

MCDR INSPECTION REPORT

I/31744/2024

General:

Sl. No.	Particulars	Details
1	Name of the Mine	Manpur Limestone Mine
2	Date of Inspection:	23.12.2023
3	Name of Inspecting Officer & Designation	Shri Soumallya Roy, AME
4	Name of official accompanying inspection	Shri Damrudhar Patel, Mine Agent
5	Last date of Inspection & Officer	15.10.2022, Shri D Upadhyay, Sr. ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total lease area 12.145 Ha.(Non-forest).
7	Mine code	38CHG09001
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/4800/2011
9	Name of the Lease, Address, Phone, email and fax number	M/s Jayaswal Neco Industries Ltd., F-8, MIDC Industrial Area, Hingna Road, Nagpur, Maharashtra, PIN Code- 440016 PH-07104/237276/237471 E-mail- mines.neco@gmail.com
10	Village	Manpur
11	Taluka/Mandal	Sahaspur- Lohara
12	District	Kabirdham
13	Pin code	491441
14	State	Chattisgarh
15	Post Office	Singhangarh
16	Nearest Police Station	Sahaspur-Lohara
17	Nearest Railway Station	Rajnandgaon
18	Date of Grant of Mining Lease	22.06.1999
19	Date of Execution	18.10.2000
20	Weekly day of rest	Sunday
21	Date of opening of Mine	25.09.2016(Re-opening of Mine)
22	Date of First Renewal, if applicable and its period & expiry	As per MMDR 2015 lease agreement period on 06.12.2018 for another 30 years which is valid up to 17.10.2050.
23	Date of Second Renewal, if applicable and its period & expiry	N.A
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Sangram Keshari Swain, Exdecutive Director, (Steel Plant Divison) Address- Siltara Growth Centre, Siltara, Raipur Chattisgarh-493111 E-mail- sangram.swain@necoindia.com
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Damrudhar Patel, M/s Jayaswal Neco Industries Ltd., Siltara-Raipur, Chattisgarh E-mail- damrudhar.patel@necoindia.com

27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Sanjay Kumar Sahu, M/s Jayaswal Neco Industries Ltd., Village-Manpur, Tehsil- Sahaspur Lohara, District- Kabirdham, E-mail- mines.manpur@necoindia.com
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Sanjay Kumar Sahu, M/s Jayaswal Neco Industries Ltd., Village-Manpur, Tehsil- Sahaspur Lohara, District- Kabirdham, E-mail- mines.manpur@necoindia.com
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017.	Yes. Shri Dinesh Kumar Kaiwart, Qualification-M.Tech(Geology), Experience-11 Years
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. RNG/LST/MPLN-609/NGP Nagpur dated 14/09/998, Proposal Period: 1998-99 to 2003-04. Modification of Mining Plan approved vide letter no. RNG/LST/MPLN- 609/NGP dated 18.01.2006, Proposal Period: 2005-06 to 2007-08. Modification of Mining Plan approved vide letter no. Kabirdham /LST/MPLN- 1132/2017-Raipur/911 dated 08.01.2018, Proposal Period: 2018-19 to 2022-23.
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining Review of Mining plan with five-year period and specific condition in approval letter, if any.	Review of Mining plan approved letter no: RPR/Kabirdham/LST/1345/RMP/2022-23, dated on 10/01/2023, Proposed period 2023- 24 to 2027-28
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Open Cast
34	Category (Fully Mechanized, Others or Manual)	Category A
35	Captive/Non-Captive	Captive Mine
36	Status of Financial Assurance	Rs. 1,870,000/- vide BG No. 0713623BG0000011 dated 05/01/2023 valid up to 31/03/2028.

Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

S. N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
1a	Backlog of previous year Proposals	Not proposed	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not mentioned in the approved document	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Nil	
1e	Balance reserves as on	As per Modification of	Balance reserves as on 01.04.2023:	

	01.04.2023	Mining Plan Under (111) 1.35 Millon Tonnes & Under (211) 3.704 Millon Tonnes	Under(111)-2932549.00 Tonnes Under (211) 3703300.00 Tonnes
1f	General remarks of Inspecting officer on geology, exploration etc.	Boreholes were not proposed during approved plan period. As per the approved document about 9.00 Ha lease area is explored under G1 level of exploration.	

2.0 Development:

S. N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	E 519649 to E519856 N 2403754 to N 2403860	E 519649 to E519856 N 2403754 to N 2403860	Development is carried out as per proposal.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	No overburden bench proposed. Mineral bench heigh- 6 m	As proposed.	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is carried out as per proposal.		

3.0 Exploitation:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	01 Pit	01	One pit
3b	Quantity of ROM mineral production proposed	97500.00 T	32243 T	RoM production consumed to its steel plant
3c	Recovery of Salable/usable mineral from ROM production.	97500.00 T	32243 T	
3d	Quantity of mineral reject generation.	Not proposed	Nil	There is no top soil /OB /mineral reject generated during the year.
3e	Grade of mineral reject generation and threshold value declared.	Not proposed	Nil	
3f	Quantity of sub-grade mineral generation	19500 T	Nil.	
3h	Manual/Mechanized method adopted for segregation from ROM.	Mechanized	Mechanized	
3i	Any analysis or beneficiation study	Not proposed	Not applicable	

	proposed & carried out for sub-grade mineral and reject.			
3j	Provision of drilling & blasting in mineral benches.	Drilling and Blasting is proposed.	Drilling and Blasting is carried out as per proposal.	
3k	Provision of mining machineries in mineral benches	Shovel and Dumper combination.	Shovel and Dumper combination.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height in Mineral proposed for 6 meters.	Maintained as per proposal .	Maintained as per proposal.
3m	Total area covered under excavation /pits	2.800Ha. up to end of plan period.	Approx 1.663 Ha. covered under pits.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	There is no top soil/ OB/ mineral reject generated.
3o	Total area put in use under different heads at the end of year	4.8624 Ha.	Pit-Approx 1.97 Ha. Others- Approx 0.913 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	95885 T (2018-19)	26826 T (2018-19)	
		97500 T (2019-20)	30858 T (2019-20)	
		97500 T (2020-21)	20080 T (2020-21)	
		97500 T (2021-22)	29778 T (2021-22)	
		97500 T (2022-23)	32243 T (2022-23)	
3q	General remarks of inspecting officer on method of mining etc	There is no top soil /OB/mineral reject generated during the year. The ROM production has been carried out from single pit as per proposal.		

4.0 Solid Waste Management-Dumping:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	There is no proposal of Dump, Top Soil & Mineral reject	Nil	There is no top soil/ OB/ Mineral reject generated during the year.
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Nil	
4c	Number of Dumps within lease area and outside lease area	No Proposal	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	
4e	Number of Active & Alive dumps	No Proposal	Nil	
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	Not proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management	There is no proposal of OB Dump and Top Soil as mineralization exposed from surface.		

5.0 Solid Waste Management-Backfilling:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Nil	There is no top soil and OB generation. Area is not matured for reclamation and rehabilitation. No area is mined out.
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area is not matured for backfilling.		

6.0 Progressive Mine Closer Plan:

S. N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	As per provision of MCDR 2017.	The annual report on PMCP is t submitted.	
6b	Management of worked/mined out benches	Not proposed	Nil	No area is mined out.
	Area available for rehabilitation (Ha)	Not proposed	Nil	
	Afforestation done (ha)	0.024 ha.	Approx 0.024 ha.	
	No. of saplings planted during the year	60 nos	150 Nos. plants have been planted within lease area.	
	Cumulative no. of plants	Not specified.	Cumulative no of plants 1160 within lease area.	
	Any other specific method of rehabilitation	Not proposed.	Nil	
	Cost incurred on watch & care during the year	Not specified.	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings	Rehabilitation by making water reservoir- 4.244 Ha. at the end of conceptual period.	No area is mined out.	No area is matured for backfilling.

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	Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	Not proposed	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environmental monitoring of air, water & noise proposed.	Environmental monitoring of air, water & noise was carried out as per the proposal.	All values of environment monitoring are within permissible limits.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Area is not matured for reclamation and rehabilitation. No area is mined out. Plantation is carried out as per proposal.		

7.0 Mineral Conservation:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	As per approved Document the ROM sorting by crushing and screening	The grade wise sorting has been done by Mechanized screening and crushing.	The grade wise sorting has been done by Mechanized screening and crushing.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Cement Grade- Avg. 42% CaO and MgO 3% on an average.	Cement Grade- Avg. 42% CaO and MgO 3% on an average.	
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The ROM sorting has been done by Mechanical Screening and crushing.		

8.0 Environment:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
8a.	Separate removal and utilization of topsoil (Rule32)	Not proposed.	N0 generation of topsoil.	.
8b.	Concurrent use or storage of topsoil	No proposal	Nil.	
8c.	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d.	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	

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8e.	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f.	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed @60 saplings/0.024 Ha. per year over non-mining zone towards western part of lease area.	About 1160No. saplings have been planted in safety zone area and over non mining zone towards western part of lease area in about 0.344 ha.	
8g.	Survival rate	Not proposed	Survival rate 25%	
8h.	Water sprinkling on roads to control airborne dust	proposed	Being done on regular basis.	
8i.	General remarks of inspecting officer on aesthetic beauty in and around mine area	There is no top soil and OB generation during the year.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted upto August 2023. AR submitted for 2022-23.		AR & MR submitted regularly.
SN	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager- Sanjay Kumar Sahu, Mining Engg.- Sanjay Kumar Sahu, Geologist- Dinesh Kumar Kaiwart	Employed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.663 Ha.	About 1.663 Ha.	
9d	Scrutiny of Annual return on afforestation	Within lease area 1160, Survival Rate 25%	Within lease area 1160, Survival Rate 25%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock- 648.090 T	ROM closing stock- 648.090 T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Production cost- Rs. 651.10/-	Production cost- Rs. 651.10/-	
9h	Scrutiny of Annual return on mining Machineries	Machineries furnished in AR.	Machineries observed.	

10. Details of violations observed during inspection-

No violation observed during inspection.

Signature:
Name: (S. Roy)
Designation: AME