

INSPECTION DATASHEET for the Year 2022-23**General**

S.N.	Particulars	Details
1	Name of the Mine	Birpur Bauxite & Fireclay Mine
	Date of Inspection:	05.03.2024
	Name of Inspecting Officer	Shri Avishek Ranjan Goutam
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area-6.03 ha Forest Land-nil Non Forest Land-6.03 ha
3	Mine code	07MPR41005
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/987/2011
5	Last Inspection Details	08/02/2022
6	Mine official present during the inspection	Shri A.S.Chouhan
7	Name of the Lease, Address, Phone, email and fax number	Name of the Lease - Birpur Bauxite & Fireclay Mine Lessee: M/s Shrikrishnada Tikaram Address: Civil Line District Katni Madhya Pradesh-483501 Phone: +919826385572 Email: sktr09@yahoo.com
8	Village	Naikin
9	Taluka/Mandal	Rampur Naikin
10	District	Sidhi
11	Pin code	486776
12	State	Madhya Pradesh
13	Post Office	Naikin
14	Nearest Police Station	Rampur Naikin
15	Nearest Railway Station	Beohari
16	Date of Grant of Mining Lease	07.09.1977
17	Date of Execution	07.09.1977
18	Date of opening of Mine	07.09.1977
19	Date of First Renewal, if applicable and its period & expiry	07.09.1997 to 06.09.2017
20	Date of Second Renewal, if applicable and its period & expiry	07.09.2017 to 06.09.2027
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Ashwani Gautam Address: Astha Plaza II floor Shop no-11,12 Bargawan Katni-483501 Phone: +919826385572 Email: sktr09@yahoo.com Date of appointment- 01/04/2009
23	Name of the Mine Agent with Address, phone, email, fax	Shri A.S.Chouhan

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	number and date of appointment	Address: Astha Plaza II floor Shop no-11,12 Bargawan Katni-483501 Phone: +919755084024 Email: sktr09@yahoo.com Date of appointment- 01/04/2009
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	C.P.Nigam Address: Astha Plaza II floor Shop no-11,12 Bargawan Katni-483501 Phone: +919993819814 Email: sktr09@yahoo.com Date of appointment- Feb 2012
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Deependra Pandey Address: Astha Plaza II floor Shop no-11,12 Bargawan Katni-483501 Phone: +918357889202 Email: sktr09@yahoo.com Date of appointment- December 2021
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP/Sidhi/Baux/M.Plan/R- 13/95-96 Dated- 16-01-1996 (Mining plan for renewal of Lease)
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1. MP/Sidhi/Bauxite/M-Scheme- 41/04-05 dated 01-06-2005 (Scheme of Mining) 2. MP/Sidhi/Bauxite/M. Scheme- 02/08-09 dated 30-06-2008 (Scheme of Mining) 3. MP/Sidhi/Bauxite/M.Sch.- 27/2012-13/4182 dated 19-09-2012 ((Scheme of Mining) 4. MP/Sidhi/Bauxite/MPLN/MOD -60/2017-18/3361 dated 12-10-2017. (Modification of AMP) 5. MP/Sidhi/Bauxite/RMP-76/2021-22 dated 11.03.2022. (Review of Mining Plan)
29	Mineral(s) granted in lease and approved for Mining	Bauxite & Fireclay
30	Method of Mining (Opencast, Underground)	Opencast,
31	Category (Fully Mechanized, Others or Manual)	Mechanized
32	Captive/Non-Captive	Non-Captive

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Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	24 Borehole under G1 upto depth of 20m each total 480 meter	Nil	Violation pointed out under rule 11(1)
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area to be explored in G1 scale	Lease area explored upto G2 level,	Due to not having statutory permission of operate mines our mines was closed at the time of 2022-23, after that we have started Mining activity in 2023-24.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Proposed	Not Done	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire lease area to be explored in G1 scale	Lease area explored upto G2 level,	
1e	Balance reserves as on 01.04.2023	22680 tonne	22680 tonne	Due to not having statutory permission of operate mines our mines was closed at the time of 2022-23, after that we have started Mining activity in 2023-24.
1f	General remarks of Inspecting officer on geology, exploration etc.	Violation pointed out under rule 11(1)		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 2693835 TO N2693925 E 540590 TO E 540665	NIL	Due to not having statutory permission of operate mines our mines was closed at the time of 2022-23, after that we have started

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				Mining activity in 2023-24.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	1 Bench (1 to 2 mt in height)	NIL	Due to not having statutory permission of operate mines our mines was closed at the time of 2022-23, after that we have started Mining activity in 2023-24.
2c	Stripping ratio or ore to OB ratio	1:0.65	NIL	Due to not having statutory permission of operate mines our mines was closed at the time of 2022-23, after that we have started Mining activity in 2023-24.
2d	Quantity of topsoil generation in m ³	NIL	NIL	
2e	Quantity of overburden generation in m ³	13810 m ³ as OB	NIL	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1 pit	None	

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3b	Quantity of ROM mineral production proposed (2022-23)	17993 CUM	Nil	
3c	Recovery of Salable/usable mineral from ROM production	35304 Tonne Bauxite 5286 tonne Fireclay	Nil	Violation pointed out under rule 11(1)
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	N.A.	
3f	Quantity of sub-grade mineral generation	Not Proposed	N.A.	
3g	Grade of sub-grade mineral generation	Not Proposed	N.A.	
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	N.A.	.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	N.A.	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	N.A.	
3k	Provision of mining machineries in mineral benches	L & T PC-200 of 0.9CuM capacity, Dumpers of 16 tonnes capacity, Water Tanker-2KL capacity	L & T PC-200 of 0.9CuM capacity, Dumpers of 16 tonnes capacity, Water Tanker-2KL capacity	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1 to 2 mt height in OB 5-6 mt height in ROM	NIL	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.
3m	Total area covered under excavation /pits	1.83	1.59	Due to not having statutory permission mines was closed at the time of 2022-23, after that

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				mining activities have been started in 2023-24.
3n	Ore to OB ratio for the pit/mine during the year	1:0.65	NIL	
3o	Total area put in use under different heads at the end of year	2.7324 Ha	2.6438 ha	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal	Achievement
		2018-19	20896	4619.660
		2019-20	22919	4695.160
		2020-21	29274	4660.184
		2021-22	30519	27464.967
		2022-23	Bauxite-35304 t Fireclay-5286 t	NIL
3q	General remarks of inspecting officer on method of mining etc	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Waste Dumping proposed	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Southern part	Nil	
4c	Number of Dumps within lease area and outside lease area	12 nos with in lease area	12 nos with in lease area	Due to not having statutory permission mines was closed at

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				the time of 2022-23, after that mining activities have been started in 2023-24.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Northern & Eastern part of the lease area	Northern & Eastern part of the lease area	
4e	Number of Active & Alive dumps	12 nos	12 nos	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	Not Proposed	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	N.A.	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	N.A.	
4j	Number of settling ponds	Not Proposed	N.A.	
4k	Specific comments of inspecting officer on waste dump management	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	0.0309 ha	Nil	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	N.A.	
5d	Total area fully reclaimed & rehabilitated	0.0309 ha	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.		

Progressive Mine Closer Plan

S.N.	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	Proposed	Yes	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	0.0309 ha	Nil	
	ii) Afforestation done (ha)	0.18 ha as green belt	0.18 ha as green belt	
	iii) No.of saplings planted during the year	200	200	
	iv) Cumulative no. of plants	200	200	
	v) Any other specific method of rehabilitation	Not Proposed	N.A.	
	vi) Cost incurred on watch & care during the year	Not Proposed	N.A.	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	0.0309 ha	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	By Green belt 200 nos of plan	200 nos of plant	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Done	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual report on PMCP submitted on time and correctly		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Manual sorting sizing	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Nil	
7c	Different grade of mineral sort out at mine	Not Proposed	N.A.	
7d	Any beneficiation process at mines	Not Proposed	N.A.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	N.A.	
8b	Concurrent use or storage of topsoil	Not Proposed	N.A.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	For backfilling purpose	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	N.A.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	By Green belt 200 nos of plan	200 nos of plant	
8g	Survival rate	80	70	
8h	Water sprinkling on roads to control airborne dust	Proposed	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is not much satisfactory as plantation not done up to that extent.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of April - 2024 and AR of 2022-23 has been submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Ankit Pandey Geologist: Shri Omprakash Tiwari	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open cast working- 1.470 Ha, OB dumps-0.20 Ha, Other purpose- 0.15Ha, etc	
9d	Scrutiny of Annual return on Afforestation	By Green belt 50 nos of plant	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral rejects generated during the year	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Due to not having statutory permission mines was closed at the time of 2022-23, after that mining activities have been started in 2023-24.	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* (₹ 4011500)	
9k	Scrutiny of Annual return on mining Machineries	L & T PC-200 of 0.9CuM capacity, Dumpers of 16 tonnes capacity, Water Tanker-2KL capacity	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:- Details is given below:

Rule – 11(1) of MCDR 2017 dated 14/03/2024

Rule – 34A(3) of MCDR 2017 dated 14/03/2024

Date:

Name:

Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer