

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/NGR-20/LST-6

Mine code : 38RAJ20007

- (i) Name of the Inspecting : 26) Nishant kumar rao
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Deepak Kalla (Agent), Shri Deepak Kumawat (Mines Ma
Official with
Designation
- (iv) Date of Inspection : 03-DEC-24
- (v) Prev.inspection date : 11-SEP-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : DHANAPPA (400 HA)
- (b) **Registration NO.** : IBM/800/2012
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : NAGAUR
- Village : DHANAPPA
- Taluka : MERTA CITY
- Post office : GOTAN
- Pin Code : 342902
- FAX No. : 01591-230206
- E-mail : factory@jk-white.com
- Phone : 01591-230376
- (f) **Police Station** : Gotan
- (g) **First opening date** : 08-APR-74
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S J.K.WHITE CEMENT WORKS
Gotan, Tehsil- Merta City,
Disstt. NAGAUR
3. (a) **Lease Number** : RAJ0115
- (b) **Lease area** : 400
- (c) **Period of lease** :
- (d) **Date of Expiry** : 07-APR-34
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : J K WHITE CEMENT WORKS
 J K WHITE CEMENT WORKS
 POST-GOTAN NAGOUR NAGOUR
 RAJASTHAN
 Phone:
 FAX :

Owner : J.K. WHITE CEMENT WORKS
 NAGOUR RAJASTHAN
 Phone:
 FAX :

Agent : Rajeev Sharma
 J. K. White Cement works.
 Tehsil _Gotan, Disstt.
 Nagaur NAGOUR RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Bajrang Lal, Full Time
 Qualification : B. E. (Mining)
 Appointment/ : 29-JUN-10
 Termination date

Geologist

Name : Deep Kishore Saraswat, Full Time
 Qualification : M Sc Geology
 Appointment/ : 16-OCT-12
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	22-JUN-93
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25-JUL-00
		Mining Scheme rule 12 MCDR1988	28-MAR-05
		Mining Scheme rule 12 MCDR1988	31-MAY-10
		Renewal under rule 24 MCR1960	20-MAY-14
		MP review under 17(1) MCR 2016	27-FEB-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	No proposal	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil, Total lease area 400 hect. Explored at G1 level and out of which 272.14 hect area is mineralized and remaining 127.86 hect is non mineralized	
1e	Balance reserve as on 01/04/20	not specify	Reserve 11077373 Ton Resource 5354807 Ton	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	1A 10695 E-10786 E 9425 N- 9615 N 1B 10752 E-10856 E 9252 N- 9375 N 2A 10485 E-10663E 9600 N- 9800 N 10155 E-10210E 2B 9320 N-9455 N 10265 E-10355 E 3A & 3A1 9857 E-9935 E 10775N-10850 N 10340 E-10470 E 10135 N- 10360 N 3A2 9650 E-9810 E 10708 N-10780 N	1A 10695 E-10786 E 9425 N- 9615 N 1B 10752 E-10856 E 9252 N- 9375 N 2A 10485 E-10663E 9600 N- 9800 N 10155 E-10210E 2B 9320 N-9455 N 10265 E-10355 E 9010 N-9115 N 3A & 3A1 10340 E-10470 E 10135 N- 10360 N 3A2 9650 E-9810 E 10708 N-10780 N
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes
2c	Stripping ratio or ore to OB ratio	1:0.33	1:0.34,Ore(Ton) to OB(Ton) ratio Increased due to Low production of Limestone till March 2024 485715 Ton (OB-166160 ton & Mineral- 485715 ton)
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	66600	66464 M3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit no. 1A, 1B,2A, 2B,3A,3A1 & 3A2	Pit no. 1A, 1B,2A, 2B,3A, 3A1& 3A2	
3b	Quantity of ROM mineral production proposed	496949 Ton	485715 Ton	
3c	Recovery of sailable/usable mineral from ROM production	496949 Ton	485715 Ton	
3d	Quantity of mineral reject generation	na	na	
3e	Grade of mineral rejects generation and threshold value declared.	na	na	
3f	Quantity of sub grade mineral generation.	na	na	
3g	Grade of sub grade mineral generation	na	na	
3h	Manual / Mechanised method adopted for segregating from ROM	na	na	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	na	
3j	Provision of drilling and blasting in mineral benches	Deep hole blast in OB & short hole blast in Mineral benches	Deep hole blast in OB & short hole blast in Mineral benches	

