MCDR INSPECTION REPORT

1.0 GENERAL

File No. CHG/DNI/TIN-4/60CHG03004	Sl.N	PARTICULARS	DETAILS	
Senior Mining Geologist	1	File No.	CHG/DNT/TIN-4/60CHG03004	
Date of Inspection 26.08.2021 (MCDR)	2	Name & Designation of the inspecting officer	Shri D.Dash,	
Accompanying mine personnel Shri. Vimal Luniya (Director)			Senior Mining Geologist	
Date of Last Inspection & Officer District Dantewada	3	Date of Inspection	2608.2021 (MCDR)	
Mining Geologist	4	Accompanying mine personnel	Shri. Vimal Luniya (Director)	
6 Name of the Mine 7 Total Lease Area (Ha) with breakup of Non-forest and forest land 8 Mine code 8 Mine code 9 IBM Registration Number under rule 45 of MCDR, 2017 10 Name of the lessee, Address, phone, email and fax number Village Taluka/Mandal District Pincode Pincode Post office Nearest Railway station Nearest Railway station Nearest Railway station Nearest Railway station Date of Grant of Mining Lease Nearest Roilway station Date of Second Renewal, if applicable and its period & expiry Date of Second Renewal, if applicable and its period & expiry Date of Submission of renewal application if Non-forest Land: Nil. Non-forest Land: A6.067 Ha Total land: 36.067 The post of Ham Total land: 36.067 Ha Total land: 36.067 The post of Ham Total land: 36.067 The post of Ha	5	Date of Last Inspection & Officer	05/11/2019, Shri Rudra Narayan, Senior	
Total Lease Area (Ha) with breakup of Non-forest and forest land Total land: 36.067 Ha Total land: 40.01 Ha Total l			Mining Geologist	
and forest land	6	Name of the Mine	Bade Bacheli Tin Ore Mine	
Total land: 36.067 Ha	7	Total Lease Area (Ha) with breakup of Non-forest	Forest Land: Nil.	
Mine code GOCHG03004		and forest land	Non-forest land: 36.067 Ha	
BM Registration Number under rule 45 of MCDR, 2017 BM/9859/2011			Total land: 36.067 Ha	
MCDR, 2017 Name of the lessee, Address, phone, email and fax number Name of the lessee, Address, phone, email and fax number No Jagdalpur, Distt- Bastar Pin code-494001, Chlattisgarh Phone: 07782-228555 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com Village Taluka/Mandal District Dantewada Pincode 494553 State Chhatisgarh Post office Bacheli Nearest police station Narest Railway station Date of Grant of Mining Lease Talue of Execution Agonomic of Mine Date of Grant of Mine Date of Second Renewal, if applicable and its period & expiry Na Date of submission of renewal application if NA M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O Jagdalpur, Distt- Bastar Pin code-494001, Chlattisgarh Phone: 07782-228555 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com Phone: 0782-228555 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com Phone: 0782-228555 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com Phone: 0782-228555 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com, pmsl10@hot	8	Mine code	60CHG03004	
Name of the lessee, Address, phone, email and fax number Name of the lessee, Address, phone, email and fax number Name of the lessee, Address, phone, email and fax number Name of the lessee, Address, phone, email and fax number Name of the lessee, Address, phone, email and fax number Not address and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O Jagdalpur, Distr. Bastar Pin code-494001, Chhattisgarh Phone: 07782-228555 Email: pmsl10@rediffmail.com, pmsl10@hotmail.com, pmsl10@hotmail.com Pade Bade Bacheli District Dantewada Pincode 494553 State Chhatisgarh Post office Bacheli Nearest police station Bacheli Nearest Railway station Sirandul Date of Grant of Mining Lease 30/09/2003 to 29/09/2023 for (twenty years) for lease period extension application submitted to the State Govt. 14 Date of Execution 30/09/2003 15 Date of opening of Mine 25/06/2007 NA NA NA Date of Second Renewal, if applicable and its period & expiry NA Date of submission of renewal application if NA	9		IBM/9859/2011	
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17 Date of Second Renewal, if applicable and its period & expiry 18 Date of submission of renewal application if NA			INA	
period & expiry 18 Date of submission of renewal application if NA	17		NA	
		period & expiry	INA	
Mining Operations are continuing under deemed	18	Date of submission of renewal application if	NA	
		Mining Operations are continuing under deemed		

