

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Ampavalli Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	280.771 Hectares Forest land- NIL
3	Minecode	38ORI09006
4	IBM Registration Number under rule 45 of MCDR, 1988	4421
5	Name of the lessee, Address, phone, email and fax number	M/s OMC Limited, OMC House, Bhubaneswar – 751001. e-mail: planningcellomc@gmail.com
6	Village	Ampavalli
7	Taluka/Mandal	Pottangi
8	District	Koraput
9	Pincode	764039
10	State	Odisha
11	Post office	Pottangi
12	Nearest police station	Sunki
13	Nearest Railway station	Bobbili
14	Date of Grant of Mining Lease	16/08/1993
15	Date of Execution	16/08/1993
16	Date of opening of Mine	26/12/2014
17	Date of first Renewal, if applicable and its period & expiry	16/08/2013
18	Date of second Renewal, if applicable and its period & expiry	31/03/2043
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	24/01/2014
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Balwant Singh, IAS Managing Director IDC of Odisha Ltd., IDCOL HOUSE, Ashok Nagar, Unit-II, PB.No.78, Bhubaneswar-1 Phone:0674-2530898,2535824 Date of Appointment- 11.06.2021
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Kathi Pradhan South Zone, Barijhol, Rayagada-765001 Date of Appointment-15.03.2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Himanchala Acharya Ampavalli Limestone Mines, of I D C of Odisha Ltd. Ampavalli – 764039, Pottangi Tahsil, Koraput (Dist.), Odisha. D.O.A: 5/4/2017

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Himanchala Acharya Ampavalli Limestone Mines, of I D C of Odisha Ltd. Ampavalli – 764039, Pottangi Tahsil, Koraput (Dist.), Odisha D.O.A: 25/11/2018
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Pranab Kumar Saha, Msc Geology Date of Appointment: 06.05.2024
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	yes
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	BBS/KPT/LST/2194/RMP/22- 23 DATED 12.01.2023
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	A- OTFM
31	Captive/Non Captive	Non Captive

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 for 2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	74	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	22.69	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned specifically	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	180	180	
1e	Balance reserves as per latest approved document	82554184.00 (t)	82783524.75 (t)	
1f	General remarks of inspecting officer on geology, exploration etc.	The valley in and around Ampavalli represents a typical Easternghat terrain. The region exhibit rock types like Khondalite, Calc Granulite, Gneisses, Charnockite, Granite-Gneiss, basic intrusives, Quartz breccia, vein quartz, pegmatite (Syenitic). The general trend of the country rocks is along NE-SW direction dipping towards South east. The general trend of the country rocks of the M.L. area exhibit the strike along North 70 degree East South 70 degree West direction and dips varying from 30 degree to 50 degree towards SSE. There exists six (6) bands in the M.L. area namely Band-12, 16, 28, 29, 30 & 42. Out of these, Band-28, 29 & 30 have been explored in detailed by way of core drilling. The exploration as proposed not drilled.		

Development

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	Quarry- 2 N,S,W	Broadly within proposed area.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	30.17	23.80	
2d	Quantity of topsoil generation in m ³	48	48	
2e	Quantity of overburden generation in m ³	11600	5318	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	The development is broadly with in proposed area.		

EXPLOITATION

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	01 (Quarry-2)	01 (Quarry-2)	
3b	Quantity of ROM mineral production proposed	350008 mt	120667.250 mt	
3c	Recovery of salable/usable mineral from ROM production	336007 mt	120667.250 mt	
3d	Quantity of mineral reject generation	140000.32 mt	5908 mt	
3e	Grade of mineral reject generation and threshold value declared	34- 42 % Cao	34- 42 % Cao	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	115mm drill m/c used
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes		
3m	Total area covered under excavation/pits	15.382 (ha)	14.75(ha)	
3n	Ore to OB ratio for the pit/mine	30.17	23.80	

	during the year			
3o	Total area put in use under different heads at the end of year	23.451 (ha)	20.61(ha)	
3p	Production of ROM mineral during last six-year period, as applicable			
	2019-20	350132 Mt	167190.000 Mt	
	2020-21	350132 Mt	172345.000 Mt	
	2021-22	350132 Mt	183528.000 Mt	
	2022-23	350132 Mt	98200.000 Mt	
	2023-24	350008 Mt	120667.250 Mt	
3q	General remarks of inspecting officer on method of Mining	The method of mining is by opencast method by using deep hole drilling & Blasting and HEMM.		

Solid Waste management-Dumping

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	Yes	Yes	
4b	Location of topsoil, OB & mineral reject dumps	Top soil generation negligible, Dump1: 2035783N-20 35910N / 708 310E-708457 E,Dump2: 2035217N-20 35260N / 708 409E-708465 E	Broadly within proposed area.	
4c	Number of dumps within lease area and outside lease area	Two	Two	
4d	Location of dumps w.r.t. ultimate pit limit	Dump-1(Inactive) (2035783N-20 35910N / 708 310E-708457 E) Dump-2 (Active)(70844 9 E,2035241N)	Broadly within proposed area.	
4e	Number of active & alive dumps	1 and 1	Active dump-1 Dead dump-1	
4f	Number of dead dumps	1	1	
4g	Number of dumps stabilized	1	1	1.29 ha
4h	Whether Retaining wall or garland drain all along dumps are there	Proposal given	But retaining wall not constructed.	
4i	Length of Retaining wall or garland drain all along dump	50 m	Nil	
4j	Number of settling ponds	1	1	
4k	Specific comments of inspecting officer on waste dump management	There is no major dump but as per proposal retaining wall along dump not constructed.		

Solid Waste management-Backfilling

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	NA	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The area not matured for backfilling.		

Progressive Mine Closure Plan

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	YES	Not uploaded along with Annual return 2023-24.	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NIL	NIL	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NIL	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0.5 (ha) afforestation	0.5 (ha) afforestation	500 numbers of trees has been planted.

6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	One third party has done the Environmental Monitoring.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Broadly as per proposal.		

Mineral Conservation

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sales: 94800 mt		Limestone grade CaO more than 42%
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Through Excavator		34-42% CaO:Sub grade stack: 9033 mt
7c	Different grade of mineral sorted out at mines	yes	ROM of different grade blend to get desired grade.	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The ROM directly dispatch and different grade blend to get desired grade.		

Environment

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	48 cum	
8b	Concurrent use or storage of topsoil	Top soil generation proposal negligible	603 cum store in top soil dump	603 cum store in top soil dump
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional Plantation done	500nos proposed in 2023-24	6800 nos afforestation	
8h	Water sprinkling on roads to control airborne dust			
8i	General remarks of	During mine visit no adverse impact on aesthetic		

	inspecting officer on aesthetic beauty in and around mines area	beauty in and around mines area observed.
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Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto: August 2024 A.R. Submitted upto : 2023-24		
S.N.	Item	Details given in A.R. for the year 2022-23	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open pit: 14.795 Top soil: 0.02 OB dumping: 1.459 Mineral storage: 1.186 Infra:0.573 Roads:3.606	Total: 21.639 Hector	
9d	Scrutiny of Annual return on afforestation	500 nos	yes	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Sub grade stack: 9033 Mt		Generated 2023-24: 5908 Mt
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Production: 120667.250 Mt reported		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	sale value, Ex. Mine price & production cost Rs.730.28/-Tonne	Rs.730.28/-Tonne	
9i	Scrutiny of Annual return on fixed assets	Rs.6365631/-	Rs.6365631/-	
9k	Scrutiny of Annual return on mining machineries	Shovel: 02 nos Tipper: 05 nos., Air compressor 2 nos		

10. Drone Survey Information and data thereof.

Submitted on Drone Survey Management System Portal not submitted.