

MCDR INSPECTION REPORT

General

S.	Particulars	Details
N.		
1	Name of Inspecting officer:	Sanjay Kumar Mahapatra, Assistant Controller of Mines
2	Accompanying mine official with designation	Shri Vimal Lunia, Mine Representative
3	Date of Inspection	27.09.2024
4	Date of Previous Inspection	04.02.2024
5	Date of Previous Inspecting officer	Shri Deepak Chinchkhade, ACOM
6	Name of the Mine	Bade Bacheli Tin Ore Mine
7	Total Lease Area (Ha) with breakup of Non-forest and forest land	17.087 Ha.
8	Minecode	60CHG03003
9	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9859/2012
10	Name of the lessee, Address, phone, email and fax number	Precious Minerals & Smelting Limited semi urban industrial estate frezerpur Jagdalpur ph. 07782-227129,227130 email:- pmsl10@rediffmail.com pmasl1996@gmail.com
11	Village	Bade Bacheli
12	Taluka/Mandal	Bade Bacheli
13	District	Dantewada
14	Pin code	494553
15	State	Chhattisgarh
16	Post office	Bacheli
17	Nearest police station	Bacheli
18	Nearest Railway station	Bacheli
19	Date of Grant of Mining Lease	30/09/2003 (30/09/2003 To 29.09.2023) Under provision of Section 8A of MMDR Act, 2015 lease period is valid for 50 years i.e upto 29/09/2053
20	Date of Execution	30/09/2003
21	Date of opening of Mine	19/04/2007
22	Date of first Renewal, if applicable and its period & expiry	25/05/2023
23	Date of second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nirmal Lunia Indira ward Semi urban industrial estate masjid road Jagdalpur ,frezerpur jagdalpur ph. 07782- 227129, 227130 email- pmsl10@rediffmail.com pmasl1996@gmail.com
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Nirmal Lunia, Director Semi urban industrial estate frezerpur jagdalpur ph. 07782-

27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	227129, 227130 email- pmsl10@rediffmail.com pmasl1996@gmail.com U.D. Banjare Semi urban industrial estate frezerpur jagdalpur ph. 07782-227129, 227130
28	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	email- pmsl10@rediffmail.com U.D. Banjare B.E Mining 5 Years experience Semi urban industrial estate frezerpur jagdalpur ph. 07782-227129, 227130
29	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	email- pmsl10@rediffmail.com K.V Krishana Rao Msc Geology 5 Years experience Semi urban industrial estate frezerpur jagdalpur ph. 07782-227129, 227130
30	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	email- pmsl10@rediffmail.com Yes
31	Date of Approval of Mining Plan/ Modified Mining Plan with five-year period and specific condition in approval letter, if any.	DNT/TIN/MPLN-796/NGP 10/10/2002 dated 10.10.2002
32	Date of Approval of Scheme of Mining/Modified Scheme/ Review of Mining Plan of Mining with five-year period and specific condition in approval letter, if any.	Latter No. RPR/DANTEWADA/TIN/143 4/RMP/20224-25 dated 02.07.2024
33	Mineral(s) granted in lease and proved for mining	Tin Ore
34	Method of Mining(Open cast, Underground)	Open cast
35	Category (Fully Mechanised, Others or Manual)	Manual
36	Captive/Non Captive	Captive
37	Present EC Status	EC capacity 1500TPA
38	Status of Financial Assurance	Rs 22,45,000/- Valid upto 31/03/2028

Exploration

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	Not Proposed	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	14.6270 Ha.	N.A.	
1e	Balance reserves as per latest approved document	113.32 ton	113.32 ton	Remaining Resource: 12.18tonne

1f	General remarks of inspecting officer on geology, exploration etc.	Mine is not working since 01.04.2023 due to LWE problem. Nil production reported during the year 2023-24. On the day of inspection, it was observed that the mine was not working since long. Total resources 125.50 tonne
----	--	--

Development

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	Nil	Nil	There is Nil proposal for the year 2023-24.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in OB and Ore	Separate benches in OB and Ore	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	Mine is not working since 01.04.2023 due to LWE problem and no approved Mining plan proposal for the year 2023-24. And Nil production reported during the year 2023-24. On the day of inspection, it was observed that the mine was not working since long. There is Nil proposal for the year 2023-24.		

EXPLOITATION

S/No.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	Nil	N.A.	
3b	Quantity of ROM mineral production proposed	Nil	Nil	
3c	Recovery of salable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil.	N.A.	
3j	Provision of drilling & blasting in mineral benches	No Blasting	No Blasting	
3k	Provision of mining	Nil	Nil	

	machineries in mineral benches			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	Nil	
3m	Total area covered under excavation/pits	4.49 Ha up to end of RMP period 2027-28	Nil	As no proposal for 2023-24 and mine was non-working.
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	
3o	Total area put in use under different heads at the end of year	4.49 Ha up to end of RMP period 2027-28	Nil	As no proposal for 2023-24 and mine was non-working.
3p	Production of ROM mineral during last Five-year period, as applicable			
	2019-20	11.25.	2737.200 Kgs.	
	2020-21	11.25.	1671.300 Kgs.	
	2021-22	11.25.	738.150 Kgs.	
	2022-23	11.25.	107.090 Kgs.	
	2023-24	Nil	Nil	
3q	General remarks of inspecting officer on method of	Mine is not working since 01.04.2023 due to LWE problem and no approved Mining plan proposal for the year 2023-24. And Nil production reported during the year 2023-24. There is Nil proposal for the year 2023-24. On the day of inspection, it was observed that the mine was not working since long.		

Solid Waste Management-Dumping

Sl.N	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	Nil	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside lease area	Within Lease area 5 nos. dump	Nil	
4d	Location of dumps w.r.t. ultimate pit limit	E.527400 E to 527500m E N 2065800N to 2065900N	Nil	
4e	Number of active & alive dumps	1	Nil	
4f	Number of dead dumps	04	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	

4k	Specific comments of inspecting officer on waste dump management	Mine is not working since 01.04.2023 due to LWE problem and no approved Mining plan proposal for the year 2023-24. And Nil production reported during the year 2023-24. There is Nil proposal for the year 2023-24. On the day of inspection, it was observed that the mine was not working since long.
----	--	---

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	N.A.	
5b	Area under backfilling of mined out area	Nil	N.A.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	N.A.	
5d	Total area fully reclaimed & rehabilitated	Nil	N.A.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is Nil proposal for the year 2023-24. Further, mineral has not been exhausted fully & thus proposal for backfilling does not arise.		

Progressive Mine Closure Plan

Sl oN	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).	Yes	Yes	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (ha)	N.A.	N.A.	
	ii) Afforestation done (ha)	N.A.	0.030Ha.	
	iii) No. of saplings planted during the year	N.A.	150 No. of saplings planted during year.	
	iv) Cumulative no. of plants	N.A.	410 cummulative	
	v) Any other specific method of rehabilitation	Not specified	N.A.	
	vi) Cost incurred on watch & care during the year		About Rs 7500/- Cost incurred on watch & care during the year	
6c	Compliance on reclamation and rehabilitation by backfilling			Area is not matured for reclamation and rehabilitation.
	i) Voids available for backfilling (L X B X D)	N.A.	N.A.	
	ii) Void filled by waste/tailings			
	iii) Afforestation on the backfilled area			

	iv) Rehabilitation by making water reservoir		
	v) Any other specific means		
6d	Compliance of Rehabilitation of waste land within lease		
	i) Afforestation	NIL	Nil
	ii) Area rehabilitated (ha)		
	iii) Method of rehabilitation		
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Mine is not working since 01.04.2023 due to LWE problem. Temp discontinuation notice submitted. Mine discontinued from 01.04.2023. There is Nil proposal for the year 2023-24. On the day of inspection, it was observed that the mine was not working	

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	NIL	Nil	Manually panning/washing method is adopted to recovery of Tin mineral.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	N.A.	N.A.	
7c	Different grade of mineral sorted out at mines	N.A.	N.A.	
7d	Any beneficiation process at mines	No	N.A.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine is not working since 01.04.2023 due to LWE problem. Temp discontinuation notice submitted. There is Nil proposal for the year 2023-24. On the day of inspection, it was observed that the mine was not working		

Environment

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	Nil	Nil	
8b	Concurrent use or storage of topsoil	YES	Nil	Concurrent utilization of topsoil in plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land	Nil	Nil	

	to its original use		
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	150 nos of plantation in 0.030 hect	150 nos of plantation in 0.030 hect
8h	Water sprinkling on roads to control airborne dust	Yes	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mine is not working since 01.04.2023 due to LWE problem. Temp discontinuation notice submitted.	

Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks	
9a	Status of submission of Monthly and Annual returns	M.R. Submitted A.R. Submitted up to F.Y. 2023-24		
S.N.	Item	Details given in A.R. for the year 2022-23/ 2023-24	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	U.D. Banjare (Mining Engineer)& Manager K.V. Krishna Rao (Geologist)	Not present during inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O-C working - 2.026 ha Waste Disposal- 0.93 Ha Occupied by plant, buildings, residential, welfare buildings and roads= 0.353 ha	As per AR	
9d	Scrutiny of Annual return on afforestation	150 nos. 0.030 ha.	As per AR	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil.	As per AR	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	49 tonne	As per AR	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil production	
9i	Scrutiny of Annual return on fixed assets	Nil	As per AR	
9k	Scrutiny of Annual return	Pump (Elect)	As per AR	

on mining machineries

10. Drone Survey Information and data thereof:- Drone Survey could not be covered due to permission not given by competent authority. For Non- submission of Satellite Imagery violation of Rule 34A read with Rule 11(1) & 62 was issued on 18.10.2024.

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

(i) No violation observed during previous inspection.

(ii) Violation of Rule 34A read with Rule 11(1) & 62 of MCDR, 2017 are pointed out after current inspection. Violation letter issued on 18.10.2024.

12. MIDPASS upload: Not Carried

As there is no drone data or Satellite imagery no entry in MIDPASS is made.

(संजय कुमार महापात्र)
सहायक खान नियंत्रक
भारतीय खान ब्यूरो