	extension	
19	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
20	Name of the Mine Agent 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
21	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri.Urban Das Banjare, B.E. Mining, M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh Mob:7697155494 Date of appointment: 21/02/2018
22	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri.Urban Das Banjare, B.E. Mining, M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh Mob:7697155494 Email: pmsl10@rediffmail.com Date of appointment: 21/02/2018
23	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist Shri K.V. Krishna Rao M/s Precious Minerals and Smelting Ltd. Semi Urban Industrial Area, Frezerpur, P.O Jagdalpur, Distt- Bastar Pin code-494001, Chhattisgarh Phone: 07782-228555 Email: pmsl10@rediffmail.com Date of appointment: 18/03/2017
24	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan Approval letter no.& Date: Dnt/Tin/MPLN-1142/2017, Raipur, 04/04/2018. Proposal period: 2018-19 to 2022-23
25	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
26	Mineral(s) granted in lease and proved for mining	TIN

27	Method of Mining (Opencast, Underground)	Opencast	
28	Category (Fully Mechanized, Others or Manual)	Manual	
29	Captive/Non-Captive	Captive	
30	EC for ROM Prod:	1500 TPA	
31	FA amount Rs	Rs. 6,25,600.00, Valid up to: 31/03/2023	
	Valid up to:		

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 EXPLORATION

SN	ITEM	PROPOSALS	ACTUAL WORK	REMARKS	
		(2020-21)	(2020-21)		
1a	Backlog of previous year	13	Nil	Violation of Rule	
1b	Exploration over lease area	Nil Nil		11(1) of MCDR,	
	for Geological axis 1 or 2.			2017 was pointed	
1c	Exploration Agency &	NA	Nil	out for non-	
	Expenditure in lakh Rupees			compliance of	
	during the year			exploration	
1d	Balance area to be explored	13 Bore holes	s proposed in year 2019-	proposals.	
	to bring Geological axis in 1	2020 after that	Entire Lease area will be		
	or 2	explored	under G1 Category		
1e	Balance reserves as	Under111 categ	Under111 category: 600.387 Tones		
	01.04.2021	Under221 &222	2 category: 107.77 Tones		
1f	General remarks of inspecting	The Tin ore de	posit of the mining lease a	rea belong to Begpal	
	officer on geology,	series of arch	ean period. The Bengpa	al series consist of	
	exploration etc.	Pegmatite reef	(Tin ore bearing) and A	Amphibolites Sericite	
		Schist.The pegr	natite is associated with la	rge crystal of Quartz	
		-	ica, tourmaline etc. in which		
		_	crystal. The pegmatites are		
		NW-SE trends.	The major individual pegn	naitie range from less	
		than 1 meters to	25 meters in width and 20	00 to 1500m in length	
		25 to 50 m in depth or more. The pegmatites are coarse and			
		granular veined bodies.13 Bore holes were proposed in year			
		2019-2020 after	r that Entire Lease area wi	ill be explored under	
		G1 Category. H	owever, exploration has no	t carried out.	

2.0 DEVELOPMENT

SN	ITEM	PROPOSALS	ACTUAL WORK	REMARKS
		(2020-21)	(2020-21)	
2a	Location of development w.r.t.	Pit 3 E -700 to E 900	Pit 3 E -700 to E 900	Development of
	lease area	N100 to N 500	N100 to N 500	pit is on lower
2b	Separate benches in topsoil,	Yes	Yes	side due to
	overburden and mineral (Rule 15)			covid-19 and
2c	Stripping ratio or ore to OB ratio	1:719	1:0.001	adverse law &

2d	Quantity of topsoil generation in m ³	450	180	order situation.
2e	Quantity of overburden generation in m ³	2246.25	800	
2f	General remarks of inspecting	Development is on le	ower side due to covi	d-19 and adverse
	officer on development of pit w.r.t.	law and order situati	on.	
	type of deposit etc.			

