

MCDR INSPECTION REPORT

General

S. No	Particulars	Details
1	Name of the Mine	Dalpahar Iron and Manganese Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	89.961 Ha (Entire Area falls under Baitarani R.F)
3	Mine code	30ORI08063
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8424/2011
5	Name of the lessee, Address, phone, email and fax number	Shri Avin Jain, PoA of Legal Heir of Late Shri D C Jain, Dharm Villa, 12-A, Mahatma Gandhi Marg (Ring Road), Lajpat Nagar-IV, New Delhi-110024, Mobile No. 09810044556, Email: avinjain@dalpahar.in
6	Village	Dalpahar
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pin code	758034
10	State	Odisha
11	Post office	Joda
12	Nearest police station	Joda
13	Nearest Railway station	Jurudi
14	Date of Grant of Mining Lease	05.06.1984
15	Date of Execution	09.06.1986
16	Date of opening of Mine	Opening: 01.04.1993 Discontinued on 31.05.1995 Re-opening: 15-12-2023
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA

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21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri Samarendra Nath Mohanty, Plot No.500/2702, Gada Mahavir Lane, Post: Old Town, Bhubaneswar-751002, District-Khorda, Mobile No.9437139665, Email: samar@dalpahar.in 05.12.2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri Utpal Jana, At.-Lauda, Post: Banamalichatta, Midnapore (East), West Bengal- 721449, Mobile No. 06296648217 Email: utpaljana11@gmail.com , 05.12.2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Botla Naveen Kumar, B.Tech Mining (9 Years' Experience), 3-105/1, Chinnakodepaka Regonda Mandalam, Regonda Warangal, Telangana-506164, Mobile No.09491500124 naveenreubens@gmail.com , 05.12.2023
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Hitanshu Sekhar Sahoo, M.Sc. Geology, (27 Years Experience), At./Post: Badachana, Mobile No. 7849083945, hitansu.sahoo@yahoo.com , 05.12.2023
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	<u>Mining Engineer:</u> Sri Botla Naveen Kumar, B.Tech Mining (9 Years' Experience), 3-105/1, Chinnakodepaka Regonda Mandalam, Regonda Warangal, Telangana-506164, Mobile No.09491500124 naveenreubens@gmail.com , <u>Geologist:</u> Sri Hitanshu Sekhar Sahoo, M.Sc. Geology, (27 Years Experience), At./Post: Badachana, Mobile No. 7849083945, hitansu.sahoo@yahoo.com
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with	Approved vide letter no. RMP/A/ 18-ORI/BHU/2020-21 dated.

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	five-year period and specific condition in approval letter, if any.	06.11.2020 by IBM, Bhubaneswar
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	Iron & Manganese Ore
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
31	Captive/Non Captive	Non-Captive

Exploration

S.N.	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	129	Nil	The lessee could not carried out the proposed exploration, as the mine was not in operation, due to pending of statutory clearances.
1b	Exploration over lease area for Geological axis 1 or 2.	36 Ha.	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	68.361 Ha.	Nil	
1e	Balance reserves/resource as per latest approved document	3.8 MT – Iron, 0.42MT – Mn.		
1f	General remarks of inspecting officer on geology, exploration etc.	The lessee could not carried out the proposed exploration, as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

Development

S.N	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
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2a	Location of development w.r.t. lease area	Iron: N2430192/ N2430365 to E333948/ E334128 Mn: N2431203/ N2431320 to E334105/ E334200	Nil	The lessee could not carried out the proposed development, as the mine was not in operation, due to pending of statutory clearances.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Proposed	Nil	
2c	Stripping ratio or ore to OB ratio	Iron: 1:0.16 Mn: 1: 1.42	Nil	The lessee could not carried out the proposed development, as the mine was not in operation, due to pending of statutory clearances.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Iron:20891 tons Mn: 40248 tons	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	The lessee could not carried out the proposed development, as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

EXPLOITATION

SN.	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	Iron : One , Mn.: Two	Iron : One ,	The lessee could not carried out the proposed exploitation/ production, as the mine was not in operation, due to pending of statutory clearances.

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3b	Quantity of ROM mineral production proposed	Iron : 129160 tons , Mn.: 28380 tons	Iron : 9998 tons , Mn.: Nil	The lessee could not carried out the proposed exploitation/ production, as the mine was not in operation, due to pending of statutory clearances.
3c	Recovery of salable/usable mineral from ROM production	Iron : 115800 tons , Mn.: 21500 tons	Iron : 9998 tons , Mn.: Nil	
3d	Quantity of mineral reject generation	Iron : 13360 tons , Mn.: 6880 tons	Nil	
3e	Grade of mineral reject generation and threshold value declared	45 -55% Fe% - Iron 20 – 10 Mn% - Mn.	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Iron – Mechanised Mn.- Manual	Iron – Mechanised Mn.- Manual	
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, proposed	Nil	
3k	Provision of mining machineries in mineral benches	Excavator and Dumper combination.	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, it is proposed to keep the bench height up to 10 mtr for both Ore & OB benches.	Not carried out	The lessee could not carried out the proposed exploitation/ production, as the mine was not in operation, due to pending of statutory clearances.
3m	Total area covered under excavation/pits	11.458 Ha.	3.06 Ha.	
3n	Ore to OB ratio for the	Iron: 1:0.16	Nil	The lessee

