

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	File No	MCDR-MiFLOFE/1/2023-BBS-IBM_RO_BBS
2	Name of Inspecting Officer	Vikram Deshpande, Assistant Controller of Mines
3	Date of Inspection	13th December, 2024
4	Name of the Mine	Katamati Iron Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (ha)- 403.3238 ha i) Forest area(ha): 360.01 ha ii) Non-Forest(ha): 43.3138 ha
6	Mine Code	30ORI08035
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4376/2011
8	Name of the lessee, Address, phone, e-mail, and fax number	Tata Steel Limited, 24 Homi Mody Street, Fort. Mumbai-400001, Ph No.: 9262699402 Fax: 06767-272010 Email id: ceo_md_office@tatasteel.com
9	Village	Katamati
10	Taluka/Mandal	Barbil
11	District	Keonjhar
12	Pin-code	758034
13	State	Odisha
14	Post office	Deojhar
15	Nearest police station	Joda
16	Nearest Railway station	Noamundi
17	Date of Grant of Mining Lease	17.01.1933
18	Date of Execution	20.11.1933
19	Date of opening of Mine	1933
20	Date of 1 st Renewal, if applicable and its period & expiry	10.01.1978 w.e.f. 17.01.1963 to 16.01.1983, 20 years
21	Date of 2 nd Renewal, if applicable and its period & expiry	27.10.1984 w.e.f. 17.01.1983 to 16.01.2003, 20 years
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not a deemed extension. Lease period extended till 31.03.2030. Supplementary Lease Deed executed on 27.11.2016.
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. T. V. Narendran Northern Town, Jamshedpur, P.O: Bistupur, Dist: East Singhbhum, Jharkhand- 831001, Phone No: 0657-2424602 Email id: narendran@tatasteel.com Date of appointment: 01.11.2013
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. D. Vijayendra Katamati Iron Mine, At/PO: Noamundi Dist: Keonjhar Phone No: - 9036040123 d.vijayendra@tatasteel.com Date of appointment: 02.04.2024
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Ajay Kumar Goyal, Katamati Iron Mine, At/PO: Deojhar Dist: Keonjhar Phone No:- 9040095639 ajay.goyal@tatasteel.com Date of appointment: 10.10.2022
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Ajay Kumar Goyal, Qualification: B.Tech in Mining Engineering Experience: 15 years Katamati Iron Mine, At/PO: Deojhar Dist: Keonjhar Phone No:- 9040095639 ajay.goyal@tatasteel.com Date of appointment: 10.10.2022

27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes GEOLOGIST: Mr. Mithun Mukherjee Qualification: MSc. Tech. in Applied Geology mithun.m@tatasteel.com Date of appointment: 15.05.2019 MINING ENGINEER: Mr. Ajay Kumar Goyal Qualification: B. Tech in Mining Engineering ajay.goyal@tatasteel.com Date of appointment: 10.10.2022
28	Date of Approval of Mining Plan/ Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Approval of Mining Plan: - Vide Letter No. 314 (3)/2000-MCCM(C)/MP-14 dated 06.07.2001, for the period: 2001-02 to 2007-08
29	Date of Approval of Review of Mining of Mining with five-year period and specific condition in approval letter, if any.	Approval of Review of Mining Plan: - Vide Letter No. BBSR/KJR/IRON/2185/RMP/2022-23 dated 03.01.2023, for the period: 2023-24 to 2027-28
30	Mineral(s) granted in lease and proved for mining	Iron Ore
31	Method of Mining (Opencast, Underground)	Opencast
32	Category (Fully Mechanised, Others or Manual)	Fully Mechanised (Category A)
33	Captive/Non Captive	Captive

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	0	0	
1b	Exploration over lease area for Geological axis 1 or 2.	44 nos. 1620 m	75 nos. 2100.5 m	The mining lease area has not been completely explored under G-1 category hence violation of Rule 12(4) of MCDR 2017 has been pointed out to the lessee.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Tata Steel Ltd. 146 Lakhs	Tata Stee Ltd. 189.05 Lakhs	
1d	Balance area to be explored to bring in Geological axis in 1 or 2	19.86 ha	19.76 ha	Balance area of 0.1 ha (non-mineralized) in G3.
1e	Balance reserves as on 01.04.2024		Balance of reserves at end of FY'24= 73995468 T	
1f	General remarks of inspecting officer on geology, exploration etc.	The mining lease area has not been completely explored under G-1 category hence violation of Rule 12(4) of MCDR 2017 has been pointed out to the lessee.		

