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MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KTN/LAT-15

Mine code : 07MPR18027

- (i) Name of the Inspecting : G007) RAGHUBIR SHARAN GARG
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Sharada Prasad Jaiswal, Lessee and
Official with
Designation
- (iv) Date of Inspection : 27-MAR-24
- (v) Prev.inspection date : 29-FEB-20

PART-I : GENERAL INFORMATION

1. (a) Mine Name : MOHLA
- (b) Registration NO. : IBM/10642/2012
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JABALPUR
Village : MOHLA
Taluka : SIHORA/PAUDA
Post office : BARGI
Pin Code :
FAX No. : N. A.
E-mail : shardaprasadjaiswal74@gmai.
Phone : 9754224632
- (f) Police Station :
- (g) First opening date : 08-APR-97
- (h) Weekly day of rest : WED
2. Address for : SHRI SHARDA PRASAD JAISWAL
correspondance P.O. JAITWARA, DIST. SATNA (M.P.) 485221
3. (a) Lease Number : MPR1569
- (b) Lease area : 5.9
- (c) Period of lease : 20
- (d) Date of Expiry : 26-FEB-17
4. Mineral worked : LATERITE Main
BAUXITE Associated
FIRECLAY Associated

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5. Name and Address of the

Lessee : SHARDA PRASAD JAISWAL
KAWASJEE WARD, LAKHERA P.O.
A.C.C. KATNI MADHYA
PRADESH
Phone:N. A.
FAX :N. A.

Owner : SHARDA PRASAD JAISWAL
KAWASJEE WARD, LAKHERA P.O.
A.C.C. KATNI MADHYA
PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06-JUN-03
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29-JUL-09
		Mining Scheme rule 12 MCDR1988	05-MAY-15
		MP modif under 17(3) MCR 2016	16-AUG-17

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Six no. of boreholes proposed against the year 2022-23	Exploratory boreholes not carried out.	Deviation pointed out through violation of rule 11(1) vide letter dated 04/04/2024
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Entire lease area explored under G1 level.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed, entire lease area explored under G1 level.	Not applicable as entire lease area already explored under G1 level.	-
1e	Balance reserve as on 01/04/20	As on 01/04/2023 111-422276MT 211-877009MT	As on 01/04/2023 111-456312MT 211-877009MT	Poduction of bauxite reported as Nil. For the deviation violation of rule 11(1) pointed out.
1f	General remarks of inspecting officers on geology, exploration etc			Entire mineralised area already explored under G1 level. Beside this additional exoploration was proposed which ihad not carried out by the lessee. Exoploration appears eessentyial as recovery of bauxite mineral from the proposed site were not reportyed by the lessee. Vuiviolation of rule 11(1) pointed out vide letter dated 04/04/2024.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It was proposed to work in the central part of the lease area.	As per proposal.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate banches in overburden and in mineral proposed	As per proposal	-
2c	Stripping ratio or ore to OB ratio	1:0.43	1:0.1	Insignificant l overburden reported.
2d	Quantity of topsoil generation in m3	Not proposed	Nil	-
2e	Quantity of overburden generation in m3	10193.8cum	Not reported	Violation pointed out.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	.	.	Proposed Pit has almost reached upto statutory barrier zone in all the three directions. Further deepening of pit is remains for the exploitation of mineral from the lease area.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	ROM Ore-189289.7MT Salable Ore -161766.4MT Bauxite-34036.8MT Laterite-109860MT IRECLAY-.MT	ROM Ore-0 MT Salable Ore -112360MT Bauxite-0 MT Laterite-0 MT IRECLAY-.MT	For deviation violation pointed out.

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3c	Recovery of sailable/usable mineral from ROM production	50% of ROM ore Bauxite 30% of ROM ore Fireclay and 20% of ROM ore low grade Laterite.	Production of cement grade laterite only reported .	Entire mineral roduced from the mibe during the year is reported as cement grade laterite. Matter discussed during inspection as it is related with envisaged recovery of different minerals. Deviation pointed out through violation of rule 11(1) vide letter dated 04/04/2024.
3d	Quantity of mineral reject generation	Not proposed.	Not reported.	-
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	Not applicable.	-
3f	Quantity of sub grade mineral generation.	Not proposed.	Not applicable.	-
3g	Grade of sub grade mineral generation	Not proposed.	Not applicable.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual as well as Mechanised	Manual as well as Mechanised	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not carried out.	-
3j	Provision of drilling and blasting in mineral benches	Not proposed.	Not applicable.	-
3k	Provision of mining machineries in mineral benches	1. Excavator 1.1cum 2 no. 2. Tipper 16cum 4 no. 3 Water pump 10hp 2no.	1. F.End Loader 1.2cum 2No. 2 Tipper 10 tonner 2 No. 3. Dozer 10 HP 2No. 4. W. Pumps 650L/minute 2 No.	Matter discussed about deployment of additional machinery dozer and response was found satisfactory.

