

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : RAJ/UDP/CHINACLAY-5

Mine code : 32RAJ26006

- (i) Name of the Inspecting : **S012**) **H C SHARMA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sh. R. L. Tak, QP & Sh. Jai Shankar Gaur
Official with
Designation
- (iv) Date of Inspection : 23/02/2021
- (v) Prev.inspection date : 28/06/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BANSLIYA**
- (b) **Registration NO.** : **IBM/6829/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : UDAIPUR
Village : BANSLIYA
Taluka : GIRWA
Post office : ISWAL
Pin Code :
FAX No. : N A
E-mail : N A
Phone : 9414935745
- (f) Police Station :
- (g) First opening date : 11/07/1986
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE-BANSILIYA POST-ISWAL
correspondance : TEH-GIRWAL
DISTT-UDAIPUR
3. (a) Lease Number : RAJ1990
- (b) Lease area : 123.2
- (c) Period of lease : 20
- (d) Date of Expiry : 02/08/2004
4. Mineral worked : OCHRE Associated
CHINA CLAY Main
BAUXITE Associated

5. Name and Address of the

Lessee : Shiv Shakti Minerals
 BHILWARA RAJASTHAN
 Phone:
 FAX :

Owner : SARASWATI DEVI GAUR
 W/O Sh Jai Shankar Gaur, D-
 4, Nagori Garden, Bhilwara,
 State - Rajasthan. UDAIPUR
 RAJASTHAN
 Phone: 9414935745
 FAX : N A

Mining Engineer
 Name : R C DEVPURA, Part Time
 Qualification : B E (Mining)
 Appointment/ : 04/02/2011
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	08/12/1999
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	10/10/2006
		Mining Scheme rule 12 MCDR1988	15/12/2011
		Modif.of approved Mining Plan	04/12/2013
		MP review under 17(1) MCR 2016	01/08/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	7 DTH holes were proposed during earlier approved plan period.	No exploration carried Out.	
1b	Exploration over lease area for geological axis 1 or 2	Not specified	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself	Lessee himself	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1- 25.87 ha, G2- 34.25 ha	G1- 25.87 ha, G2- 34.25 ha	
1e	Balance reserve as on 01/04/20	Red ochre-7352774 China Clay-1765149 Bauxite-175104	Red ochre-7352774 China Clay-1765149 Bauxite-175104	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The Future exploration will add in reserves of Bauxite.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Three pits developed in Govt. Waste land in central part.	Three pits developed in Govt. Waste land in central part.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposed	Yes provided	
2c	Stripping ratio or ore to OB ratio	1:20	1:20	

2d	Quantity of topsoil generation in m3	No proposal	6 T
2e	Quantity of overburden generation in m3	2548 Cu M	2500 Cu M
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The opencast method has been adopted in the area.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Three	Three	
3b	Quantity of ROM mineral production proposed	61718.4 MT of china clay & Red Ochre.	No bauxite production proposed.	
3c	Recovery of sailable/usable mineral from ROM production	Inter-burden is 10% for Red Ochre and China Clay Where as 30% for Bauxite	90% red ochre and china clay recovered from ROM. No production of Bauxite	
3d	Quantity of mineral reject generation	5863.44 MT inter-burden during the year	5863.44 MT inter-burden during the year	
3e	Grade of mineral rejects generation and threshold value declared.	Not suitable for cement industry	Not suitable for cement industry	
3f	Quantity of sub grade mineral generation.	5428.8 MT	5400 MT	
3g	Grade of sub grade mineral generation	Off cement grade	Off cement grade	
3h	Manual / Mechanised method adopted for segregating from ROM	JCB, Dumper	JCB, Dumper deployed for the purpose	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	No proposal	Not applicable
3k	Provision of mining machineries in mineral benches	JCB, Dumper	JCB, Dumpers
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	1.9820 ha	2.1706 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:20	1:20
3o	Total area put in use under different heads at the end of year	Pit- 2.1706 H. Dumps-1.7327H. Mineral Stack Yard-0.8514H. Infrastructure -0.1021H. Roads-1.2470H.	Pit- 2.1706 H. Dumps-1.7327H. Mineral Stack Yard-0.8514H. Infrastructure-0.1021H. Roads-1.2470H.
3p	Production of ROM mineral during the last five year period as applicable	2018-19-- RO-33370.92 T, CClay-14699.88 T, Bauxite-1048.32 T, 2019-20-- RO-33988.68 T, CClay-14699.88 T, Bauxite-1058.4 T.	2018-19-- RO-12100 T, CClay-Nil , Bauxite-Nil, 2019-20-- RO-24600 T, CClay-6100T, Bauxite-Nil
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The opencast method adopted for carrying out mining operations. Bauxite production stated as Nil.

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	6 t of top soil collected and utilized in plantation	
4b	Location of topsoil, OB and mineral reject dumps	Top soil stored temporarily near boundary barrier	Top soil stored temporarily near boundary barrier	
4c	Number of dumps within lease area and outside of lease area	Within lease 4 dumps	Within lease 4 dumps	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are of temporary nature near pits	Dumps are of temporary nature near pits	
4e	Number of active and alive dumps.	4	4	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	8924 m garland drain	8924 m garland drain	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The dumping is done as proposed.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal	Not applicable	

5b	Area under backfilling of mined out area	No Proposal	Not applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Not applicable
5d	Total area fully reclaimed and rehabilitated	No Proposal	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	No matured land is available for backfilling & reclamation.

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).	Yes as per Rules	Not submitted.	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	0.2 hect(aprox)	0.2 hect(aprox)	
6d	No. of saplings planted during the year	100 nos	100 nos	
6e	Cumulative no .of plants	2500 nos	2500 nos	
6f	Any other method of rehabilitation	NO proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Rs. 60000/-	Rs. 60000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil
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.	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	100 nos	100 nos
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.2 ha	0.2 hect.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	None

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The violation of rule 26(2) is proposed to be issued for not submitting of annual compliance of PMCP proposals.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No bauxite production & despatch made so far.	No bauxite production & despatch made so far.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	
7d	Any beneficiation process at mines	Not applicable	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The bauxite of low grade in the area & no production of bauxite reported.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	6 t top soil generated	Utilized in plantation	
8b	Concurrent use or storage of topsoil	top soil collected & Utilized in plantation	6 t top soil collected & Utilized in plantation	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, stacked separately	7147.44 tonne dumped during the year 2019-20.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Stacked separately	Stacked separately
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not matured for restoration, reclamation and rehabilitation	Not matured for restoration, reclamation and rehabilitation
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 saplings were proposed during the year	100 saplings were planted during the year
8g	Survival rate	80 %	76%
8h	Water sprinkling on roads to control airborne dust	Yes	Yes Observed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty of area was satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	No M/R & A/R had been submitted so far.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The A/R has not been submitted.	Not applicable
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The A/R has not been submitted.	Not applicable
9d	Scrutiny of Annual return on afforestation	The A/R has not been submitted.	Not applicable
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The A/R has not been submitted.	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The A/R has not been submitted.	Not applicable
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The A/R has not been submitted.	Not applicable
9h	Scrutiny of Annual return on fixed assets	The A/R has not been submitted.	Not applicable
9k	Scrutiny of Annual return on mining machineries	The A/R has not been submitted.	Not applicable

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

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(H C SHARMA)

Indian Bureau of Mines