2.0 DEVELOPMENT

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit 1 N: 2446124 to 2447354 E: 343600 to 344666 Pit 2 N: 2447617 to 2447832 E: 343220 to 343532 Pit 4 N: 2446299 to 2446647 E: 342989 to 343405	Pit 1 N: 2446145 to 2447304 E: 343644 to 344628 Pit 2 N: 2447668 to 2447765 E: 343256 to 343427 Pit 4 N: 2446290 to 2446535 E: 343003 to 343333	Excavation within proposed area. Avg. Pit Dimensions (L×B×D) Pit-I: 1082.08 × 815.76 × 168 Pit-II: 67.07 × 142.62 × 24 Pit-IV: 396.37 × 90.94 × 48
2b	Separate benches in topsoil, overburden, and mineral (Rule 15)	Separate benches in overburden, and mineral proposed.	Separate benches in overburden, and mineral maintained.	
2c	Stripping ratio or ore to OB ratio	1: 0.0518 T/m ³	1: 0.0533 T/m ³	
2d	Quantity of topsoil generation in m ³	No proposal of top soil generation during reporting year.	No top soil generated during reporting year.	
2e	Quantity of overburden generation in m ³	630875	622916	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine workings were confined to 3 pits viz Pit-1, Pit-2 and Pit-4. The development was carried out within the proposed grids as per the approval on the date of inspection.		

3.0 EXPLOITATION

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	3	3	Pit 1, Pit 2, Pit 4
3b	Quantity of ROM mineral production proposed	12184061 T	11682921.001 T	
3c	Recovery of saleable/usable mineral from ROM production	11600000 T	11171696.001 T	
3d	Quantity of mineral reject generation	584061 T	511225 T	
3e	Grade of mineral reject generation and threshold value declared	Fe%: 45-58	Generation FY'23-24: Fe% = 56.35 Stacked at mineral reject dumps, Fe% = 51.99	
3f	Quantity of sub-grade mineral generation	584061 T	511225 T	
3g	Grade of sub-grade mineral generation	Fe%: 45-58	Generation FY'23-24: Fe% = 56.35 Stacked at mineral reject dumps, Fe% = 51.99	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed for segregating from ROM.	Mechanised method for segregating from ROM adopted	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No analysis or beneficiation study proposed	No analysis or beneficiation study carried out.	
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting in Mineral benches proposed.	Drilling and Blasting in Mineral benches carried out.	Deep Hole Drilling Dia:- 165mm Depth: - 12m Spacing: - 4m Burden: - 3m Explosive used: - SME
3k	Provision of mining machineries in mineral benches	Deployment of HEMM proposed in mineral benches	HEMM deployed in mineral benches	Shovel (5.9 m ³) & Dumper (100 T) Combination
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 12 m	Bench Height- 12 m	Height of benches broadly maintained as proposed in mining plan.
3m	Total area covered under excavation/pits	110.52 ha	92.832 ha	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.0518 T/m ³	1: 0.0533 T/m ³	No significant change
3o	Total area put in use under different heads at the end of year	Pit: 110.52 ha Dump: 13.08 ha Infrastructure: 12.87 ha	Pit: 92.832 ha Dump: 6.84 ha Infrastructure: 18.890ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 8000000 tonnes 2020-21: 8000000 tonnes 2021-22: 12750000 tonnes 2022-23: 13500000 tonnes 2023-24: 12184061 tonnes	2019-20: 4823218 tonnes 2020-21: 4965635 tonnes 2021-22: 4525979 tonnes 2022-23: 7581611 tonnes 2023-24: 11682921.001 tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Open-cast mining method with Shovel-Dumper combination was carried out. Deep hole drilling and blasting were carried out in OB and Mineral Benches.		