3.0 EXPLOITATION

S.N.	ITEM	PROPOSAL (2020-21)	ACTUAL WORK (2020-21)	REMARK
3a	Number of pits proposed for production	1	1	
3b	Quantity of Tin production proposed	11.25 Tonne	0.994 Tonne	
3c	Recovery of saleable/usable mineral from Tin production	11.25 Tonne 0.994 Tonne		
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	Manual method adopted for segregating ores	Manual method adopted for segregating ores	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Applicable	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	No	No	
3k	Provision of mining machineries in mineral benches	Tractor-02	Deployed as proposed	
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes	
3m	Total area covered under excavation/pits	No year wise proposal for area to be covered under excavation furnished in approved plan. However, as approved plan, area at the end planned period is as below: Area under mining: 1.408 ha	Exact area can not be ascertained, since the lessee has not maintained up-dated plan.	Violation Rule 31(4) of MCDR, 2017 pointed out for not maintaining updated

		Storage for the Top soil: 0.192 ha Waste dump site: 0.910haRoads: 0.596 ha, Others (Penning pond): 0.022 ha		plans & sections within 12 months.
3n	Ore to OB ratio for the pit/mine during the year	1:719	1:0.001	Due to covid-19 and adverse law and order situation, the mining operations is on minimum scale.
30	Total area put in use under different heads at the end of year	As per approved Mining Plan the area at the end of planned period is as below: Area under mining: 1.408 ha Storage for the Top soil: 0.192 ha Waste dump site: 0.910haRoads: 0.596 ha, Others (Penning pond): 0.022 ha	The lessee has not done any survey work since approval of the plan. No updated plan maintained.	Violation of Rule 31(4) of MCDR, 2017 is pointed out.
3p	Production of Tin during last Five -year period, as applicable	2016-17 2017-18 2018-19	0.925 T 0.696 T 0.144 T	
		2019-20 2020-21	0.780 0.994	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is ma segregation is done manua scale due to covid-19 and a	lly. Mining operations are	e on very low

4.0 SOLID WASTE MANAGEMENT-DUMPING

SN	ITEM	PROPOSALS (2018-19)	ACTUAL WORK (2018-19)	REMARKS
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	yes	yes	
b	Location of topsoil, OB & mineral reject dumps	Southern Part of the Lease	Southern Part of the Lease	
4c	Number of dumps within lease area and outside lease area	Within Lease:3 Outside Lease: Nil	Within Lease:3 Outside Lease: Nil	

4d	Location of dumps w.r.t.	Out side UPL	Out side UPL	
	ultimate pit limit (Rule 16)			
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or	Garland drainage	Not done.	Violation of
	garland drain all along dumps	proposed.		Rule 11(1) of
	are there			MCDR, 2017 is
				pointed out.
4i	Length of Retaining wall or	Not Applicable	Not Applicable	
	garland drain all along dump			
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting	Violation of Rule 11	(1) of MCDR, 2017 is p	ointed out for
	officer	non-compliance of proposal of garland drainage around waste		
		dump.		

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

SN	ITEM	PROPOSALS	ACTUAL WORK	REMARKS
		(2020-21)	(2020-21)	
5a	Status on part or full extraction of	Nil	Nil	No area is
	mineral from mined out area			matured for
	before starting backfilling			Back filling.
5b	Area under backfilling of mined	Nil	Nil	
	out area			
5c	Concurrent use of topsoil for	Nil	Nil	
	restoration or rehabilitation of			
	mined out area (Rule 32)			
5d	Total area fully reclaimed &	Nil	Nil	
	rehabilitated			
5e	General remarks of inspecting	Area is not matured fo	r Back filling.	
	officer on backfilling, reclamation			
	etc			

6.0 PROGRESSIVE MINE CLOSURE PLAN

SN	ITEM	PROPOSALS	ACTUAL WORK	REM
		(2020-21)	(2020-21)	ARKS
6a	Whether Annual report on PMCP submitted	Yes	Yes	
	on time and correctly - Rule 23E (2). Details			
	should be given in the format as given in			
	Annexure-20.			
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (ha)			
	ii) Afforestation done (ha)	Nil	Nil	

	iii) No. of saplings planted during the yeariv) Cumulative no. of plantsv) Any other specific method of rehabilitationvi) Cost incurred on watch & care during theyear		
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) NA ii) NA iii) Nil iv) Nil v) Nil	i) NA ii) NA iii) Nil iv) Nil v) Nil
6d 6e	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation Compliance of Environmental monitoring (core zone & buffer zone)	i) 150nos ii) 0 Ha iii) Nil	i) 150nos ii) 0 Ha iii) Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mining operations are at initial stage. No area has matured for backfilling.	

