

MCDR INSPECTION REPORT

1.0 GENERAL

Sl.N	PARTICULARS	DETAILS
1	File No.	CHG/DNT/TIN-2/ Raipur
2	Name & Designation of the inspecting officer	Shri D.Dash Senior Mining Geologist
3	Date of Inspection	11.05.2022
4	Date of Last Inspection & Officer	17.03.2020, Shri S. Kartikeya, Junior Mining Geologist
5	Accompanying mine personnel	Shri Vimal Lunia, Mine Owner
6	Name of the Mine	Bade bacheli Tin Ore Mine
7	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total lease area: 5.314 ha, Forest land – Nil (, Non Forest- 5.314 ha
8	Mine code	60CHG03002
9	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9859/2012
10	Name of the lessee, Address, phone, email and fax number	M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O.- Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh Phone: 07782-228555/227247 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com
	Village	Bade Bacheli
	Taluka/Mandal	Bade Bacheli
	District	Dantewada
	Pincode	494553
	State	Chhattisgarh
	Post office	Bacheli
11	Nearest police station	Bacheli
12	Nearest Railway station	Bacheli
13	Date of Grant of Mining Lease	30.09.2003
14	Date of Execution	30.09.2003
15	Date of opening of Mine	03.07.2005
16	Weekly day of rest	Wednesday
17	Date of first Renewal, if applicable and its period & expiry	Supplementary lease deed for extension under Section 8A of MMDR Amendment Act, 2015 has not been made.
18	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Vimal Luniya (Director) M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O.- Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh
19	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None

20	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri U.D.Banjare, B.E. in Mining Experience: +5 years M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O.- Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh, date of appointment: 21.02.2018
21	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. in Mining Experience: +5 years M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O.- Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh, date of appointment: 21.02.2018
22	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri K.V. Krishna Rao, Qualification: M.Sc, (Geology) Experience : +6 years M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O.- Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh, date of appointment: 21.02.2018
23	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan was approved by IBM vide letter no. DNT/Tin/MPLN-795/NGP dated 10.10.2002 for 2003-04 to 2007-08. Modified Mining Plan has been approved vide letter no. DNT/TIN/MLN-1141/2017-RPR dated 04.04.2018 for the period 2016-17 to 2019-20
24	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 for document and proposal period 2018-19 to 2022-23 approved by IBM vide letter No DNT/TIN/MLN-1141/2017-RPR dated 04.04.2018.
25	Mineral(s) granted in lease and proved for mining	Tin
26	Method of Mining (Opencast, Underground)	Opencast
27	Category (Fully Mechanized, Others or Manual)	Category 'B' Manual
28	Captive/Non-Captive	Captive
29	EC for ROM Prod: Date of Issue:	Not obtained, under process
30	FA amount Rs Valid up to:	The lessee has submitted Financial Assurance of Rs. 1,00,00,000/- by way of bank Guarantee No 1227710BG000031 dated 29.03.2010 and renewed till 27.03.2021 and further extended up to

		31.03.2023 dated 22.03.2018 valid up to 31.03.2023. Rs 4,00,000 vide BG No. 1227718BG0000023 dated 02.02.2018 and renewed till 01.02.2023 and further extended up to 31.03.2023 dated 22.03.2018.
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Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 EXPLORATION

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
1a	Backlog of previous year	2020-21- Nil	2020-21: Nil	During 2018-19 to 2019-20, borehole drilling of 04 numbers were proposed, which was observed during the previous inspection. The violation is not pointed out, since the mine not working due lack of EC.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specific	G1- 13.67 Ha G2- 0.82 Ha	
1e	Balance reserves as 01.04. 2021 (million tonnes)	111: 14.172 122: 7.613 211: 3.710 222: 5.815 333: 4.472 334: 49.862	111: 15.572 122: 7.613 211: 3.710 222: 5.815 333: 4.472 334: 49.862	
1f	General remarks of inspecting officer on geology, exploration etc.	As per approved Mining Plan, prospecting operations was carried out by DGM, and CMDC on regional scale. 3 to 4 old workings were found near present working pit. 03 vertical core drill holes were drilled prior to previous approval of the Mining Plan. In the process about 132m of strike length and 5m width has been proved. During 2018-19 to 2019-20, borehole drilling of 04 numbers were proposed, which was observed during the previous inspection. The violation is not pointed out, since the mine not working due lack of EC.		