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3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed overburden and mineral bench height 3.0m	As per approved proposal	-
3m	Total area covered under excavation/pits	3.2862hect	3.125hect	-
3n	Ore to OB ratio for the pit/mine during the year.	1:-0.45	1:0.1insignificant OB/Waste Generation	Insignificant OB/Waste Generation, Matter discussed in the field and deviation pointed out.
3o	Total area put in use under different heads at the end of year	5.879hect	5.879hect.	Almost entire lease area except a small portion is under utilisation . Beside this about 150mX70m area outside of the lease area is also occupied by dumps. At the time of inspection advise were rendered to put entire mineral stack/ dumps within lease area. Violation in this regard also issued through viuolation of rule 11(1) vide letter dated 04/04/2024.

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3p	Production of ROM mineral during the last five year period as applicable	2018-19=79977MT 2019-20=80000MT 2020-21=79988MT 2021-22=70494MT 2022-23=189289.7MT	2018-19=20000MT 2019-20=68120MT 2020-21=55000MT 2021-22=NA 2022-23=Nil	ROM production reported against the year 2022-23 is nil. Gradewise production of laterite is shown in AR, 2022-23 without ROM production during the year and opening balance of ROM ore at the beginning of the year. Anomaly observed in this regard has been pointed out through violation of rule 45(7) vide letter dated 04/04/2024.
3q	General remarks of inspecting officers on method of mining etc.			Adopted mechanised opencost mining with three meter bench heights in OB as well as in mineral is perfectly suitable for the deposit. Working pit has almost reached upto lease boundary lines in three direction. Thus there is scope for advancement in one direction or deepening of pit. Backfilling proposal of broken out statutory barrier zone of 7.5m is yet to be carried out, accordingly deviations pointed out through violation of rule 11(10) vide letter dated 04/04/2024.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed as there is no top soil and mineral reject. OB/mine waste proposed for making of bundhs.	As per proposal.	-
4b	Location of topsoil, OB and mineral reject dumps	Not proposed, as stated earlier.	Not applicable.	-
4c	Number of dumps within lease area and outside of lease area	Not proposed.	Not applicable in case of wih in lease area. There is a mineral mixed OB/mine waste dump spread over an area of 175mX70mX1-1.5m in Northern direction from the lease area.	For removal of OB dump violation of rule 11(10) pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	NA	-
4e	Number of active and alive dumps.	Not proposed.	NA	-
4f	Number of dead dumps.	Not proposed.	NA	-
4g	Number of dumps established.	Not proposed.	Not applicable.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	NA	-
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	NA	-
4j	Number of settling ponds	Not proposed	Nil	-
4k	Specific comments of inspecting officer on waste dump management			Entire lease area is under utilisation in the form of pit, mineral stack, infrastructure. A mine waste dump is found out side of the lease area for which violation of rule 11(1) pointed out.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Broken out 7.5m statutory barrier zone from where partly mineral extracted ,proposed for backfilling. Stage of full extraction of mineral not reached.	Proposed backfilling was not found carried out. Stage of full extraction of mineral not reached.	Deviation pointed out through violation of rule 11910 vide letter dated 04/04/2024.
5b	Area under backfilling of mined out area	0.1075hect.	Not carried out.	Deviation pointed out.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed as there is no top soil generation envisaged.	Not applicable.	-
5d	Total area fully reclaimed and rehabilitated	Not proposed.	NA	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling and reclamation work found not started.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed.	Submitted.	-
6b	Area available for rehabilitation (ha) .	Not proposed	NA	-
6c	afforestation done (ha).	0.1565HECT	0.085HECT	Proposed statutory barrier zone is not available for afforestation as backfilling of such statutory barrier zone had not completed yet.