4.0 SOLID WASTE MANAGEMENT-DUMPING

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumps for topsoil, waste, and mineral reject.	Separate dumps for topsoil, waste and mineral reject have been maintained.	<i>Top soil encountered has been utilized in concurrent plantation.</i>

4b	Location of topsoil, OB & mineral reject dumps	<p>OB Dump / Backfilling Waste Dumps utilised in FY'2023-24</p> <p><i>(Waste Dump)</i> N: 2447362 to 2447559 E: 343497 to 343881</p> <p><i>(Backfilling Area-1)</i> N: 2446422 to 2446797 E: 343929 to 344286</p> <p>Mineral Reject Dumps (Stacking in FY'2023-24) <i>(Mineral Reject-1)</i> N: 2446301 to 2446652 E: 343365 to 343810</p>	<p>OB Dump / Backfilling Waste Dumps utilised in FY'2023-24</p> <p><i>(Waste Dump)</i> N: 2447397 to 2447501 E: 343514 to 343628</p> <p><i>(Backfilling Area-1)</i> N: 2446431 to 2446786 E: 344018 to 344279</p> <p>Mineral Reject Dumps (Stacking in FY'2023-24) <i>(Mineral Reject-1)</i> N: 2446356 to 2446649 E: 343369 to 343801</p>	<p><i>Existing Waste Dumps- 2 Nos</i> Names of Waste dumps: Waste Dump, Backfilling Area-1</p> <p><i>Existing Mineral Reject Dumps- 1 nos.</i> Names of Mineral Reject dumps: Mineral Reject -1</p>
4c	Number of dumps within lease area and outside lease	<p>WITHIN LEASE AREA:</p> <p>Total no. of Waste/Backfilling Dumps -2 Nos.</p> <p>Waste Dumps utilised in FY'2023-24</p> <p><i>(Waste Dump)</i> N: 2447362 to 2447559 E: 343497 to 343881</p> <p><i>(Backfilling Area-1)</i> N: 2446422 to 2446797 E: 343929 to 344286</p> <p>Total no. of Mineral Reject Dumps -1 Nos.</p> <p>Mineral Reject Dumps (Stacking in FY'2023-24) <i>(Mineral Reject-1)</i> N: 2446301 to 2446652 E: 343365 to 343810</p> <p>NO DUMPS OUTSIDE LEASE AREA.</p>	<p>WITHIN LEASE AREA:</p> <p>Total no. of Waste/Backfilling Dumps- 2 Nos.</p> <p>Waste Dumps utilised in FY'2023-24</p> <p><i>(Waste Dump)</i> N: 2447397 to 2447501 E: 343514 to 343628</p> <p><i>(Backfilling Area-1)</i> N: 2446431 to 2446786 E: 344018 to 344279</p> <p>Total no. of Mineral Reject Dumps-1 Nos.</p> <p>Mineral Reject Dumps (Stacking in FY'2023-24) <i>(Mineral Reject-1)</i> N: 2446356 to 2446649 E: 343369 to 343801</p> <p>NO DUMPS OUTSIDE LEASE AREA.</p>	<p>Waste Dumps 1.Waste Dump, 2. Backfilling Area-1,</p> <p>Mineral Reject Dumps 3. Mineral Reject-1</p>
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	<p>WITHIN UPL</p> <p>Backfilling Dumps: 1 Nos. <i>(Backfilling Area-1)</i> N: 2446422 to 2446797 E: 343929 to 344286</p> <p>OUTSIDE UPL</p> <p>Waste Dumps: 1 Nos. <i>(Waste Dump)</i> N: 2447362 to 2447559 E: 343497 to 343881</p> <p>Mineral Reject Dumps: 1 Nos. <i>(Mineral Reject-1)</i> N: 2446301 to 2446652 E: 343365 to 343810</p>	<p>WITHIN UPL</p> <p>Backfilling Dumps: 1 Nos. <i>(Backfilling Area-1)</i> N: 2446431 to 2446786 E: 344018 to 344279</p> <p>OUTSIDE UPL</p> <p>Waste Dumps: 1 Nos. <i>(Waste Dump)</i> N: 2447397 to 2447501 E: 343514 to 343628</p> <p>Mineral Reject Dumps: 1 Nos. <i>(Mineral Reject-1)</i> N: 2446356 to 2446649 E: 343369 to 343801</p>	<p>Number of dumps within UPL: 1</p> <p>Names of Backfilling dumps within UPL 1. Backfilling Area-1</p> <p>Number of dumps outside UPL: 2</p> <p>Waste and Mineral Reject Dumps outside UPL: 2.Waste Dump 3. Mineral Reject-1</p>
4e	Number of active & alive dumps	<p>ACTIVE WASTE DUMPS-2 NOS.</p> <p><i>(Backfilling Area-1)</i> N: 2446422 to 2446797 E: 343929 to 344286</p> <p><i>(Waste Dump)</i> N: 2447362 to 2447559 E: 343497 to 343881</p> <p>ACTIVE MINERAL REJECT DUMPS -1 NOS.</p>	<p>ACTIVE WASTE DUMPS-2 NOS.</p> <p><i>(Backfilling Area-1)</i> N: 2446431 to 2446786 E: 344018 to 344279</p> <p><i>(Waste Dump)</i> N: 2447397 to 2447501 E: 343514 to 343628</p> <p>ACTIVE MINERAL REJECT DUMPS -1 NOS.</p>	