2.0 DEVELOPMENT

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
2a	Location of development w.r.t. lease area	In between local co-ordinates S100 to N100	Nil	The mine is temporarily discontinued since February, 2018 due lack of environmental clearance.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil- 01 Ore- 02	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:749	Nil	-do-
2d	Quantity of topsoil generation in Tonnes	2020-21: 75cum	NIL	-do-
2e	Quantity of overburden generation in m ³	2020-21: 374.5 cum	Nil	-do-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is temporarily discontinued since February, 2018 due lack of environmental clearance. No mining operations have been carried out during 2020-21.		

3.0 EXPLOITATION

S.N.	ITEM	PROPOSAL (2020-21)	ACTUAL WORK (2020-21)	REMARK
3a	Number of pits proposed for production	01	Nil	The mine is temporarily discontinued since February, 2018 due lack of environmental clearance.
3b	Quantity of mineral production proposed	2020-21: . 1.5 tonnes 2021-22: 1.5 tonnes	2020-21: Nil 2021-22: Nil	The mine is temporarily discontinued since February, 2018 due lack of environmental clearance.
3c	Recovery of saleable/usable mineral from production	2020-21: . 1.5 tonnes 2021-22: 1.5 tonnes	2020-21: Nil 2021-22: Nil	Same as above.

3d	Quantity of mineral reject generation	2020-21- NIL 2021-22 :- Nil	2020-21:- 0.00 Tons 2021-22:- 0.00 Tons	Same as above.
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	No generation
3f	Quantity of sub-grade mineral generation	2020-21: Nil 2021-22: Nil	2020-21:- 0.00 Tons 2021-22:- Nil	Reason same as above.
3g	Grade of sub-grade mineral generation	As per approved document no sub-grade ore is envisaged.	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual .	Bench development and ore segregation manually.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	As per approved document the beneficiation study has not been proposed	Not Proposed	No processing ore at mine site proposed other than manual hand sizing and hand sorting.
3j	Provision of drilling & blasting in mineral benches	As per approved document no provision of drilling & blasting is mentioned.	No drilling and blasting done.	Blasting in LWE area is also a security risk.
3k	Provision of mining machineries in mineral benches	Tractor- 02 nos	Nil	Mine is non-working. Due to lack of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Top soil- 01m Mineral- 02m	Maintained as proposed.	-do-
3m	Total area covered under excavation/pits	0.390 Ha for the plan period	0.353	-do-
3n	Ore to OB ratio for the pit/mine during the year	1:749	Nil	-do-
3o	Total area put in use under different heads at the end of year	Pit- 0.390 Ha for the plan period , top soil: 0.607 ha Waste/reject-0.109 Ha Others-15.34 Ha	Pit- 0.353 ha top soil: 0.587 ha,	-do-
3p	Production of mineral during last Three -year period, as applicable (tones)	2018-19:1.5 T	0.00 T	-do-
		2019-20- 1.5T	0.00 T	
		2020-21- 1.5 T	0.00 T	
3q	General remarks of inspecting officer on method of mining etc.	The mine is temporarily discontinued since February, 2018 due lack of environmental clearance.		

4.0 SOLID WASTE MANAGEMENT-DUMPING

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping of waste proposed	Nil	The mine is temporarily discontinued since February, 2018 due lack of environmental clearance. -do-
b	Location of topsoil, OB & mineral reject dumps	Top soil-between local co-ordinates S100 to S200 Mineral reject-NIL Waste dump : between local co-ordinates S100 to S200	Nil	
4c	Number of dumps within lease area and outside lease area	05 number of dump within lease area.	One number of dump within lease area. No waste dumping during the year.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out Side the Ultimate pit limit	Out Side the Ultimate pit limit	
4e	Number of active & alive dumps	02	01	
4f	Number of dead dumps	03	Not Applicable	
4g	Number of dumps stabilized	NIL	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Construction of Garland drain and siltation ponds have been proposed	Not done	
4i	Length of Retaining wall or garland drain all along dump	Not mentioned in the approved document.	Nil	
4j	Number of settling ponds	01	Nil.	
4k	Specific comments of inspecting officer	The mine is temporarily discontinued since February, 2018 due to lack of environmental clearance. No work has been carried out during the period.		

