

**MCDR INSPECTION REPORT**

1) Name of Inspecting officer:	IBRAHIM SHARIEF
2) Designation	DCOM
3) Accompanying mine official with designation	Shri SK Sharma (VP & Agent-Mines), Shri SK Mahapatra (Sr.GM-Mines), Shri Onkar Ram (Geologist), Shri RP Singh (Surveyor)
4) Date of Inspection	18/10/2024

**Part-I: General**

S. N.	Particulars	Details
1	Name of the Mine	DEGARHAT DEVMAUDALDAL Limestone MINE
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	816.519 Hectares
3	Mine code	38MPR352733
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/720/2011
5	Name of the Lease, Address, Phone, email and fax number	M/s. Jaiprakash Associates Limited Phone no – 07662400700 jrp.mines@jalindia.co.in Fax- 01204609464
6	Village	Degarhat, Dev maudaldal
7	Taluka/Mandal	RAMPUR-BAGHELAN
8	District	SATANA
9	Pin code	485115
10	State	MADHYA PRADESH
11	Post Office	RAMPUR-BAGHELAN
12	Nearest Police Station	RAMPUR-BAGHELAN
13	Nearest Railway Station	Rewa
14	Date of Grant of Mining Lease	2/6/2003
15	Date of Execution	30/03.2005
16	Date of opening of Mine	22/12/2008
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 Bhuvan Madan, Resolution Professional & Nominated Owner M/s. Jaiprakash Associates Limited, A 927, Vasant Vihar, New Delhi-110057 <a href="mailto:jrp.mines@jalindia.co.in">jrp.mines@jalindia.co.in</a>
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. S. K. Sharma Phone No – 07662400700 e-mail – <a href="mailto:satyak.sharma@jalindia.co.in">satyak.sharma@jalindia.co.in</a> Date of appointment – 30/11/2021

22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri. S.P.Jaiswal Phone No – 07662400700 e-mail – <a href="mailto:Jrp.mines@jalindia.co.in">Jrp.mines@jalindia.co.in</a> Date of appointment – 1/08/2008
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri. S.P.Jaiswal Graduate in Mining Date of appointment - 01/08/2008
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri.Onkar Ram M.Sc. Geology Date of appointment – 21/12/2023
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Modification of approved Mining Plan with PMCP on 23.09.2022 for period from 2022-23 to 2025-26 (Running). Letter No MP/Satna/Limestone/MPLN/MOD22/2022-23/2538
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	31/07/2020
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Open-cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Captive

#### Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan	:	314(3)/2002MCCM(CZ)/MP/24 dated 28.05.2003
b) Letter No. and date of approval of mining scheme.	:	314(3)/2006-MCCM(CZ)/MP-3 dated 24.08.2006 314(3)/2012/MCCM(CZ)/MP/MS/PMCP-26 dated 18.04.2013 MP/satna/Limestone-124/14-15,dated 04.09.2015
c) Condition while approving the MP/ MS/ modification	:	In order to fulfil limestone requirement of cement plant(from 4.2MT to 6.0Mt per anum)
d) Period of mining plan/ mining scheme in force	:	2020-21 to 2024-25

#### PART III-MCDR Report details.

- Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

#### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	8	Nil	Violation was pointed out
1b	Exploration over lease area for Geological axis 1 or 2.	To be explored 27.19 Ha in to G1 scale	Nil	Violation was pointed out

1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee	Not carried out	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	27.19 Ha	Nil	Violation was pointed out
1e	Balance reserves as on 01.04.2024	50.409 Million tonnes	54.624 Million tonnes (as on 31.03.2024)	
1f	General remarks of Inspecting officer on geology, exploration etc.	The limestone deposit of the area is mainly of stromatolite type with a nodular look and belongs to the Nagod limestone formation of Bhandar series, sandwiched between the underlain simrawal/ganurgarh shales overlain by sirbu shales. The limestone bands of interest quality usually occur in two main horizons, namely upper grey Limestone & lower grey Limestone with a thickshale band in between. So for 452 ha area is explored in G1 scale and 27.19 Ha in G2 scale.		

## 2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 24° 35' 9.114 to N 24° 35' 2.616 and E81°8' 35.5776 to E81°8'32.0172	N 24° 35' 9.114 to N 24° 35' 2.616 and E81°8' 35.5776 to E81°8'32.0172	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes separate bench for Top Soil, OB and Mineral bench to be maintained	Yes Maintained	
2c	Stripping ratio or ore to OB ratio	1:1.61	1:0.00	Violation was pointed out
2d	Quantity of Topsoil generation in m <sup>3</sup>	166950	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	645216	0	Violation was pointed out
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Violation was pointed out for less development		

## 3. Exploitation

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Two pits	One pit	
3b	Quantity of ROM mineral production proposed	1001525	97479	

3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	NIL	
3e	Grade of mineral reject generation and threshold value declared	NA	NIL	
3f	Quantity of sub-grade mineral generation	NA	NIL	
3g	Grade of sub-grade mineral generation	NA	NIL	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NIL	
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting is proposed.	Drilling and Blasting is done in mineral bench.	
3k	Provision of mining machineries in mineral benches	Excavator-1.7 cum- 2 No. Dumper-25 T-12 No., Drilling machine-(100mm) -1 No. Dozer- 1 No.	Excavator-2.5 cum- 1, 1.8 cum No. Dumper-25 T-10 No., Drilling machine-(100mm) -1 No. Dozer- 1 No.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 8 mtrs bench height is suitable	Yes suitable	
3m	Total area covered under excavation /pits (Ha.)	32.51	9.66	
3n	Ore to OB ratio for the pit/mine during the year	1:1.61	1:0.00	
3o	Total area put in use under different heads at the end of year	38.516 Ha	12.51 Ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2020-21 852180 2021-22 999985 2022-23 1000003 2023-24 1001525 2024-25 1006608	2020-21 51434 2021-22 433081 2022-23 64167 2023-24 97479 2024-25 21907 (upto Nov 2024)	
3q	General remarks of inspecting officer on method of mining etc	Mining operations are being carried out by with fully mechanized method with deep hole drilling & Blasting by maintaining bench height of 8 meters.		

**4. Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, OB & mineral reject is proposed.	Separate dumping of topsoil, OB & mineral reject is being carried out as per proposal.	
4b	Location of topsoil, OB & mineral reject dumps	Dump Location N 24° 35' 5.5464 to N 24° 35' 12.9552 And E 81° 8' 27.042 E 81° 8' 30.0732	Part of the Dump is found outside lease area	
4c	Number of Dumps within lease area and outside lease area	01 nos.	01 nos.	Part of the dump is found outside the lease area, the same is communicated to State Government.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Dump Location N 24° 35' 5.5464 to N 24° 35' 12.9552 And E 81° 8' 27.042 E 81° 8' 30.0732	Dump Location Deviation is observed	-do-
4e	Number of Active & Alive dumps	1	1	
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 commends of inspecting officer on waste dump management	Violation was pointed out for dumping outside lease area		

**5. 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	Pit is not completely mined out for backfilling.	Pit is not completely mined out for backfilling.	
5b	Area under backfilling of mined out area	3.256 Ha.	Nil.	Violation pointed out

5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes.	Nil.	Violation pointed out
5d	Total area fully reclaimed & rehabilitated (Ha)	3.535	0.00	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling was not carried out as proposed, violation was pointed out in this regard		

### **6. 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). Details should be given in the format as given in Annexure-20	Annual report on PMCP submitted.	PMCP return is submitted.	
6b	Area available for rehabilitation (Ha)	No Proposal	Nil	
6c	Afforestation done (ha)	0.2 Ha	0.2	
6d	No. of saplings planted during the year	100	100	
6e	Cumulative no. of plants	15100	1300	
6f	Any other specific method of rehabilitation	No	No	
6g	Cost incurred on watch & care during the year	40000 INR	15077 INR	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	3.256	Nil	Violation pointed out
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	No Proposal	No	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	No Proposal	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	No Proposal	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	No Proposal	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Nil	

6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes, Quarterly monitoring of Air, water Noise is to be carry out	Complied.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation is being carried out to improve aesthetic beauty. Violation was pointed out for not carrying out reclamation		

### 7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM produced is to be dispatched	97501 T was dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	NA	
7c	Different grade of mineral sort out at mine	No Proposal	NA	
7d	Any beneficiation process at mines	No Proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Low grade is being used by blending with High Grade ore		

### 8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal and utilization of top soil is proposed.	No top soil generated during the year	
8b	Concurrent use or storage of topsoil	Top soil will be spread over backfilled area.	Nil.	(Pit is not matured for backfilling)
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock is proposed.	Separate dumps for overburden waste rock is maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden, waste rock generated during the year will be used for back filling purpose.	Nil	Violation pointed out
8e	Phased restoration, reclamation and rehabilitation of lands affected	Backfilling area – 3.256	Backfilling area – 0Ha.	Violation pointed out

	by mining operations (Pits, dumps etc)	Plantation area – 3.526	Plantation area – 0.2 Ha.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Existing plantation area – 3.585 Additional plantation area during the year – 0 Ha.	Existing plantation area – 0.2 Additional plantation area during the year – 0 Ha.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangements to be done to suppress the dust generated	Yes, Water sprinkling arrangements to be done to suppress the dust generated	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation is being carried out to improve aesthetic beauty		

### **9. Compliance of Rule 45**

<b>S.N.</b>	<b>Item</b>	<b>Comments</b>	<b>Remarks</b>
9a	Status of submission of monthly and Annual returns	Monthly Return and Annual returns are to be Submitted	Monthly Return & Annual Return are submitted on time.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	M.E & Manager : Shri S P Jaiswali Geologist: Onkar Ram	Mining Engineer and geologist employed for the lease
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit: 6.93 Ha Dump: 2.0 Ha Other (GD, RW): 1.19 Ha	Violation was pointed out for reporting less area
9d	Scrutiny of Annual return on afforestation	Actual- 2000Nos Survival rate- 85%	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM- 97501 T, Graded ore- Nil	Violation was pointed out as no such stack was observed in field
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Sale Value- Rs. 0.00 Ex Mine Price- & Cost of Production is Rs. 291.88/ tonne	Violation was pointed out for sale price is not reported
9i	Scrutiny of Annual return on	Total value of Fixed Assets Rs.	As reported by

	Fixed assets	564883898	lessee
9k	Scrutiny of Annual return on mining Machineries	Back Hoe-2, Tipper-12, Drill Machine- 01 Dozer- 01, Explosive Van-01, Water tanker-2	The said machineries are deployed in the mine

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

S.No	Violation Pointed out Under MCDR-2017	Date of Issue of VL	Compliance received	Date of Issue of SCN	Compliance received on for SCN
1	Rule 11(1)				
2	Rule 34A (2)				
3	Rule 45 (7)				

Date:

**Signature of inspecting Officer**

**(IBRAHIM SHARIEF)**