologist