

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/PAL-48/LST-6

Mine code : 38RAJ21013

- (i) Name of the Inspecting : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Rajesh Bora, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 15/10/2024
- (v) Prev.inspection date : 27/11/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SINLA 492/93**
- (b) **Registration NO.** : **IBM/10630/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : PALI
Village : SINLA
Taluka : JAITARAN
Post office : NIMBOL
Pin Code :
FAX No. : -
E-mail : shruta.sanghavi@nuvoco.com
Phone : -
- (f) Police Station : JAITARAN
- (g) First opening date : 10/06/2015
- (h) Weekly day of rest : SUN
2. Address for : Equinox Business Park, Tower-3,
correspondance East Wing, 4th Floor, LBS Road,
Kurla (West) Mumbai-400070
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Nuvoco Vistas Corporation Limited
Equinox Business Park,
Tower-3, East Wing, 4th
Floor, LBS Road, Kurla
(West) Mumbai-400070 MUMBAI
(SUBURBAN) MAHARASHTRA
Phone:
FAX :

Owner : Jayakumar Krishnaswamy
Equinox Business
Park, Tower-3 East Wing, 4th
Floor, LBS Road Kurla
(West), Mumbai BEAWAR
RAJASTHAN
Phone:
FAX :

Agent : Lokesh Kumar Bahety
Nuvoco Vistas Corporation
Limited At & PO: Nimbol,
Tehsil: Jaitaran District:
Beawar, State: Rajasthan
BEAWAR RAJASTHAN
Phone:
FAX :

Mining Engineer

Name : GANPAT RAM, Full Time
Qualification : B E (MINING)
Appointment/ : 25/12/2023
Termination date

Mining Engineer

Name : SUNIL MENDIRATTA, Full Time
Qualification : BE MINING
Appointment/ : 01/07/2015
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 01/06/2015
MP modif under 17(3) MCR 2016 12/09/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2021-22 8 holes 740 meterage 2021-22 18 boreholes 1400 meterage TOTAL 26 Holes 2140 Meterage	2023-24 15 holes 550 meterage	
1b	Exploration over lease area for geological axis 1 or 2	G1 Axis 43.12 ha.	As above	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration Agency -Not specified in Mining Plan Expenditure-Not specified in Mining Plan	Exploration Agency - Ecomen Laboratories & Gems Consultant Expenditure INR 1622150/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 Axis 43.12 ha. G2 Axis 6.59 ha.	G1 Axis 43.12 ha.& 16.14 Million Tonne resources is under G-1 category G2 Axis 6.59 ha.& 1.08 Million Tonne resources will be converted into G-1 axis	
1e	Balance reserve as on 01/04/20	As on 01.04.2024 =14.379 Million Tonne	As above	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The present status on geology and exploration may be considered as satisfactory.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	2023-24 : 381971E-381910E 2914326N-2913960N	2023-24 : 381971E-382910E 2914326N-2913960N
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes
2c	Stripping ratio or ore to OB ratio	2023-24 : 1:0.51	2023-24 : 1:0.113
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	2023-24 : 304826 m3	2023-24 : 27503 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status on development of pit w.r.t type of deposit may be considered as satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One pit	Pit no. 2, 3 & 5 are merged now in a single pit.
3b	Quantity of ROM mineral production proposed	2023-24 : 600000 Tonnes	2023-24 : 241908 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100 %	As above	
3d	Quantity of mineral reject generation	No such proposal	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	No such proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No such proposal	Not applicable	

3g	Grade of sub grade mineral generation	No such proposal	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	As above
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	Yes	Yes, DTH Drilling Machines ICM 260 with hole diameter 115 mm
3k	Provision of mining machineries in mineral benches	Yes	Yes, TATA Hitachi 350 are deployed for loading with Volvo FMX 440 tipper for transportation of Limestone
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes, the height of benches in overburden and mineral are suitable for method of mining proposed.
3m	Total area covered under excavation/pits	At the end of plan period i.e. 2024-25 : 19.60 ha	2023-24 : 14.975 ha.
3n	Ore to OB ratio for the pit/mine during the year.	During the year 2023-24 : 1:0.51	2023-24 : 1:0.113
3o	Total area put in use under different heads at the end of year	At the end of plan period i.e. 2024-25 34.82 ha	2023-24 : 23.985 ha
3p	Production of ROM mineral during the last five year period as applicable	2021-22 0.55 MTPA 2022-23 0.60 MTPA 2023-24 0.60 MTPA	2021-22 0.003 MTPA 2022-23 0.013 MTPA 2023-24 0.242 MTPA