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6d	No. of saplings planted during the year	450	300	70% survival rate.
6e	Cumulative no .of plants	450	300	A good no. of saplings have been planted out side of the lease area About area covered by such plantation covers an area of abouty 170mX 70m. health of planted trees are very good.
6f	Any other method of rehabilitation	Not proposed.	Not applicable.	-
6g	Cost incurred on watch and care during the year	Rs. 34000/-	Record not maintained. However, it may be said that such proposed amount had expend in maintenance of plantation carried out within as well as outside lease area plantation.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed.	NA	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	NA	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Not proposed	NA	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not applicable	-

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6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not applicable.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Not applicable	Afforestation proposed in statutory barrier zone only.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Not applicable.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Not applicable.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Records related with environmental monitoring were verified during inspection.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			MMining affected area is not reached at the level of reclamation and rehabilitation except degraded statutory barrier zone of 7.5m, part of which was supposed to be backfilled during the year under review but unfortunately backfilling work not yet commenced. Violation in this regard has been issued vide letter dated 04/04/2024.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch not proposed. Grade wise mineral dispatch- 34036.8MT Bauxite 17869.32MT Fireclay and 109860.3MT Laterite	ROM Mineral dispatch - Nil Gradewise Mineral dispatch- 20295MT Bauxite Cement Grade 68.48MT Fireclay and 57369.09MT laterite below 40%Al2O3	There are anomaly in dispatched quantity of graded laterite (below 40%Al2O3) and total quantity of laterite dispatched to different consignees. Deficiency pointed out through violation of rule 45(7) vide letter dated 04/04/2024.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual as well as mechanised.	As per proposal.	Potable screen is available with the lessee.
7c	Different grade of mineral sorted out at mines.	Not proposed.	Bauxite -Cement grade and Chemical Grade Laterite- Below 40% Al2O3	-
7d	Any beneficiation process at mines	Not proposed	NA	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no issues related with mineral consewrvation. Majore quantity of bauxite is also supplied to cement industry.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed as there is no top soil.	NA	-
8b	Concurrent use or storage of topsoil	Not proposed.	NA	-

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no mineral reject generation . Only OB/ Mine waste generation envisaged which is proposed for making of bund and backfilling of degraded statutory barrier zone.	Not applicable.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Not applicable as OB/Mine waste was proposed for backfilling degraded statutory barrier zone and partly for the preparation of bund. Backfilling of statutory barrier zone was not found. It is utilised for the preparation of bund.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	NA	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	450 saplings proposed for the year.	300no. of saplings planted during the year.	-
8g	Survival rate	80%	70%	-
8h	Water sprinkling on roads to control airborne dust	Proposed.	Evidences of water sprinklings were seen during inspection of the mine.	-

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Needs improvement. However, a good no. of plantation have been carried out in out side of the lease area in an area of 170mXabout 70m. Health of plants were seen very good.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submission of M.R. and AR	Monthly Return upto February, 2024 and Annual Return for the year 2022-23 found submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer- Shri J.L.Saraf and Geologist Shri Vinesh Agrahari	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i)Already exploited and aban. by O-C mining 0.00 (ii)Covered under current O-C Workings 3.125 (iii)Reclaimed-rehabilitated 0.011 (iv)Used for waste disposal 0.46 (v)Occupied by plant, buildings and roads 0.088	-
9d	Scrutiny of Annual return on afforestation	Given	300	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Nil	-

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	ROM Stock Nil Cement Grade Stock 45404MT Refractory Grade stock 4195.624MT Chemical Grade stock 2520.0MT	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Sale value Rs. 750/- cement grade Ex Mine Price i.Rs.758/20 Cem Gr ii.Rs.Not given Ref Gr iii. Chemical Grade -Not given Cost of productionRs.339/50	In Calculation of cost of production royalty of bauxite had not been considered. Anomaly pointed out through violation letter dated 04/04/2024.
9h	Scrutiny of Annual return on fixed assets	Given	Rs.4361553/-	-
9k	Scrutiny of Annual return on mining machineries	Given	FRONT END LOADER 1.2cum 2 DUMPER 16tonner 2 DOZER 10HP 2 WATER TANKER 5000 liter 1 PUMPS (ELEC.) 650liter / minute 1 PUMPS (NON-ELEC.) 650liter / minute 1	-

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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	04-APR-24			
MCDR17	Rule 31(4)	04-APR-24			
MCDR17	Rule 33	04-APR-24			
MCDR17	Rule 34(1)	04-APR-24			
MCDR17	Rule 45(7)(a)	04-APR-24			

Date :**(RAGHUBIR SHARAN GARG)**

Indian Bureau of Mines