3k	Provision of mining machineries in mineral benches	For Mineral Benches- Tractor mounted Compressor-3 Nos.,	For Mineral benches- Tractor mounted Compressor-3 Nos., Jack Hammer Drill-3Nos., Tata JD Breaker-1No., JCB Breaker-1No.
		Jack Hammer Drill-3 Nos., Tata JD Breaker-1No., JCB Breaker-1No	For Overburden Benches-
		For Overburden Benches-	L&T komastu-2 No. ,Tata Z-axis220-2 nos.,Wagon Drill Machine-2 No., Compressor ELGI-2 No.,
		L&T komastu-2No. , Tata Z-axis220-2nos,Wagon Drill Machine-2No., Compressor ELGI-2,	
		Dumpers-8 No. (Tata & Bharat Benz)	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 Mtr in OB bench 3 Mtr in L/S bench	6Mtr in OB bench 3Mtr in L/S bench
3m	Total area covered under excavation/pits	103.06 hect	111.93 hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33	1:0.34

3o	Total area put in use under different heads at the end of year	Pits= 103.06 ha, Tar road(Village Road)=1.45Ha, Mine Roads=2.6Ha, Mineral Mine stack=1.94Ha, Roads=2.6Ha, Infrastructure=0.54 Mineral stack=1.94Ha, Infrastructure =0.54 Waste dump area=17.96 ha Back filled=50.81Ha	Pits= 111.93 ha, Tar road(Village Road)=1.45Ha, Mine Roads=2.6Ha, Mineral Mine stack=1.94Ha, Infrastructure=0.54 Waste dump area=20.05 ha Back filled=56.33Ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19=485884 2019-20=487730 2020-21=490830 2021-22=491915 2022-23=492035 2023-24=496949	2018-19=473100 2019-20=431300 2020-21=450600 2021-22=482480 2022-23=453215 2023-24=485715	
3q	General remarks of inspecting officers on method of mining etc.			Deviation pointed out to lessee

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	The OB generated from the mines will be stacked in the mining pits in backfilled areas The top soil will be simultaneously utilized on the backfilled area before the plantation will be done	The overburden generated was used for back filling The top soil has been simultaneously utilized on the backfilled area for the plantation purpose.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil Location- NA Stacking of Waste in back filled area- BF-PIT 1A &1B 9130N-9185N 10446E-10654E PIT 2A & 2B 9844N- 9910N 10480E-10535E	No proposal of Top Soil utilized Stacking of Waste in back filled area- BF-PIT 1A &1B 9130N-9185N 10446E-10654E PIT 2A & 2B 9844N- 9910N 10480E-10535E
4c	Number of dumps within lease area and outside of lease area	5 Nos, within lease area	5 Nos, within lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	na	3 Nos dumps WD-2B,WD1A & WD-2C are locate inside the UPL and 2 Nos dumps WD-3B & WD-2A situated partially inside and outside of UPL
4e	Number of active and alive dumps.	nil	nil
4f	Number of dead dumps.	5 nos.	5 nos
4g	Number of dumps established.	3	3
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	no proposal	na
4j	Number of settling ponds	no proposal	nil

4k	Specific comments of inspecting officer on waste dump management	deviation point out to lessee
----	--	-------------------------------

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.	2023-24- Full extraction before backfilling	2023-24- Full extraction before backfilling	
5b	Area under backfilling of mined out area	2023-24 0.75 ha during the year & 50.81 ha Cumm. area	2023-24 1.21 ha during the year & Total 56.33 ha Cumm. Area B/F. 5.52 hect area increase considering actual drone survey data	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	nil	nil	
5d	Total area fully reclaimed and rehabilitated	nil	Plantation on back filled area= 3.026 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			nil

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

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 :

(Nishant kumar rao)

Indian Bureau of Mines