7.0 MINERAL CONSERVATION

SN	ITEM	PROPOSALS	ACTUAL WORK	REMARKS
		(2020-21)	(2020-21)	
7a	ROM Mineral dispatch or grade-wise sorting within lease area	yes	Manual sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting	Manual sorting	
7c	Different grade of mineral sorted out at mines	yes	Manual sorting	
7d	Any beneficiation process at mines	Only Panning	Only Panning	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	By panning tin ore collected.		

8.0 ENVIRONMENT

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Separate removal and utilization of top soil is being done.	
8b	Concurrent use or storage of topsoil	Yes	Concurrent	

			utilization of top soil being done.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Planned	Separate dumps for overburden/wast e rock and rejects.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal during the planned period other than plantation.	Not done.	Mining operations are at initial stage.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the planned period other than plantation.	Not done.	Mining operations are at initial stage.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Planned	150 saplings	
8g	Survival rate	85%	60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on roads is being done water tanker to control air borne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Protection measure for waste dump in form of garland drainage is not provided as proposed. Violation of Rule 11(1) of MCDR, 2017 is pointed out.		

9.0 COMPLIANCE OF RULE 45

S.	Item	Comments	Remarks
N.			
9a	Status of submission of monthly	M.R. Submitted up to–July, 2021	Violation of
	and Annual returns	A.R. submitted up to- 2020-21,	Rule 45 (5) (c)
9b	Scrutiny of Annual return for	Mining Engineer: Shri U.D.Banjare	of MCDR, 2017 was
	information on Mining	Geologist: Shri K.V.Krishna Rao, Manager:	
	Engineer, Geologist and	Shri Somnath Sethiya	pointed out for
	Manager		furnishing
9c	Scrutiny of Annual return on	Area under mining: 1.408 ha	incorrect information on
	land use pattern for area under	Storage for the Top soil: 0.192 ha	, ,
	pits, reclaimed area, dumps etc.	Waste dump site: 0.910haRoads: 0.596 ha,	land use,
		Others (Penning pond): 0.022 ha	
9d	Scrutiny of Annual return on	Within Lease area: 150 nos.	
	afforestation	Outside Lease area: 00 nos.	recovery

				quantity of
9e	Scrutiny of Annual return on	Nil		ores.
	mineral reject generation (Grade			
	& Quantity)			
9f	Scrutiny of Annual return on	Production: 0.994 T,	,	
	ROM stock and/or grade ore	Opening Stock: 0.13	4 T,	
		Closing stock: 0.027	T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Rs. 510 per Kg ex-mine price and cost of production: Rs. 510.00 per kg being a captive mine		
9i	Scrutiny of Annual return on Fixed assets	Rs. 0.00 (Mentioned	in Annual Return)	
9k	Scrutiny of Annual return on mining Machineries	Type of Machinery	Capacity of each Unit	No. of Unit
		Nil	Nil	Nil

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		
11(1)	 (i) No exploration has been carried out against proposal of vertical core drilling of 13 boreholes during the year 2019-20. (ii) The waste dump has not been protected by garland drainage against the proposal. 		
31(4)	Plans and sections required under the Rule are not maintained up to date within 12 months.		
45 (5) (c)	Following information are furnished incorrectly in submitted Annual Return for the year 2020-2021: (i) Surface area utilization. (ii) Mineral reserves (iii) Recovery quantity from smelter plant is not furnished although grade is furnished.		
48	No record of boreholes in Form J maintained.		

Violation of Rule 35(4) of MCDR, 2017 was pointed by Shri R.N.Mishra, SMG of this office vide letter dated 28.05.2021 for star rating of below 3 star. The lessee has not responded.

Star rating for year 2020-21 has been examined and found to be 3 star. Accordingly, validated.

Date: 16/02/2020

(Debadurllav Dash)

Senior Mining Geologist