

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office

Mine code: 38MPR35328

(i)	Name of Inspecting officer	:	Shri Kathroju Naveen
(ii)	Designation	:	Sr. Asst. Controller of Mines
(iii)	Accompanying mine official with Designation	:	Shri Akhilesh J. Singh, VP (Mines) Shri Bharat Sahasrabudhe, AVP (Geology) Shri Nitya Kishor Dixit, DGM (Geology) Shri Dhananjaya Dash, Mines Manager
(iv)	Date of Inspection	:	18.01.2025
(v)	Previous Inspection date	:	13.03.2024

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Salaiya Limestone mine
	(b)	Registration Number	:	IBM/19577/2015
	(c)	Category	:	A, Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	M.P.
		District	:	Maihar
		Villages	:	Salaiya, Barroh, Deori & Kubri
		Taluka	:	Maihar
		Post Office	:	Ajwain
		Pin code	:	485772
		Fax	:	+9133 22884426
		email	:	maihar.mines@birlacorp.com
		Phone No	:	
	(f)	Police Station	:	Badera
	(g)	First Opening date	:	21.11.2014
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	459.566 Ha
	(b)	Period of lease	:	30 years (Executed on 06.03.2012 and Registered on 31.03.2012 which is valid up to 30.03.2042)
	(c)	Date of Expiry	:	30.03.2042
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	M/s. ROEVPL Ventures Private Ltd. (formerly known as Reliance Ornatus Enterprises and Ventures Private Limited) Registered Office : 502, Plot No 91/94, Prabhat Colony, Santa Cruz (East) Mumbai - 400055 Phone No. – 9329141072

			Main ID - mai.har.mines@birlacorp.com Fax- +9133 22884426
	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Suraj Gupta, Birla Corporation Limited 1, Shakespeare Sarani, A.C. Market, 2nd Floor Kolkata, West Bengal, 700071 Phone- 9575516371 suraj.gupta@birlacorp.com Date of appointment- 04.01.2023
	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Prahlad Kumar Choudhary RCCPL Pvt. Ltd. Village Bharauli, Post – Itahara Tehsil-Maihar, Dist. - Satna, M.P. Pin- 485773 pk.choudhary@birlacorp.com Date of appointment – 10.05.2023
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Mr. Dhananjay Dash Salaiya Limestone Mine P.O.-Ajwain, Tehsil; Maihar , Distt. Satna(M.P)-485772 ghananjaya.dash@birlacorp.com Mobile No. - 9329141072 Date of appointment – 16.05.2023
	Mining Engineer Name Qualification Date of Appointment	:	Mr. Dhananjay Dash B.E. Mining with FCC Date of appointment – 16.05.2023
	Geologist Name Qualification, Date of Appointment	:	Mr. Nitya Kishor Dixit M.Tech. (Applied Geology) Date of appointment – 01.07.2022
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	26.03.2021- Approval date of last Approved Review of Mining Plan (Plan period 2021-22 to 2025-26 with validity up to 31.03.2026)

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2021-22 - 5 2022-23 - 5 2023-24 -5	2021-22 – 09 (445 mtrs) 2022-23 – 02 (53 Mtrs) 2023-24 -Nil	A violation is pointed out under rule 11(1).
1b	Exploration over lease area for Geological axis 1 or 2	G1	G1 - 178 Holes (2870 Mtrs)	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	By company	
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as	36850679	41129143.98	

	on 01.04.2024			
1f	General remarks of Inspecting officer on geology, exploration etc.	Exploration has not been carried out as proposed against which the violation is issued under Rule 11(1).		

Development (2023 -24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit 1 24° 6 '37.0"N - 24° 6' 54.79"N 80°45'20.41"E- 80°45'31.43"E Pit 2 24° 6 '16.93"N - 24° 6' 40.78"N 80°45'23.32"E- 80°46' 0.86"E Pit 3 (Block -6) 24° 07 '25.22" N - 24° 07' 42.30"N 80°46' 36.84"E- 80°46' 49.53"E	Pit 1 24° 6 '38.15"N - 24° 6' 54.04"N 80°45'17.47"E- 80°45'31.89"E Pit 2 24° 6 '17.87"N - 24° 6' 40.90"N 80°45'22.92"E- 80°45' 57.14"E Pit 3 (Block -6) Nil	Deviation in the proposal violation is pointed out under Rule 11(1)
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Top Soil / OB - 1No. Mineral Bench - 1 Nos.	Top Soil / OB - 1No. Mineral Bench - 1 Nos	
2c	Stripping ratio or ore to OB ratio	1: 0.32	1: 0.014	
2d	Quantity of topsoil generation in m3	15500 Cub. Mtr.	455.42 Cub. Mtr.	
2e	Quantity of overburden generation in m3	293700 Cub. Mtr.	3343.86 Cub. Mtr.	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Top soil and OB has not been carried out as proposed against which violation is pointed out under Rule 11(1).		

