

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

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Naikin-2 Bauxite Laterite & Fireclay Mine 06.03.2024 Shri Avishek Ranjan Goutam
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area-3.417 ha Forest Land-nil Non Forest Land-3.417 ha
3	Mine code	07MPR41003
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 - Naikin-2 Bauxite Laterite & 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	26.02.1977
17	Date of Execution	26.02.1977
18	Date of opening of Mine	26.02.1977
19	Date of First Renewal, if applicable and its period & expiry	26.02.1997 to 25.02.2017
20	Date of Second Renewal, if applicable and its period & expiry	26.02.2017 to 25.02.2027
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	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.	Vide IBM approval letter no. MP/Sidhi/Baux./M.Plan/ R-12/95-96 Dated- 19.01.1996 (Mining plan for renewal of ML)
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-42/2000-01 dated 09.07.2001 (Scheme of Mining) 2. MP/Sidhi/Bauxite/M- Scheme-4/2008-09 dated 01.07.2008. (Scheme of Mining) 3. MP/Sidhi/Bx./MPLN/Mo d.-04/10-11 dated 13.06.2011 (Modification of AMP) 4. MP/Sidhi/Bauxite/M.Sch eme-18/11-12 dated 15.11.2011. (Scheme of Mining) 5. MP/Sidhi/Bauxite/M.Sch eme-53/2014-15 dated 28.01.2015. (Scheme of Mining) 6. MP/Sidhi/Bauxite/MPLN /Mod.-59/2017-18/3358 dated 13.10.2017. (Modification of AMP) 7. MP/Sidhi/Bauxite/RMP-75 /2021-22 323 dated 03.03.2022.(Review of Mining Plan)
29	Mineral(s) granted in lease and approved for Mining	Bauxite Laterite & 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	8 Borehole under G1 upto depth of 200m	Nil	Violation pointed out
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,	
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	245956 tonne	245956 tonne	
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 2693532 TO N2693580 E 540228 TO E 540320	N 2693538 TO N2693578 E 540232 TO E 540315	.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	1 Bench (1 to 2 mt in height)	1 Bench (1.5 mt in height)	
2c	Stripping ratio or ore to OB ratio	1:0.18	1:0.16	
2d	Quantity of topsoil generation in m ³	NIL	NIL	
2e	Quantity of overburden generation in m ³	2839 m ³ as OB	1222 m ³ as OB	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development work done as per proposal.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1 pit	None	
3b	Quantity of ROM mineral production proposed (2022-23)	23547 tons	23463 tons	

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3c	Recovery of Salable/usable mineral from ROM production	90% recovery of bauxite	As per proposal	
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 Excavator of 0.9CuM bucket capacity, Dumpers-16 Tonnes, Water Tank of 2KL capacity, etc proposed	L & T PC-200 Excavator of 0.9CuM bucket capacity, Dumpers-16 Tonnes, Water Tank of 2KL capacity, etc deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 1.0m proposed in OB & 3 to 5m height in bauxite ore	Benches height appears suitable as proposed	
3m	Total area covered under excavation /pits	2.34	2.33	
3n	Ore to OB ratio for the pit/mine during the year	1:0.18	1:0.16	
3o	Total area put in use under different heads at the end of year	2.6449 Ha	2.60 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Mineral (t)	Mineral (t)
		2018-19	24736.50	21301.746
		2019-20	25098.75	24957.037
		2020-21	25007.67	24975.040
		2021-22	25007.67	24909.635
		2022-23	Bauxite-23547 t Laterite-219 t Fireclay-476 t	Bauxite-23463 t Laterite-192 t Fireclay-421 t
3q	General remarks of inspecting officer on method of mining etc	Method of mining was proposed by opencast working by mechanised mining with excavator & dumper combination.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	1 to 2 mt height in OB 4-6 mt height in ROM	1.5 mt height in OB 5 mt height in ROM	
4b	Location of topsoil, OB & mineral reject dumps	OB dump-1 located in between grid N2693600 & E540100 & Dump-2 towards N2693500 & E540400	OB dump-1 located in between grid N2693600 & E540100 & Dump-2 towards N2693500 & E540400	
4c	Number of Dumps within lease area and outside lease area	Two numbers of OB dumps within ML area	Two numbers of OB dumps within ML area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Two numbers of OB dumps outside UPL	Two numbers of OB dumps outside UPL	
4e	Number of Active & Alive dumps	Two numbers of active OB dumps within ML area	Two numbers of active OB dumps within ML area	
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 commends of inspecting officer on waste dump management	Very meagre quantity of OB generation was proposed. Some OB generated previously being used for backfilling purpose.		

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	Some part area of pit-1 is matured for backfilling	Not done	Violation pointed out
5b	Area under backfilling of mined out area	0.1300 ha	0.050	Not sufficient OB is generated

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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	0.1300 ha	0.050	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling not done as proposed.		

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	Annual report on PMCP submitted on time and correctly	Annual report on PMCP submitted on time and correctly	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	0.1300	0.05	
	ii) Afforestation done (ha)	0.09	0.09	
	iii) No.of saplings planted during the year	100	100	
	iv) Cumulative no. of plants	80	70	
	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	0.1300 ha	0.05 ha	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	By Green belt 100 nos of plan	100 nos of plant	

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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 sizing & sorting proposed	Manual sizing & sorting carried out as proposed	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sizing & sorting proposed	Manual sizing & sorting being exercised.	
7c	Different grade of mineral sort out at mine	Refractory & cement grade proposed	Cement & refractory grade ore supplied to the cement plants & refractory plants near Katni	
7d	Any beneficiation process at mines	Not Proposed	N.A.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Bauxite ore being conserved in systematic manner by adopting manual sizing & sorting for deriving cement & refractory grades of bauxite ore.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Concurrent use of plantation purpose proposed	During the year no top soil generated	
8b	Concurrent use or storage of topsoil	Concurrent use of plantation purpose proposed	During the year no top soil generated	

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8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	N.A.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	For backfilling purpose	For backfilling purpose	Backfilling not done as proposed. Violation pointed out
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 500 nos of plant	100 nos of plant	
8g	Survival rate	80	70	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	
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.	Yes Working pits area-2.60Ha, Reclaimed/Rehabilitated-0.25Ha, Waste dumps-0.25Ha & Other uses- 0.27Ha	
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	Cement Grade: O/S-5583.037 MT Despatch-11529.600 MT C/S-11833.601 MT	

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		Refractory Grade: O/S-4377.931 MT Despatch-5310.345 MT C/S-4750.537 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex-mine price: Cement Grade -Rs 912/MT Refractory GradeRs 3077/MT	
9i	Scrutiny of Annual return on Fixed assets	Nil	
9k	Scrutiny of Annual return on mining Machineries	BACK HOE 770.000 CUM 1 Non Electrical Opencast FRONT END LOADER 290.000 CUM 1 Non Electrical Opencast PUMPS (NON-ELEC.) 200.000 L/MN 1 Non Electrical Opencast	

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