

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
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	28.09.2024
4	Date of Previous Inspection	03.02.2024
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	36.067 Ha. (Non forest) Forest- Nil
8	Minecode	60CHG03004
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
20	Date of Execution	30/09/2003
21	Date of opening of Mine	25/06/2007
22	Date of first Renewal, if applicable and its period & expiry	Expiry on 25/05/2023
23	Date of second Renewal, if applicable and its period & expiry	Expiry on 25/05/2053 as per 8A(3)of MMDR Act 2015.
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Nirmal Lunia Indira ward masjid road Jagdalpur, Chhattisgarh
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri U.D. Banjare B.E Mining Bade Bacheli, Dantewada, Chhattisgarh
28	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri U.D. Banjare B.E Mining Bade Bacheli, Dantewada, Chhattisgarh
29	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	K.V Krishana Rao Msc Geology Bade Bacheli, Dantewada,

		Chhattisgarh
30	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes
31	Date of Approval of Mining Plan/ Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Latter No. 1069/2017-RYP/915 dt. 13/02/2017
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. 1422/RMP/2023-24 dt. 28/03/2024
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 granted for 1500 tone per Annum valid up to 29.09.2053
38	Status of Financial Assurance	Rs 12,00,000/- valid till 31.03.2028

Exploration

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	16	Nil	Temp discontinuation notice submitted. Mine discontinued from 01.04.2023.
1b	Exploration over lease area for Geological axis 1 or 2.	G1 level 16 nos. of boreholes proposed in year 2023-24	Nil.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not specified Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	7.14 Ha.in G2 level	Nil	
1e	Balance reserves as per latest approved document	1708.99 ton	1708.99 ton	
1f	General remarks of inspecting officer on geology, exploration 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. Review of Mining Plan was approved on 28.03.2024.		

Development

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	E.527600E to 527700 E N 2068500 N to 2068600 N	Nil	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	N.A.	Nil	
2c	Stripping ratio or ore to OB ratio	1:986.6	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. Review of Mining Plan approved on 28.03.2024 for the year 2023-24 to 2027-28.		

EXPLOITATION

Sl No.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	01	Nil	Mine is not working since 01.04.2023 due to LWE problem .
3b	Quantity of ROM mineral production proposed	2250 tonne	Nil	
3c	Recovery of salable/usable mineral from ROM production	11.25tonne	Nil	
3d	Quantity of mineral reject generation	112.5 tonne.	Nil.	
3e	Grade of mineral reject generation and threshold value declared	N.A.	Nil	
3f	Quantity of sub-grade mineral generation	N.A.	Nil	
3g	Grade of sub-grade mineral generation	N.A.	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual & Machanised	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N.A.	Nil	
3j	Provision of drilling & blasting in mineral benches	No Blasting	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB 1 mtr Mineral 3 mtr	OB 1 mtr Mineral 3 mtr	

3m	Total area covered under excavation/pits	5.77 Ha up to end of RMP period 2027-28	Excavation carried out within the proposed area
3n	Ore to OB ratio for the pit/mine during the year	1:986.6	Nil
3o	Total area put in use under different heads at the end of year	5.77 Ha up to end of RMP period 2027-28	Excavation carried out within the proposed area
3p	Production of ROM mineral during last Five-year period, as applicable		
	2019-20	11.25 Ton	779.200 Kgs.
	2020-21	11.25 Ton	993.700 Kgs.
	2021-22	11.25 Ton	248.400 Kgs.
	2022-23	11.25 Ton	113.910 Kgs.
	2023-24	11.25 tonne	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. Temp discontinuation notice submitted. Mine discontinued from 01.04.2023.	

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)	N.A.	N.A.	
4b	Location of topsoil, OB & mineral reject dumps	N.A.	N.A.	
4c	Number of dumps within lease area and outside lease area	Within Lease area 3 nos.	Within Lease area 3 nos.	
4d	Location of dumps w.r.t. ultimate pit limit	E.527700 E to 527800 E N 2068500 N to 2068600N	Within the proposed area	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	02	02	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	200 meters	Nil	Temp discontinuation notice submitted. Mine discontinued from 01.04.2023
4i	Length of Retaining wall or garland drain all along dump	200 meters	Nil	
4j	Number of settling ponds	No proposal	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. 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	N.A.	N.A.	
5b	Area under backfilling of mined out area	N.A.	N.A.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	N.A.	N.A.	
5d	Total area fully reclaimed & rehabilitated	N.A.	N.A.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mineral has not been exhausted fully & thus no proposal given for backfilling		

Progressive Mine Closure Plan

Sl No	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)	Nil	Nil.	
	iii) No. of saplings planted during the year	Nil	150	
	iv) Cumulative no. of plants		340	
	v) Any other specific method of rehabilitation	N.A.	N.A.	
	vi) Cost incurred on watch & care during the year	Not specified	NA	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L X B X D)	No proposal	Nil	
	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			
	ii) Area rehabilitated (ha)	No proposal	Nil	
	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer	Yes	Nil	Mine is not working since

	zone)		01.04.2023 due to LWE problem
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	

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	Crushing	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	N.A.	Nil	
7c	Different grade of mineral sorted out at mines	N.A.	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
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.

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	Green belt development	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	N.A.	N.A.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional Plantation done	Not specified	Planted during the year 150.Cumulative 340 Nos.	
8g	Survival	Not specified	30%	
8h	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.

Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto August 2024 A.R. Submitted upto F.Y. 2023-24	
S.N.	Item	Details given in A.R. for the year 2022-23/ 2023-24	Observation of I/Officer
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 -07 ha Waste Disposal- 0.405 Ha Occupied by plant, buildings, residential, welfare buildings and roads= 0.84 ha	As per AR
9d	Scrutiny of Annual return on afforestation	150 nos planted during the year 2023-24	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	As per AR Mine was not working during the year 2023-24.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	As per AR
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	As per AR
9i	Scrutiny of Annual return on fixed assets	Nil	
9k	Scrutiny of Annual return on mining machineries	Crusher & Pump	As per AR

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)
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