3. Exploitation FY (2023-24)

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	02 Nos.	02 Nos.	
3b	Quantity of ROM mineral production proposed	1500000 tons	235059.95 tons	Production has not been achieved as proposed against which violation is pointed out under Rule 11(1).
3c	Recovery of Salable/usable minerals from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Mineral Reject – 18600M3	Mineral Reject – 00	
3f	Quantity of sub-grade mineral generation	Not proposed	NA	
3g	Grade of sub-grade mineral generation	Not proposed	NA	
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes as proposed	
3k	Provision of mining machineries in mineral benches	Yes	Yes as proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, as per given in Review of Mining Plan Height of Bench in OB is 1.5 Mtr. and Height of Bench in Mineral is 6.0 Mtr.	Height of Bench in OB is 1.5 Mtr. and Height of Bench in Mineral is 06 Mtr.	
3m	Total area covered under excavation /pits (Ha.)	93.39 Ha	58.80 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.32	1: 0.014	
3o	Total area put in use	105.85 Ha	80.01 Ha	

	under different heads at the end of year				
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	1260662 MT	1075032.45 MT	
		2020-21	1395659 MT	1096883.46 MT	
		2021-22	1500000 MT	1086228.71 MT	
		2022-23	1500000 MT	1269245.85 MT	
		2023-24	1500000MT	235059.95 MT	
3q	General remarks of inspecting officer on method of mining etc.	Production has not achieved against which the violation is pointed out under Rule 11(1).			

4. Solid Waste Management-Dumping (2023-24)

S.N .	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate Topsoil dump and waste dumps are proposed	Separate Topsoil dump and OB waste dumps are being made as per proposal.	
4b	Location of topsoil, OB & mineral reject dumps	Proposed backfilling in Back filling (Pit-1) & Back filling (Pit-2)	Back filling (Pit-1) & Back filling (Pit-2)	
4c	Number of Dumps within lease area and outside lease area	02 no. of dumps are proposed within Lease area.	01 dumps (Within Lease) No dump outside lease area.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of Active & Alive dumps	01	01	
4f	Number of dead dumps	01	01	
4g	Number of dumps established	Not proposed	NA	
4h	Whether Retaining wall or garland drain all along	Yes	Yes	

	dumps are there			
4i	Length of Retaining wall or garland drain all along dump	0	0	
4j	Number of settling ponds	Not proposed	NA	
4k	Specific comments of inspecting officer on waste dump management	Backfilling has not been done as proposed against which the violation is pointed out under Rule 11(1).		

5. Solid Waste Management-Backfilling (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposed	As per the proposal	
5b	Area under backfilling of mined out area	5.8 Ha	3.38 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Generated top soil simultaneously utilized in Back filling area.	Generated top soil simultaneously utilized in Back filling area.	
5d	Total area fully reclaimed & rehabilitated (Ha)	5.8	3.38	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been done as proposed against which the violation is pointed out under Rule 11(1).		

6. Progressive Mine Closure Plan (2023-24)

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	Yes	Yes, PMCP Report has been submitted on 22.06.2024	
6b	Area available for rehabilitation (Ha)	3.0 Ha	1.1 Ha	
6c	Afforestation done (ha)	4 Ha	1.1 Ha	
6d	No. of saplings planted during the year	8000	2500	Violation is pointed out under Rule 11(1).
6e	Cumulative no. of plants	37250	25825	

6f	Any other specific method of rehabilitation	None	None	
6g	Cost incurred on watch & care during the year	600000	467000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	230 m X 70 m X 4 m (Pit -1) 280 m X 61 m X 6 m (Pit -2)	200 m X 85 m X 2 m (Pit -1) 234 m X 85 m X 2.1 m (Pit -2)	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Void filled by waste material	Void filled by waste material as per proposal	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	5.8/3.0 Ha	3.38/ 1.1 Ha	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not proposed	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	NIL	NIL	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	1 Ha	1 Ha	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	1.5 Ha Method: Greenbelt development	10.16 Ha Method: Greenbelt development	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	By plantation	By plantation	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly report	Compliance done on quarterly basis	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Backfilling has not been done as proposed against which the violation is pointed out under Rule 11(1).		

7. Mineral Conservation (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Total ROM mineral is planned to dispatch	Total ROM mineral is being dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sort out at mine	None	None	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting			

	officer on Mineral conservation & beneficiation issues	
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8. Environment (2023-24)

S. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Generated top soil simultaneously utilized in Back filling area	Generated top soil simultaneously utilized in Back filling area	
8b	Concurrent use or storage of topsoil	Yes.	Yes	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	One Separate dumps have been proposed for overburden waste rock.	Complied	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	OB & waste rocks will be proposed to be used for backfilling.	OB & Mineral rejects will be used for backfilling and restore the mined-out area to its original position.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	As per approved mining plan	Complied as per proposal.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)			
8g	Survival rate	90%	90%	Gap Plantation
8h	Water sprinkling on roads to control airborne dust	Regular dust suppression is being done by water sprinkling arrangement in mine haul road, crusher area to control airborne dust.		
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	<u>Submitted</u>	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Dhananjay Dash, B.E. Date of Appointment: 16.05.2023 Geologist: Mr. Nitya Kishor Dixit, Date of Appointment: 01.07.2022	
9c	Scrutiny of Annual return on land use pattern for area	Area Covered Under O/C working 58.80 ha Reclaimed and rehabilitated 11.580 ha	

	under pits, reclaimed area, dumps etc.	Used for waste disposal 1.20ha Infrastructure 5.930 ha			
9d	Scrutiny of Annual return on afforestation	Within the lease 2500 Outside the lease 2200			
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil			
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Reported stock 14675.400			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Cost of production reported Rs.245.50/-			
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets ₹ 20,84,94,486/-			
9k	Scrutiny of Annual return on mining Machineries	Equipment	Capacity	Quantity	
		Back Hoe	2.000 CUM	1	
		Air Compressor	450.000 CUM/MN	1	
		Water Tanker	18,000.000 Litre	1	
		Tipper	14.000 CUM	10	
		Blast Host Drill	115.000 MM	1	

Kathroju Naveen
Sr. Assistant Controller of Mines