

MCDR REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine	Padwar Bauxite, Laterite & Fireclay Mine
	Date of Inspection:	25.10.2024
	Name of Inspecting Officer	Mr. Ibrahim Sharif D.COM, Jabalpur
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land- 0.00 Ha Non Forest Land (Barren Land)- 30.88 Ha Total – 30.88 Ha
3	Mine code	07MPR47019
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/11681/2012
5	Name of the Lease, Address, Phone, email and fax number	AWIN TRADING PVT. LTD. SHRI JAIKISHAN JAKOIDYA, 184,SAMTA COLONY, RAIPUR (C.G.) RAIPUR CHHATTISGARH
6	Village	PADWAR
7	Taluka/Mandal	BAHORIBAND
8	District	Katni
9	Pin code	
10	State	Madhya Pradesh
11	Post Office	Slimnabad
12	Nearest Police Station	Slimnabad
13	Nearest Railway Station	Katni
14	Date of Grant of Mining Lease	
15	Date of Execution	01/12/2005
16	Date of opening of Mine	01-DEC-05
17	Date of First Renewal, if applicable and its period & expiry	NA
18	Date of Second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	SHRI JAIKISHAN JAKOIDYA, DIRECTOR AWIN TRADING PVT. LTD. 184,SAMTA COLONY, RAIPUR (C.G.)
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr Vinay Kumar Jha
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. J L Saraf
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Letter no. MP/Katni/Bauxite/M.Plan/G-11/04-05 Dated 06/04/2005
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific	letter no. MP/Katni/Bauxite/RMP-18/2021-22 dated 21.03.2022

	condition in approval letter, if any.	
27	Mineral(s) granted in lease and approved for Mining	Bauxite , Laterite & Fireclay
28	Method of Mining (Opencast, Underground)	Open Cast
29	Category (Fully Mechanized, Others or Manual)	Mechanized-A
30	Captive/Non-Captive	Non-Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	27 no. of core bore hole with 564 meterage in the year 2022-23 and 15 no. of trial pits	Nil	Violation pointed out
1b	Exploration over lease area for Geological axis 1 or 2.	G1-4.39 Ha	Nil	G2-4.39 Ha Non Mineralized-26.49Ha
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire potential area to be explored in G1-	Nil	Violation pointed out
1e	Balance reserves as on 01.04.2024	Reserve as on 01.04.2023- Bauxite- 149046.7 Tonnes Laterite-193712.11 Tonnes Fire clay- 75093.27 Tonnes Depleted during 2023-24- Bauxite- 8348 Tonnes Laterite-6581.52 Tonnes Fire clay- Nil Balance as on 01.04.2024- Bauxite-140698 Tonnes Laterite-187130 Tonnes Fire clay- 75093.27 Tonnes in 122 category		
1f	General remarks of Inspecting officer on geology, exploration etc.	Mineralization of the lease area is denuded remains of original pre-existing rocks (i.e. quartzite and other associated rock of mahakoshal super group of palaeo-proterozoic age) which have been subjected to sub-aerial alteration over a very long time and this alteration in the tropical climate or alternating wet and dry seasons has resulted the formation of laterite, bauxite and associated mineral. Bauxite of the area is brown, pinkish red, grey and earthy in color and overlain by avg. 1m thick laterite cover. The host rock of the mineralization is quartzite of Mahakoshal group of palaeo-proterozoic age. Mineralized portion shows pisolitic and amorphous structure and dip and strike is not prominent feature of bauxite. No exploration was carried out, violation was pointed out.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	SW OF PIT-1, NORTH OF PIT-1	Within proposals	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate Bench in OB and Mineral to be maintained	Separate Bench in OB and Mineral is maintained	
2c	Stripping ratio or ore to OB ratio (from 1.04.23 Till 20.03.24)	1 :0.06	1: 0.83	
2d	Quantity of topsoil generation in cum	Nil		
2e	Quantity of overburden generation in cum	5912	12530	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is carried out within proposed area.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed (2023-24)	125397 Tonnes	Nil	
3c	Recovery of Salable/usable mineral from ROM production	Bauxite- 36330 Tonnes Associate – 78,254 Tonnes	92%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not applicable	Not applicable	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Not applicable	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Not carried out	
3j	Provision of drilling & blasting in mineral benches	No drilling and blasting is proposed.	Yes, Deep hole drilling and Blasting is practiced	
3k	Provision of mining machineries in mineral benches	Excavator- 1.1 Cum, Dumper- 12 Tonnes, Road grader- 1 no.	Excavator- 1.1 Cum, Dumper- 132 Tonnes, Dozer- 150 HP	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, bench height of 5 meters in OB and Mineral is suitable	Yes, suitable	
3m	Total area covered under excavation /pits	2.4549 ha	2.4549 ha	

3n	Ore to OB ratio for the pit/mine during the year	1 :0.06			
3o	Total area put in use under different heads at the end of year	7.4714		7.4714 Ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	-	-	
		2020-21	Lapse	Nil	
		2021-22	Lapse	Nil	
		2022-23	134165.61	Bauxite- Nil Laterite- Nil Fire Clay- Nil	
		2023-24	114580.32	Bauxite- 8348 T Laterite- 6581.5 Fire Clay- Nil	
3q	General remarks of inspecting officer on method of mining etc	Mechanised method adopted 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 proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	In pit-1	In pit-1	
4c	Number of Dumps within lease area and outside lease area	Nil	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of Active & Alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps established	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	No waste dump is observed		

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	Backfilling was proposed in Pit-1	Backfilling not carried out	
5b	Area under backfilling of mined out area	0.6786 Ha in 2022-23 and 0.3 Ha in 2023-24	No backfilling carried out	Violation was pointed out
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No such proposal	Nil	

5d	Total area fully reclaimed & rehabilitated	No such proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No backfilling carried out, violation was pointed out		

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).	To be submitted every year on time	Yes Annual return for FMCP has been Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha) in 2023-24	No such proposal	Nil	
	ii) Afforestation done (ha)	No proposal	Nil	
	iii) No. of saplings planted during the year 2023-24	200	200 No.	
	iv) Cumulative no. of plants	No proposal	About 4500 No.	
	v) Any other specific method of rehabilitation	-	Nil	
	vi) Cost incurred on watch & care during the year	-	-	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D)m ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	i) 0.678 Ha ii) Nil iii) 200 Nos iv) Nil v) Nil	i) Nil ii) Nil iii) 200 Nos iv) Nil v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	No proposal	NA	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Ambient Air, Water, Noise, are done in every Quarter .And Ground Vibration is done for each blast.	Ambient Air, Water, Noise, are done in every Quarter .And Ground Vibration is done for each blast.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual return for PMCP had been submitted in time, Plantation is being carried out to improve aesthetic beauty.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Yes sorting and sizing is proposed to be carried out	Yes sorting and sizing is being done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Yes Grade wise minerals is proposed to be sorted	Grade wise minerals is being sorted	
7d	Any beneficiation process at mines	There is no mineral beneficiation plant	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Sorting and sizing is being carried out		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling in worked out Pits is proposed	No Backfilling carried out	Violation was pointed out
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200 plantation is to be carried out	200 saplings planted during the year	
8g	Survival rate	No proposal	About 80 %	
8h	Water sprinkling on roads to control airborne dust	Water Spraying is to be carried out to suppress the dust.	Water Spraying Done by water Tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Water Spraying Done to suppress the dust generated during the mining, plantation is being done to improve aesthetic beauty		

Compliance of Rule 45

S.N.	Item	Comments	Actual	Remarks
9a	Status of submission of monthly and Annual returns	Monthly and Annual returns to be submitted in time as per statute	Monthly return and Annual Returns are being submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : J L Saraf Geologist: Nil	Not employed	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.Covered under current (O-C) Workings- 2.453 Ha 2. Occupied by plant, buildings, residential, welfare buildings and roads – 0.67 Ha 3. Used for any other purpose (specify) PLANTATION- 0.12 Ha	Storage of mineral is not reported	Violation pointed out
9d	Scrutiny of Annual return on afforestation	200	200	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM- Bauxite- 277598 ROM-Laterite- 165896 T ROM- Fireclay- 565 T Graded- Bauxite-268971 T Graded Laterite-151900 T Graded Fireclay-565 T	Discrepancies are observed,	Violation was pointed out
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Ex- Mine Price Bauxite- Rs.753.25, Laterite-Rs.554.67 Fireclay- Rs. 16.67 Sale price Bauxite –Rs. 529.06 Laterite- Rs. 245.87 Cost of Production- Rs.526.93	Deviation in Ex mine price, Sale price is observed	Violation was pointed out
9i	Scrutiny of Annual return on Fixed assets	Rs. 901963	As reported by lessee	
9k	Scrutiny of Annual return on	Excavator- 1.1 cum- 1 No.	Excavator- 1.1 cum- 1	

	mining Machineries	Truck- 12T- 1 No. Dozer- 150 Hp- 1 No. Tractor- 6 cum- 1 No.	No. Truck- 12T- 1 No. Dozer- 150 Hp- 1 No. Tractor- 6 cum- 1 No.	
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Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

During the present inspection

Sl No.	Violation of Rules	
1	11(1), 31(4), 34A, 45(7) & 55(3)	

Date:

Name: Ibrahim Sharief

Designation: Dy. Controller of Mines

NORTH BLOCK:

Towards north east part of lease area the bauxite is underlain by laterite capping of avg. 1m thickness below this bauxite, aluminous laterite and fireclay occur in association. On the basis of existing pit-1 the lease area is proved for mineralization of laterite, bauxite, aluminous laterite and fireclay upto pit bottom 421MRL i.e. avg. 18m thickness.

Hence the 3.94ha area is considered under G-2 category of UNFC up to 421MRL i.e. avg. 18m thickness.

Recovery factor is considered to be

35% for Bauxite, 35% for aluminous laterite, 20% for fireclay and rest 10% is considered as waste (NORTH BLOCK) overlain by 1m thick laterite capping.

SOUTH BLOCK:

the presence of bauxite has also been observed in a small part, which is spread over an area of about 4500 m² to the south.

Here bauxite mineralization can be seen in pit-4. Since quartzite rock occurring all around the pit-4 and due to lack of exploration only 25m influence has been taken to mark bauxite zone on geological map upto the excavated depth of maximum 3m. same has been considered for the reserve estimation.

Recovery factor is considered to be 90% for Bauxite (SOUTH BLOCK)

Hence the 0.45ha area is considered under G-2 category of UNFC upto 441MRL i.e. avg. 3m thickness.