

**CHECKUP INSPECTION REPORT (2024-25)**

S. N.	Particulars	Details
1	Name of the Mine	<b>GIRGAON- RINGEWADI BAUXITE MINE</b>
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	576.12 Ha. Forest – 332.40Ha. Non Forest – 243.72 Ha.
3	Mine code	07MSH13013
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/718/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Shivram Minerals, 1 <sup>st</sup> floor, Anant vishwa tower, 250/B/34, E ward, Nagala park Kolhapur – 416003 Tel, no. 0231 2660911 Email id – <a href="mailto:info@shivramminerals.com">info@shivramminerals.com</a>
6	Village	Burambal
7	Taluk/Mandal	Shahuwadi
8	District	Kolhapur
9	Pin code	415101
10	State	Maharashtra
11	Post office	Burumbal
12	Nearest police station	Shahuwadi
13	Nearest Railway station	Kolhapur
14	Date of Grant of Mining Lease	21/04/2003
15	Date of Execution	21/04/2003
16	Date of opening of Mine	07/10/2003
17	Date of first Renewal, if applicable and its period & expiry	12/01/2016 20/04/2033
18	Date of second Renewal, if applicable and its period & expiry	--
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	--
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Sandeep Dongale. (GPA), Sane Guruji Vasahat, Kolhapur. – 416008. Ph. 9552549670 Minerals_shivram@yahoo.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Sandeep Dongale. (GPA), Sane Guruji Vasahat, Kolhapur. – 416008. Ph. 9552549670 Minerals_shivram@yahoo.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Pravin V. Likhar. B.E. Mining At/Post – Shahuwadi, Dist. – Kolhapur – 415102 Ph – 8275002506 Date of Appointment – 18/06/2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri. Pravin V. Likhar. B.E. Mining At/Post – Shahuwadi, Dist. – Kolhapur – 415102 Ph – 8275002506 Date of Appointment – 18/06/2018
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Geologist -Shri.Manjunath Krishana Bhat, MSc M.Engineer - Beedupalli Muneer Basha.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and	

	specific condition in approval letter, if any.	
<b>26</b>	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	RMP Approved vide No. MCDR-MPC0BXT/2/2023-GOA-IBM_RO_GOA dated: 06/06/2023 (2023-24 to2027-28)
<b>27</b>	Mineral(s) granted in lease and proved for mining	Bauxite
<b>28</b>	Method of Mining(Open cast, Underground)	Open cast
<b>29</b>	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
<b>30</b>	Captive/ Non captive	Non captive
<b>31</b>	Date of inspection	19/11/2024
<b>32</b>	Name of accompanying mine officials with designation	Shri. V.J.K Babu, Controller of Mines (SZ)

### Exploration

S.N.	Item	Proposals	Actual work	Remarks
<b>1a</b>	<b>Backlog of previous year</b>	Nil	Nil	Nil
<b>1b</b>	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Out of Total 576.12Ha lease area 228.05Ha is covered under G1 level of exploration, 189.8280 Ha under G3 & 158.2413Ha proved as non-mineralized area.
<b>1c</b>	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
<b>1d</b>	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
<b>1e</b>	Balance reserves as on 01.04.2024	5,179,663.00 MT	5,179,663.00MT	As per the AR:23-24 submitted
<b>1f</b>	General remarks of inspecting officer on geology, exploration etc.	Bauxite in the lease hold is found as tabular deposits on the top of flat topped hillocks capped by laterite. Thickness of the deposit is varying from 4 to 9m. Bauxite is also found in the form of boulders on the slopes of the hillocks. Three plateau( P1,P2 &P3) deposits are found in the area with average length and width of 1).1600X300M, 2)500X250M, 3).500X150M and average length of float ore in forest area (Float ore F2 & F3) is 3500-4000m and width is 300-400m. Average length and width of float ore in private area (Float ore F1) is length 900-500m and width 400-250. Average grade of Bauxite float Ore is 38% Al <sub>2</sub> O <sub>3</sub> and in Plateau is 52% Al <sub>2</sub> O <sub>3</sub> . Out of Total 576.12Ha lease area 228.05Ha is covered under G1 level of exploration, 189.8280 Ha under G3 & 158.2413Ha proved as non-mineralized area. Exploration is proposed by pitting thru		

	62 trial pits from 2026-27 to 2027-28.
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### Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Float working RL 994-952 1861449N-1862048N 383091E -382653E (Pit 1) Reef working RL 1000-992 1860649N-1860551N 383446E-383418E (Pit 5)	Float working (Pit 1) RL 994-952 1861449N-1862048N 383091E -382653E Reef working (Pit 5) RL 1000-992 1860649N-1860551N 383446E-383418E.	Pit -1 is in Float area & Pit5 is in Reef area and working carried out within the proposed locations
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil - 0 Overburden - 1 Mineral- 1	Topsoil - 0 Overburden - 1 Mineral- 1	--
2c	Stripping ratio or ore to OB ratio in m3	1:1.06	1:1.2	--
2d	Quantity of topsoil generation in m3	Nil	Nil	--
2e	Quantity of overburden generation in m3	68810 m3	49500 m3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is developed with total 5 pits (Pit 1 to Pit 5). Out of 5 pits Pit 1 and Pit 5 are active and pits 2, 3 & 4 are fully reclaimed by concurrent backfilling and rehabilitated. The pits are suitably developed to win the float Ore and Reef Ore		

### Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Pit 1 & Pit 5	Pit 1 & Pit 5	Worked in the proposed pits.
3b	Quantity of ROM mineral production proposed	72999.00MT	61000.00MT	Reportedly out of proposed 72999.6 MT production, only 61000 MT production could be achieved due to less demand of ore.
3c	Recovery of salable/usable mineral from ROM production	30% in float 100% in Reef	30% in float 100% in Reef	-
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	Nil	Nil	-

	generation			
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	-
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	-
3k	Provision of mining machineries in mineral benches	Excavator 0.9 m3 4 no. Rock breakers - 02 no.	Excavator 0.9 m 4 no. Rock breakers - 02 no.	Mobile crushing – 100TPH & Screening – 100TPH for processing.
3l	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	Pit -01& Pit5 3.23Ha	Pit – 01& Pit5 2.52 Ha	Due to less demand of mineral, less area excavated in pit 1.
3n	Ore to OB ratio for the pit/mine during the year	19.56:1 (MT/m3) in Reef 0.77:1 (MT/m3) in Float	19.56:1 (MT/m3) in Reef 0.81:1 (MT/m3) in Float	Ratio in tone per cubic meter
3o	Total area put in use under different heads at the end of year	49.78Ha Up to 31/03/2024	49.1 Ha Up to 31/03/2024	Reportedly due to less demand of mineral, less area excavated in pit 1.
3p	Production of ROM mineral during last five-year period, as applicable	2019-2020 - 72804MT 2020-2021- 72999MT 2021-2022- 72880MT 2022-2023- 72980MT 2023-2024 - 72999MT  Total – 364662.6 MT	2019-2020 - 72800MT 2020-2021- 72996MT 2021-2022- 72500MT 2022-2023- 72500MT 2023-2024 - 61000MT  Total – 351796 MT	-
3q	General remarks of inspecting officer on method of mining etc.	The mine is worked by opencast mechanized method of mining with combination of loaders and tippers & without drilling and blasting.		

#### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No top soil generation. Simultaneous backfilling of waste	No top soil generation. Simultaneous backfilling of waste	-

		or OB at mined out area	or OB at mined out area	
4b	Location of topsoil, OB & mineral reject dumps	Topsoil – Nil mineral reject dumps - Nil	Topsoil – Nil mineral reject dumps - Nil	-
4c	Number of dumps within lease area and outside lease area	0	0	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	0	0	-
4e	Number of active & alive dumps	0	0	-
4f	Number of dead dumps	0	0	-
4g	Number of dumps stabilized	0	0	-
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall -80 m Garland drain- 200 m	Constructed Retaining wall -80 m Garland drain- 200 m	Garland drain at different places.
4i	Length of Retaining wall or garland drain all along dump	Retaining wall -80 m Garland drain- 200 m	Constructed	-
4j	Number of settling ponds	Not in Proposal	02	-
4k	Specific comments of inspecting officer on waste dump management.	There are no waste dumps created in the Mining Lease. The entire waste generated is concurrently backfilled as majority of mining/winning the Ore is of shallow depth float ore.		

#### 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	Back filing is done after full excavation of mineral	-
5b	Area under backfilling of mined out area	3.23Ha	2.52 Ha	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No top soil generation	No top soil generation	
5d	Total area fully reclaimed & rehabilitated	34.447 Ha	33.767 Ha	fully reclaimed by backfilling & plantation done
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Backfilling is carried out as proposed and shortfall is due to reportedly due to less mining as market demand was less.		

#### Progressive Mine Closure 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	Submitted in time	For the year 2023-24
6b	Area available for rehabilitation (ha)	3.5Ha	3.23	Planted densely
6c	Afforestation done (ha)	3.23Ha	3.23Ha	-
6d	No. of saplings planted during the year	3500 plants	6000 plants	Appears to be correct.
6e	Cumulative no. of plants	-	58000 plants	Appears to be

				correct.
6f	Any other specific method of rehabilitation	-	Rehabilitation by systematic benching by engaging machineries	-
6g	Cost incurred on watch & care during the year	-	3 Lakh	Watering plants, Fertilizer and supervision
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	297mX118mX3m	280mX91mX3m	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	3.23 Ha	2.52 Ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	3.23 Ha	2.52 Ha	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Nil	Nil	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No waste land proposed	No waste land worked / Rehabilitated.	-
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	Nil	Nil	-
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring of environmental parameters proposed	Quarterly monitoring of all the environmental is carried out and updated.	-
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	All the proposed PMCP activities are satisfactorily carried out.		

### Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	On site grade Wise processing of minerals	On site processing for grade Wise segregation of minerals by crushing & screening	-
7b	Method of grade-wise mineral sorting i.e.	mechanical	By mobile crushing &	-

	manual or mechanical		screening plant	
7c	Different grade of mineral sorted out at mines	40-45 % Al <sub>2</sub> O <sub>3</sub> 45-50 % Al <sub>2</sub> O <sub>3</sub>	40-45 % Al <sub>2</sub> O <sub>3</sub> 45-50 % Al <sub>2</sub> O <sub>3</sub>	-
7d	Any beneficiation process at mines	Nil	nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine consists of good grade bauxite ore which are suitably blended to achieve marketable grade thereby taking care of mineral conservation aspects.		

### Environment

S.N	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation.	No top soil generation.	
8b	Concurrent use or storage of topsoil	-.	-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dump of overburden, waste. No mineral rejects.	Overburden/ Waste generated is utilized simultaneously for back filling of mined out area	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not in proposal	Overburden/ Waste generated is utilized simultaneously for back filling of mined out area	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation by back filling and plantation.	Reclamation done by back filling & plantation.	Plantation of 6000 saplings done during 2023-24.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not in proposal	Baseline information about year wise plantation done	-
8g	Survival rate	-	85 %	
8h	Water sprinkling on roads to control airborne dust	Water tankers- 1 Nos.	Water tankers- 1 Nos.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The aesthetic beauty in and around the mine is maintained satisfactorily by way of good number of plantation and existing natural forest vegetation.		
<b>Compliance of Rule 45</b>				
S.N	Item	COMMENTS		Remarks
9a	Status of submission of	M. R. Submitted in time up to =		

	Monthly and Annual returns	October 2024 A.R. Submitted in time up to 2023-24		
<b>S.No.</b>	<b>Item</b>	<b>Details Given in A.R</b>	<b>Observation of I/Officer</b>	<b>Remarks</b>
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Monthly returns to submit on or before 8th of every month and Annual Return before 1st of July every year.		Annual Return 2023-24 submitted
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by O/C mining-42.680 Ha Covered under current working- 2.520 Ha Reclaimed/ Rehabilitated- 33.767 Ha Used for waste disposal- 0.0 Ha Occupied by building, roads, etc- 4.949 Ha cumulative		Annual Return 2023-24 submitted
9d	Scrutiny of Annual return on afforestation	33.767Ha ( Cumulative) 6000 plants planted on 2.52 Ha area in the year 2023-24		Annual Return 2023-24 submitted
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject- Nil		Annual Return 2023-24 submitted
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Grade wise Production 40% to 45% - 58500 MT 45% to 50% - 2500 MT		Annual Return 2023-24 submitted
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	<b>Sale value</b> of 40% to 45% Al <sub>2</sub> O <sub>3</sub> for 36456.585 MT is Rs. 42362552 Sale value of 45% to 50% Al <sub>2</sub> O <sub>3</sub> for 6237.645 MT is Rs. 10229738 <b>Ex-mine price</b> for 40% to 45%		



		Al <sub>2</sub> O <sub>3</sub> is Rs. 1162 per Tonne Ex-mine price for 45% to 50% Al <sub>2</sub> O <sub>3</sub> is Rs. 1640 per Tonne <b>production cost</b> 1061.87 Rs./M.T.		Annual Return 2023-24 submitted
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets -Rs. 829847		Annual Return 2023-24 submitted
9k	Scrutiny of Annual return on mining machineries	Excavator -4 (0.9 CUM) Rock Breaker - 02 Mobile Crusher- 1 (100 T/H) Tipper- 5 (3.5CUM) Water tanker-2 (10000 Litre) Wheel Loader-2 (1.7 CUM)		Annual Return 2023-24 submitted

<b>Details of violations observed during current inspection and compliance position of violation pointed out</b>					
Rule NO.	<u>Violation observed</u>			<u>Show Cause position</u>	
	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Nil			Nil		

**(V. J. K. Babu)**  
Controller of Mines (South Zone)  
Indian Bureau of Mines, Bengaluru.