

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

**Mine code: 38MPR18025**

**General Information**

S.N	Particulars	Details
1	Name of the Mine	Badari Limestone mine
	Date of Inspection:	04/10/2024
	Name of Inspecting Officer	Shri. Kathroju Naveen, Sr.ACOM
1a	Accompanying Mine Officials	Shri. Arvind Jade Head Mines Shri. Venkateswarlu S T K K S Geologist
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total land-5.76 Ha Forest land-0 ha Non forest land-5.76ha
3	Mine code	38MPR18025
4	IBM Registration Number under rule 45 of MCDR,1988	256
5	Name of the Lease, Address, Phone, email and fax number	M/s. ACC Limited Adani Corporate House , Shantigram Near Vaishnodevi Circle, Ahmedabad , Gujarat, Pincode: 382431
6	Village	Badari
7	Taluka/Mandal	Vijayaraghavagarh
8	District	Katni
9	Pin code	483880
10	State	Madhya Pradesh
11	Post Office	Kymore
12	Nearest Police Station	Kymore
13	Nearest Railway Station	Katni
14	Date of Grant of Mining Lease	03/04/1978
15	Date of Execution	03/04/1978
16	Date of opening of Mine	03/04/1978
17	Date of First Renewal, if applicable and its period & expiry	03/04/1998
18	Date of Second Renewal, if applicable and its period & expiry	03/04/2018
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr Ajay Kapur Ph No- 02267973967 Date of Appointment:03-12-2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr Vaibhav Dixit Ph No- 7781019970 Date of Appointment: 03-11-2022
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Deepak Kumar, Diploma in Mining and Mine surveying ACC Limited, Kymore cement works, Kymore

		Date of appointment: 16-09-2024
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Pushpendra Nagar, ACC Limited, Kymore cement works, Kymore  Date of appointment:07-02-2022
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	N.Pavan Kumar, M.Sc Tech Applied Geology Date of appointment:17.11.2021
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	No. MP/Katni/Limestone/RMP-54/2022-23 Dt : 06/12/2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	There is no Modification of Mining plans submitted only ROMP approved
27	Mineral(s) granted in lease and approved for Mining	Limestone& Dolomite
28	Method of Mining (Opencast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
30	Captive/Non-Captive	captive

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	No back logs for the previous year
1b	Exploration over lease area for Geological axis 1 or 2.	3 borehole proposed with 110 mtrs	3 bore holes completed with 110 mtrs	To comply the ROMP condition exploration carried out.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Mot proposed	M/S Geo Environmental services.  Expenditure: Rs. 1,91,400/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire area proposed to bring under G1 level.	Explored in G1 Level	
1e	Balance reserves as on 01.04.2024	25,59,597 T	25,77,778 T	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Mining Plan the reserves available as on 01.09.2022 were 2609585.00 T out of which it was proposed to produce 49988 T against which the reserves depleted were 31807 T hence the available reserves as on 01/04/2024		

### Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 456501 to N 456630 and E 2657999 to E 2658081	The deviation in the proposed location	Violation is pointed out under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Not proposed	NA	
2c	Stripping ratio or ore to OB ratio	Not proposed	NA	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	Not proposed	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The top soil and the ob excavation proposals not furnished for the Reporting Year.		

### Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed (2023-24)	49950 T	31807	Violation pointed out under Rule 11(1).
3c	Recovery of Salable/usable mineral from ROM production		31807	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Nil	
3f	Quantity of sub-grade mineral generation	Not proposed	Nil	
3g	Grade of sub-grade mineral generation	Not proposed	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	Nil	
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	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	yes	provided
3l	Whether height of benches in overburden and mineral suitable for method of mining	Proposed	As per the proposal.	

	proposed in MP/SOM			
3m	Total area covered under excavation /pits	Current workings:5.43 Dumps;0.33	Current workings:5.43 Dumps;0.33	
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	NA	
3o	Total area put in use under different heads at the end of year	Current working-5.43ha Area under dumps-0.33ha	Current working-5.43 ha Area under dumps-0.33ha	
3p	Production of ROM mineral during last five-years period, as Applicable in lakh tonnes	2018-19	31850	31424
		2019-20	50000	38423.98
		2020-21	49613	36081.8
		2021-22	49938	2145.6
		2022-23	49988	49399.4
3q	General remarks of inspecting officer on method of mining etc	Workings have not been proposed in the OB for the Reporting Year and less production achieved against the proposed for which the violation is pointed out Under 11(1).		

#### **Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	No proposal given	No proposal given	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of Dumps within lease area and outside lease area	02 Soil dumps present n the lease	02 Soil dumps present n the lease	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Nil	
4e	Number of Active & Alive dumps	Not proposed	Nil	
4f	Number of dead dumps	Not proposed	Nil	
4g	Number of dumps established	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
4j	Number of settling ponds	Not proposed	NA	
4k	Specific commends of inspecting officer on waste dump management	Waste Dumping has not been proposed in the said lease during the Reporting Year as there are no proposals for the excavation of waste material.		

#### **Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual Work	Remarks
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5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NA	
5b	Area under backfilling of mined out area	Not proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been proposed in the said mine for the reporting year.		

**Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Yes	Submitted	Submitted along with annual return G1
6b	Management of worked/mined out benches	Not proposed	NA	
	Area available for rehabilitation (Ha)	Not proposed	NA	There is no rehabilitation proposal because of mine is under working
	Afforestation done (ha)	Not proposed	NA	
	No.of saplings planted during the year	Not proposed	NA	
	Cumulative no. of plants	Not proposed	NA	
	Any other specific method of rehabilitation	Not proposed	NA	
	Cost incurred on watch & care during the year	Not proposed	NA	
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	Not proposed	NA	No reclamation done during the plan period

6d	Compliance of Rehabilitation of waste land within lease Afforestation Area rehabilitation Method of rehabilitation	Not proposed	NA	There is no rehabilitation proposal during the year
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	There are no PMCP proposals furnished for the Reporting year.		

### **Mineral Conservation**

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Not proposed	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	NA	
7c	Different grade of mineral sort out at mine	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Grade wise sorting not proposed in the said mining lease area.		

### **Environment**

S.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not proposed	NA	
8b	Concurrent use or storage of topsoil	Not proposed	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	300	300	
8g	Survival rate	Not proposed	NA	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

**Compliance of Rule 45**

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly return and Annual Return are Submitted	Monthly return and Annual Return are Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Mr Pushpendra Nagar Geologist in charge : Mr Pavan kumar N	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 5.430 ha. Used for waste disposal 0.330 ha	
9d	Scrutiny of Annual return on afforestation	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Production cost 343.97 rupees.	
9i	Scrutiny of Annual return on Fixed assets	1. Value of Fixed Assets* ₹ 3080351/-	
9k	Scrutiny of Annual return on mining Machineries	BACK HOE 2.80 Cu.m 01 DUMPER 40t 02 BLAST HOST DRILL 115.000 MM 01	Mining machinery are maintained by Mechanical Engineer and scrutiny done by Mining Engineer

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	<b>11(1)</b>	17/10/2024	--	--	--
02	<b>45(7)</b>	17/10/2024	--	--	--

**Kathroju Naveen**  
**Senior Assistant Controller of Mines**