		(Mineral Reject-1) N: 2446301 to 2446652 E: 343365 to 343810	(Mineral Reject-1) N: 2446356 to 2446649 E: 343369 to 343801	
4f	Number of dead dumps	DEAD WASTE DUMP-0 NOS.	DEAD WASTE DUMP-0 NOS.	
4g	Number of dumps stabilised	Stabilization of Waste Dump-1 Nos. (Waste Dump) N: 2447362 to 2447559 E: 343497 to 343881	Stabilization of Waste Dump-1 Nos. (Waste Dump) N: 2447397 to 2447501 E: 343514 to 343628	Waste Dump has been partially stabilized.
4h	Whether Retaining wall or garland drain all along dumps	Retaining wall and garland drain proposed all along dumps	Retaining wall and garland drain maintained all along dumps	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall: 554 m Garland drain: 554 m	Retaining wall: 601 m Waste Dump – 391 m Crushing & Screening Plant – 210 m Garland drain: 601 m Waste Dump – 391 m Crushing & Screening Plant – 210 m	Areas covered: Waste Dump, Crushing and Screening Plant
4j	Number of settling ponds	No Proposal	Not made	
4k	Specific comments of inspecting officer	Overburden, mineral and mineral reject management is broadly as per proposal are being carried out as per the approved proposals.		

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 starting backfilling	Proposed full extraction of mineral from mined out area before starting backfilling OB Dump (Backfilling Area-1) N: 2446422 to 2446797 E: 343929 to 344286	Full extraction of mineral from mined out area done before starting backfilling. OB Dump (Backfilling Area-1) N: 2446431 to 2446786 E: 344018 to 344279	
5b	Area under backfilling of mined out area	2.85 ha	2.9 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Concurrent use proposed	Concurrently utilized	Topsoil encountered is utilised in concurrent plantation.
5d	Total area fully reclaimed & rehabilitated	No proposal	Not done	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling as envisaged is being carried out.		

6.0 PROGRESSIVE MINE CLOSURE PLAN

SN	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.	To be submitted by 30 th June	Yes, submitted along with Annual Return on 28 th June 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	Void in Pit 1 to be concurrently backfilled. i) Area available for rehabilitation: 0 ii) Afforestation: NA iii) No. of saplings to be planted: 0 iv) Cumulative no. of plants: NA v) Any other specific method: NA vi) Cost incurred on watch and care: NA	Void in Pit 1 being concurrently backfilled. i) Area available for rehabilitation: 0 ii) Afforestation: NA iii) No. of saplings to be planted: 0 iv) Cumulative no. of plants: NA v) Any other specific method: NA vi) Cost incurred on watch and care: NA	

SN	Item	Proposals	Actual work	Remarks
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) Voids available for backfilling: Waste Dump#2: 120* 75*45 ii) Void filled by waste/tailings: Waste Dump #2: 2.85 ha iii) Afforestation on the backfilled area = NA iv) Rehabilitation by making water reservoir: NA v) Any other specific means: NA Total Backfilling area: 2.85 ha Backfilling volume: 0.4 Mm³	i) Voids utilised for backfilling: Waste Dump#2: 124* 72*44 ii) Void filled by waste/tailings: Waste Dump #2: 2.9 ha iii) Afforestation on the backfilled area = NA iv) Rehabilitation by making water reservoir: NA v) Any other specific means: NA Total Backfilling area: 2.9 ha Backfilling volume: 0.395 Mm³	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Afforestation: 2000 nos. ii) Area rehabilitated (ha): 1 ha iii) Method of rehabilitation: Plantation	i) Afforestation: 3445 nos. ii) Area rehabilitated (ha): 1.06 ha iii) Method of rehabilitation: Plantation	
6e	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring in Core zone and buffer zone proposed as per MOEFCC and SPCB guidelines.	Monitoring of Noise, Water etc done.	Env. parameters were observed to be within the permissible limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive	The PMCP proposals are being broadly carried as per proposals.		

7.0 MINERAL CONSERVATION

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	-	CLO: Fe: 62-65% - 2,72,993.850 T Fines: Fe: 62-65%- 16,93,510.114 T ROM to Noamundi: 9402955.632 T	Quantity dispatched
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Applicable. No grade wise sorting is proposed. Size-wise mechanical sorting proposed.	Not Applicable. No grade wise sorting is being done. Size-wise mechanical sorting is being done.	Exemption for grade wise stacking and sampling
7c	Different grade of mineral sorted out at mines	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	4 MTPA Crushing and Screening Plant	4 MTPA Crushing and Screening Plant	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	4 MTPA Crushing and Screening Plant is in operation .		

8.0 ENVIRONMENT

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	<i>Topsoil encountered was stacked separately and utilised in concurrent plantation.</i>
8b	Concurrent use or storage of topsoil	Concurrent use & Storage Proposed	Concurrent usage of topsoil for plantation within mines	
8c	Separate dumps for overburden, waste rock, reject and fines (Rule 33)	Separate dumps proposed for OB/Waste dumps – Waste Dump and Backfilling Area-1, and for mineral reject - Mineral Reject-1	Separate dumps proposed for OB/Waste dumps – Waste Dump and Backfilling Area-1, and for mineral reject - Mineral Reject-1	
8d	Use of overburden, waste rock, reject and fines dumps for restoring the land to its original use	OB/Backfilling Dump (Backfilling Area-1) N: 2446422 to 2446797 E: 343929 to 344286	OB/Backfilling Dump (Backfilling Area-1) N: 2446431 to 2446786 E: 344018 to 344279	<i>In FY'2023-24, OB/Waste generated was proposed to be dumped in Backfilling Area -1 and Waste Dump.</i> <i>0.395 Mm³ of waste/OB was used for backfilling over an area of 2.9 ha.</i>

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Plantation proposed over an area of 1 ha via 2000 nos. of saplings.	Plantation achieved over an area of 1.06 ha via 3445 nos. of saplings.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Area proposed for plantation: 1 ha No. of saplings to be planted: 2000	Previous Area under plantation: 13.03 ha Previous No. of plants within the lease area: 56059 Area under plantation (FY'24): 1.06 ha No. of saplings planted: 3445 Cumulative area under plantation: 14.09 ha Cumulative no. of plants within the lease: 59504	
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Mobile water tankers and fixed water sprinklers used to control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines.	The lessee has carried out substantial plantation. Regular water sprinkling and fixed sprinklers help in minimizing the dust suspension in air. These efforts have helped in maintaining the aesthetic beauty in and around the mine.		

9.0 COMPLIANCE OF RULE 45

SN	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted up to : November 2024 Annual Return submitted for FY 2023-2024		
SN	Item	Details given in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Ajay Kumar Goyal Geologist: Mr. Mithun Mukherjee Manager: Mr. Ajay Kumar Goyal	Mining Engineer: Mr. Ajay Kumar Goyal Geologist: Mr. Mithun Mukherjee Manager: Mr. Ajay Kumar Goyal	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 92.832 ha Dump: 6.84 ha Infrastructure: 18.890ha	Appears to be correct	
9d	Scrutiny of Annual return on afforestation	WML: 3745 Nos.	Appears to be correct	3445:WML 300:OML
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	511225 T Fe% = 56.35	Appears to be correct	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Fines: (i) 62% to below 65% Fe-494571.289 tonnes CLO: 62% to below 65% Fe (10-40 mm size CLO)	Appears to be correct	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price: ₹ 1687.96	Ex-mine price: ₹ 1687.96	
9i	Scrutiny of Annual return on fixed assets	₹ 721392942	Appears to be correct	
9k	Scrutiny of Annual return on mining machineries	1. Shovel- 4 2. Dumper- 14 3. Rock Drill- 3 4. Loader -1 5. Dozer-2 6. Grader-1 7. Water Tanker-2	Observed to be correct	

(विक्रम देशपांडे)
सहायक खान नियंत्रक