3q General remarks NA The present status on
of inspecting method of mining may be
officers on considered as
method of mining satisfactory.
etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil - No proposal OB -YES Mineral reject-No proposal	As above	
4b	Location of topsoil, OB and mineral reject dumps	2023-24 Top Soil Not in Proposal OB 382354E 382171E 2914315N 2914071N Within the lease area - 02 Outside the lease area - Nil	2023-24 Top Soil NA OB 382387E 382126E 2914423N 2914091N	
4c	Number of dumps within lease area and outside of lease area	Within the lease area - 02 Outside the lease area - Nil	Within the lease area - 02 Outside the lease area - Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Two dumps	Both dumps are within UPL.	
4e	Number of active and alive dumps.	One	As above	
4f	Number of dead dumps.	One	As above	

4g	Number of dumps established.	No such proposal during the year 2023-24.	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	As above
4i	Length of Retaining wall or garland drain all along dumps	No Proposal for retaining wall & garland drains during the year 2023-24.	No retaining wall / garland drain constructed during the year 2023-24
4j	Number of settling ponds	No such proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	The present status on waste dump management may be considered as satisfactory.

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.	Area Not Matured	Not applicable	
5b	Area under backfilling of mined out area	No such proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	Top soil whenever encountered utilized in plantation program.	
5d	Total area fully reclaimed and rehabilitated	No such proposal	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	Area not matured for the purpose of backfilling and 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	Carried out as per PMCP proposals report has been submitted with Annual Return	
6b	Area available for rehabilitation (ha) .	Nil	Not applicable	
6c	afforestation done (ha).	0.50 ha.	As above	
6d	No. of saplings planted during the year	500 nos.	As above.	
6e	Cumulative no .of plants	4100 Nos.	3647 Nos.	
6f	Any other method of rehabilitation	No such proposal	Not applicable	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal	Not applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	Not applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No such proposal	Not applicable	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.5 ha.	0.5 ha covered under afforestation program during the ye ar2023-24.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	Not aplicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, proposed	Monitoring of AAQ, Water & Noise are carried out quarterly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The present status on PMCP compliance and progressive closure operations may be considered as satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch	As above	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal	Not applicable	
7c	Different grade of mineral sorted out at mines.	No such proposal	Not applicable	

7d	Any beneficiation process at mines	No such proposal	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status on Mineral conservation may be considered as satisfactory.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes, whenever encountered removed separately.	
8b	Concurrent use or storage of topsoil	Yes	Top soil is used concurrently for plantation at mines periphery	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As above	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed plantation at end of year 2023-24 : 4100nos. Survival Required = 80%	Cummulative Plantation at end of year 2023-24 : 3647nos. Actual survival=80%	

8g	Survival rate	80%	As above
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on all dust generating points i.e. haul road, loading points	A water tanker is deployed in mines for water sprinkling on all dust generating points on regular basis.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines area may be considered as satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes, submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Shri Ganpat Ram Geologist- Shri Rushikesh Pimpalkar Mining Engineer- Shri. Sunil Mendiratta	Manager - Shri Ganpat Ram Mining Engineer- Shri. Sunil Mendiratta	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C working - 14.975 ha. Waste dump - 7.01 ha. Infrastructure & Roads - 2.000 ha.	As above	
9d	Scrutiny of Annual return on afforestation	Number of Tree planted during the year 2023-24 : 600 nos. Total no. of tree at the end of RY-24 : 3647 Nos.	As above	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Not applicable	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Production As above : 241908.380 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price = 529.71 Rs./MT Production cost = 529.71 Rs./MT Same as exmine price as captive consumption	The information furnished seems to be correct.
9h	Scrutiny of Annual return on fixed assets	Value of fixed Assets(Rs.) : At the begning of the year : Rs. 121054019, Net closing balance : Rs.112487920/-	Seems to be correct.
9k	Scrutiny of Annual return on mining machineries	BACK HOE : 2, TIPPER : 4, ROCK DRILL (NON -ELEC) : 1, DOZER : 1, WATER TANKER : 1, OTHERS(NON- ELEC.) :1	As above

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
MCDR17 Rule 11(1)	11/11/2024				
MCDR17 Rule 46(b)	11/11/2024				
MCDR17 Rule 55(1)(3)	11/11/2024				

Date :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines