

MCDR INSPECTION REPORT

General:

Sl .No.	Particulars	Details
1	Name of the Mine	Badanji Limestone Mine
2	Date of Inspection:	25.11.2022
3	Name of Inspecting Officer	Shri S Roy, AME
4	Name of official accompanying inspection	Shri Deepak Sahu, Representative from mines owner
5	Last date of Inspection & Officer	06.12.2021
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area – 1.62 Ha. (Non-Forest Govt Land
7	Mine code	38CHG01010
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/9160/2012
9	Name of the Lessee, Address, Phone, email and fax number	
10	Village	Badanji
11	Taluka/Mandal	Lohandiguda
12	District	Bastar
13	Pin code	494001
14	State	Chhattisgarh
15	Post Office	Badanji
16	Nearest Police Station	Lohandiguda
17	Nearest Railway Station	Jagdapur
18	Date of Grant of Mining Lease	29/04/2003
19	Date of Execution	02/07/2003
20	Weekly day of rest	Sunday
21	Date of opening of Mine	02/07/2003
22	Date of First Renewal, if applicable and its period & expiry	As per section 8A of MMDR Amendment Act, 2015 the lease period has been extended up to 50 years.
23	Date of Second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	NA
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mining engineer not appointed.
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mining engineer not appointed
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Date of Approval of Modification of Mining Plan- vide letter No. BST/LST/MPLN-1122/2017-Raipur dated 24/11/2017 For Period – 2018-19 to 2022-23
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast Mining under 'B' Category (Manual)

34	Category (Fully Mechanized, Others or Manual)	'B' Category (Manual),
35	Captive/Non-Captive	Non Captive
36	Present EC Status	4620 T
37	Status of Financial Assurance	FA amount submitted as per rule and Validity – Upto 13/11/2022

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

1.0 Exploration:

S.N.	Item	Proposals (2021-22)	Actual Work(2021-22)	Remarks
1a	Backlog of previous year proposals	Not proposed	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Nil	As per approved document Under G1-1.116 Ha. And G2-0.504 Ha.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	No exploration proposed.	Nil	
1e	Balance reserves as on 01.04.2022	As per approved Review of mining Plan: Total Mineable Reserve(121 & 122)238171.60 Tonnes		Balance reserves as on 01.04.2022: 237800.66
1f	General remarks of Inspecting officer on geology, exploration etc.	No exploration was proposed during the year 2021-22.		

2.0 Development:

S.N.	Item	Proposals(2021-22)	Actual Work(2021-22)	Remarks
2a	Location of Development w.r.t. lease area	Centre part of lease area	As proposed.	As per proposal. Production is less due to lack of demand.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Top soil – Nil Mineral - 3.0 M	As proposed.	
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	No overburden generated during the year
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	No overburden generated during the year
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The production is less in comparison to proposal due to lack of market demand.		

3.0 Exploitation:

S.N.	Item	Proposals (2021-22)	Actual Work (202122)	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed in tonne	20000.02 T	371 T	Production is less due to lack of demand.
3c	Recovery of Salable/usable mineral from ROM production tonne	19000.02 T	100%	
3d	Quantity of mineral reject generation tonne	1000 T	Nil	No generation of mineral reject.
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting is proposed.	Done	
3k	Provision of mining machineries in mineral benches	Jack Hammer	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of Mineral – 3.0M.	As per proposal	
3m	Total area covered under excavation /pits	0.512 Ha up to end of Plan period.	Approx 0.60 Ha.	

3n	Ore to OB ratio for the pit/mine during the year	1:0.00	1:0.00	
3o	Total area put in use under different heads at the end of year	0.868 up to the plan period	Under pit approx. 0.60 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2017-18: 4620 T	2017-18: 870 T	
		2018-19:20000.02 T	2018-19: Nil	
		2019-20: 20000.02 T	2019-20: Nil	
		2020-21: 20000.02 T	2020-21:1210 T	
		2021-22: 20000.02 T	2021-22:371 T	
3q	General remarks of inspecting officer on method of mining etc.	Production is less due to lack of demand.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	No proposal given in approved document.	Nil	No top soil generated during the year.
4b	Location of topsoil, OB & mineral reject dumps	Along the lease boundry.	Nil	No top soil, OB generated during the year.
4c	Number of dumps within lease area and outside lease area	NA	NA	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	In 7.5 m barrier zone	Nil	No top soil, OB generated during the year.
4e	Number of Active & Alive dumps	NA	NA	No top soil, OB generated during the year.
4f	Number of dead dumps	NA	NA	
4g	Number of dumps established	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Nil	No top soil, OB generated during the year.
4i	Length of Retaining wall or garland drain all along dump	Not mentioned	Nil	
4j	Number of settling ponds	NA	NA	
4k	Specific commends of inspecting officer on waste dump management	No top soil, OB and mineral reject generated during the year.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed.	NIL	Area is not matured for reclamation and rehabilitation.
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 reclamation and rehabilitation.		

6.0 Progressive Mine Closer Plan:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2).	As per provision of MCDR 2017.	Submitted.	
6b	Management of worked/mined out benches			
	Area available for rehabilitation (Ha)	Nil	Nil	Area is not matured for reclamation and rehabilitation.
	Afforestation done (ha)	Nil	Nil	
	No. of saplings planted during the year	Nil	Nil	
	Cumulative no. of plants	Nil	Nil	
	Any other specific method of rehabilitation	Nil	Nil	
	Cost incurred on watch & care during the year	Nil	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D)	Nil	Nil	

	Void filled by waste/tailings 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	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed.	Done	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Area is not matured for reclamation and rehabilitation.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Total ROM Dispatched.	ROM Mineral Dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sort out at mine	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Total RoM mineral dispatch. No beneficiation process adopted.		

8.0 Environment:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No topsoil generated during the year.
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	Nil	No OB generated during the year.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	No OB generated during the year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Area is not matured for reclamation and rehabilitation
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed 25 No.		
8g	Survival rate	Not specified	Within lease area 50 No.	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mines area is maintained.		

9.0 Compliance of Rule 45:

S.N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to November 2022	AR submitted up to for the year 2021-22	AR & MR submitted regularly.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist employment is furnished.	Geologist employment is furnished	Geologist employment is furnished
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern furnished in AR.	Land use pattern furnished in AR.	Land use pattern furnished in AR.
9d	Scrutiny of Annual return on afforestation	50 No. of plantation.	50 No. of plantation.	50 No. of plantation.
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock-1186.400 T	ROM closing stock-1186.400 T	Furnished in AR

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price Rs per tonne 327.50 /-	Ex. Mine price Rs per tonne 327.50 /-	Furnished in AR
9i	Scrutiny of Annual return on Fixed assets	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining Machineries	Furnished in AR	Furnished in AR	Furnished in AR

10.0- Details of violations observed during inspection.

Mine operation was suspended vide this office letter of even no. dated 27.07.2023 .

Date: 31/7/2023

Signature:
Name: Soumallya Roy
Designation: Assistant Mining Engineer