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed in approved document	NA	No area is mined out.
5b	Area under backfilling of mined out area	Not proposed in approved document	NA	Reason as above.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed in approved document	2020-21- NIL	No area is mined out.
5d	Total area fully reclaimed & rehabilitated	Not proposed in approved document	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining operations in the area is in incumbent stage. No area is mined out . Thus, there is no scope of backfilling or rehabilitation at present.		

6.0 PROGRESSIVE MINE CLOSURE PLAN

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	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.	As per 26(2) of MCDR 2017 the annual report has to be submitted	not Submitted.	Mine is non-working since 2018 due to lack EC, thus no violation is pointed out.
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	As per approved document rehabilitation is not proposed for the year .	NIL	No area is matured for rehabilitation.

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	As per approved document reclamation and rehabilitation is not proposed for the year .	0.00	Reason as above.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2020-21: 150 nos Area: 0.03 ha plantation	Nil	Mine is non-working since 2018. .
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for Compliance of Environmental monitoring in core and buffer zone	Nil	-do-
6f	General remarks of inspecting officer on PMCP compliance & progressive	No area is matured for rehabilitation. Mine is non-working since 2018 due to lack of EC.		

7.0 MINERAL CONSERVATION

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal given for manual sorting of run of mine ore prior to sending it to captive plant.	Nil	No mining operations during the year since the mine is non-working since 2018 due to lack EC.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Manual	Nil	
7d	Any beneficiation process at mines	No processing of ore other than manual	Nil	

		sorting and sizing proposed.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No work carried out during the period due reason as cited above.	

8.0 ENVIRONMENT

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
8a	Separate removal and utilization of topsoil (Rule 32)	2020-21 As per approved document the Top soil of 75 cum generations is envisaged	Nil	No mining operations during the year since the mine is non-working since 20187 due to lack EC. .
8b	Concurrent use or storage of topsoil	proposed.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	As per approved document the separate storage of top soil and waste dump have been proposed in the area between local co-ordinates S100 and S200.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed for this year	Not Required.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed in Safety zone area of 0.052Ha and 150 saplings	150 saplings	
8g	Survival rate	Not specific.	Not applicable	

8h	Water sprinkling on roads to control airborne dust	Yes proposed.	Not done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The mine is non-working since 2018. So, aesthetic beauty of the area is mostly undisturbed.		

9.0 COMPLIANCE OF RULE 45

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	2020-21 Mining Engineer -1 Geologist-- 1	Part time Mining Engineer and Geologist have been appointed.	Information is correct.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	2020-21 (i) Already exploited & abandoned by opencast (O/C) mining 0.00 (ii) Covered under current (O/C) Workings 0.605 ha (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 0.560 ha (v) Occupied by plant, buildings, residential, welfare buildings & roads 6.090 (vi) Other Purpose (Mineral storage, subgrade storage, internal road, mineral separation plant, garland drain) 0.000 (vii) Work done under progressive mine closure plan during the year 0.000	Information of area covered under current working, and waste dump are incorrect.	Violation of Rule 45(c) of MCDR, 2017 is pointed out for incorrect information on land use and fixed assets.
9d	Scrutiny of Annual return on afforestation	150 saplings	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	As per Annual Return total Mineral rejection is NIL	Appears to be correct.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per Annual Return for the year 2020-21 the ROM opening stock – 9 kg, dispatch: 8.7 kg, for captive consumption	Appears to be correct.	

		closing stock- nil		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	As per Annual return 2020-21 the value is zero as run of mine is fed to lessee captive smelter.	Appears to be correct.	No production during the year.
9i	Scrutiny of Annual return on fixed assets	As per annual Return 2020-21 the total fixed assets is zero	Appears to be incorrect since the lease area is in private land	
9k	Scrutiny of Annual return on mining machineries	OTHERS (NON-ELEC.)- 01	Appears to be correct.	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का ब्यौरा
45(5)(c)	In annual return for financial year 2020-21 following discrepancies are observed; i. At Part I : land use information is furnished incorrectly. ii. At part-II A : (Capital Structure), fixed assets at the end of the year is furnished incorrectly.

During the previous inspection on dated 17.03.2020, violations of Rule 26(2), 28(1) and 46 of MCDR, 2017 were pointed out. All violations have been complied.

Date:

(D.Dash)

Senior Mining Geologist