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	pit/mine during the year	Mn: 1: 1.42		could not carried out the proposed exploitation/ production, as the mine was not in operation, due to pending of statutory clearances.
3o	Total area put in use under different heads at the end of year	11.458 Ha.– Mining 4.418 Ha. –Dump 1.35 Ha. – Plant 1.867 Ha. - Road 1.25 Ha. – Storage &Infrastructure 3.113 – Green Belt	3.06 Ha.– Mining 1.93 Ha. – Dump 2.17 Ha. - Road 3.113 – Green Belt	The lessee could not carried out the proposed exploitation/ production, as the mine was not in operation, due to pending of statutory clearances.
3q	General remarks of inspecting officer on method of	The lessee could not carried out the proposed exploitation/ production, as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

Solid Waste Management-Dumping

S.N	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	-	NIL	Due to Pending Statutory Clearances, Mines was not in operation.
4b	Location of topsoil, OB & mineral reject dumps	-	NIL	
4c	Number of dumps within lease area and outside lease area	-	NIL	
4d	Location of dumps w.r.t. ultimate pit limit	-	NIL	
4e	Number of active & alive dumps	-	NIL	
4f	Number of dead dumps	-	NIL	

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4g	Number of dumps stabilized	-	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	-	NIL	
4i	Length of Retaining wall or garland drain all along dump	-	NIL	
4j	Number of settling ponds	-	NIL	
4k	Specific comments of inspecting officer on waste dump management	The lessee could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

Solid Waste Management-Backfilling

S.N	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	The mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine is not mature for backfilling and there was no such proposal for back filling. The lessee could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

Progressive Mine Closure Plan

S N	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	As per Rule 26(2) Annual PMCP report to be submitted before 1st day of July of Every Year.	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.	
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	i. Nil ii. Nil iii. Nil iv. Nil v. Nil vi. Nil	i. Nil ii. Nil iii. Nil iv. Nil v. Nil vi. Nil	
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	i. Nil ii. Nil iii. Nil iv. Nil v. Nil	i. Nil ii. Nil iii. Nil iv. Nil v. Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Gap plantation within the safety zone area ii) 2023-24= 0.29 Ha. iii) Plantation	i) Nil ii) Nil iii) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air, Noise and Water quality monitoring will be done during the year within the lease area.	Air, Noise and Water quality monitoring have been carried out after reopening of the mine since	

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			15.12.2023 within the lease area.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The lessee could not carried out any PMCP proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

Mineral Conservation

S.N.	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Saleable Ore: +55 % Fe, Mineral Reject:- +45 to 55% Fe Saleable Ore: +20 % Fe, Mineral Reject:- +10 to 20% Mn. were proposed.	Not carried out	The lessee could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Iron: Mechanical Mn: Manual	Iron: Mechanical	The lessee could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
7c	Different grade of mineral	Saleable Ore:	Not carried out	The lessee

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	sorted out at mines	+55 % Fe, Mineral Reject:- +45 to 55% Fe Saleable Ore: +20 % Fe, Mineral Reject:- +10 to 20% Mn. were proposed.		could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
7d	Any beneficiation process at mines	Nil	Nil	No Such proposal during the reporting year.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Such proposal of beneficiation during the reporting year. The lessee could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process.		

Environment

S.N.	Item	Proposals for 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	No such proposal for the reporting year.	Nil	The mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
8b	Concurrent use or storage of topsoil	No such proposal for the reporting year.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumps for overburden and mineral	Not carried out	The lessee could not carried out

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		reject stacks, waste rocks are proposed.		any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional Plantation done	Gap plantation will be carried out over 0.29 Ha area with a survival rate of 80% within the lease area.	Not carried out	The lessee could not carried out any proposal as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads has been carried out during the reporting year.	Water sprinkling by water tanker over haul roads has been carried out after reopening of the mine since 15.12.2023	Water sprinkling by water tanker over haul roads has been carried out after reopening of the mine since

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			within the lease area.	15.12.2023 within the lease area.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The lessee could not carried out any proposals of environmental protection work as the mine was not in operation, due to pending of statutory clearances. The mine was reopened on 15.12.2023 after obtaining all statutory clearances. However the lessee has submitted a modified revised proposal of review of mining plan to this office for its approval and the same is under process. However the lessee has carried out water sprinkling by water tanker over haul roads after reopening of the mine since 15.12.2023 within the lease area.		

Compliance of Rule 45:

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to March 2024. A.R. Submitted up to – N/A		Mine Production Commenced from 8 th March 2024.
S.N	Item	Details given in A.R. for the year 2022-23	Observation of I/ Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.
9d	Scrutiny of Annual return on afforestation	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the

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				date of inspection i.e. 17.04.2024.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.
9i	Scrutiny of Annual return on fixed assets	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.
9k	Scrutiny of Annual return on mining machineries	NA	NA	As the reporting year is yet to be completed and schedule date for submission for annual return is awaited till the date of inspection i.e. 17.04.2024.