

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-115

Mine code : 38MPR18074

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07-OCT-20
- (v) Prev.inspection date : 27-NOV-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BADARI LIMESTONE (1.121HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : BADARI
Taluka : VIJAYRAGHAVGARH
Post office : KAYMORE
Pin Code : 483880
FAX No. : N. A.
E-mail : snsktkn@sancharnet.in
Phone : 07622- 221976, 222304
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : THU
2. Address for : ACC Limited
correspondance : P.O. KYMORE, VIA JUKEHI
DIST. KATNI (M.P.) 483501
3. (a) Lease Number : MPR0265
(b) Lease area : 1.12
(c) Period of lease : 20
(d) Date of Expiry : 27-MAY-17
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ACC Limited
P.O. KYMORE VIA JUKEHI
KATNI MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : ACC Limited
P.O. KYMORE VIA JUKEHI
KATNI MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	12-AUG-04
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	07-MAR-13
		Mining Scheme rule 12 MCDR1988	12-SEP-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	The Entire lease area has been explored upto G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	80324 tonnes	88324 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The working proposed to be done in depth and the 340 m RL bench will be advanced towards south and west.	carried out as per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	as per proposal	
2c	Stripping ratio or ore to OB ratio	nil	1:0.23	

2d	Quantity of topsoil generation in m3	nil	nil	
2e	Quantity of overburden generation in m3	nil	1904 m3	violation pointed out
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	28750 tonnes	20749.38 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is to used in Cement plant	Entire ROM is used in Cement plant	
3d	Quantity of mineral reject generation	Nil	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
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	No segregation proposed.	No segregation done	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposed	not done
3j	Provision of drilling and blasting in mineral benches	proposed	as per proposal
3k	Provision of mining machineries in mineral benches	proposed	as per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Height is suitable for the mining method proposed
3m	Total area covered under excavation/pits	1.121	Covered under current (O/C) Workings 1.121
3n	Ore to OB ratio for the pit/mine during the year.	nil	1:0.23
3o	Total area put in use under different heads at the end of year	1.121	1.121
3p	Production of ROM mineral during the last five year period as applicable	2015-16 22500 2016-17 30937 2017-18 46800 2018-19 28437 2019-20 28750	2015-16 5934.8 2016-17 20005.11 2017-18 13052 2018-19 19111.34 2019-20 20749.38
3q	General remarks of inspecting officers on method of mining etc.		

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	no proposal	Nil
4b	Location of topsoil, OB and mineral reject dumps	not proposed	None exists
4c	Number of dumps within lease area and outside of lease area	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA
4e	Number of active and alive dumps.	NA	NA
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	Not proposed	Nil
4k	Specific comments of inspecting officer on waste dump management		

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.	Nil	area not mined out fully to carry backfilling
5b	Area under backfilling of mined out area	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	yes	not submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha) .	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	

6f	Any other method of rehabilitation	NIL	NIL
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 (L x B x D	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	not proposed	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NA	NA

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	carried out
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM is proposed to be dispatched	ROM is dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	not done	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	Not proposed	The entire limestone mineral is used in the Cement plant.	

7e General remarks
of inspecting
officer on
Mineral
conservation and
beneficiation
issues

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	not proposed	nil	No top soil exists in the lease area.
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	not done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No plantation exists in the lease area.	Nil	

8g	Survival rate	NA	NA
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 mines area		

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	AR submitted till 2019-20 MR submitted till March 2021	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	Manager Mr Manish Kumar Upadhayay Mining Engineer in charge Mr Dhruv Chaturvedi Geologist in charge Mr Nihar Ranjan Tripathy	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Covered under current (O/C) Workings- 1.121ha	
9d	Scrutiny of Annual return on afforestation	yes	Number of trees planted during the year - 100 nos outside lease area	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	nil	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	ex mine price of cement grade limestone is 214.91
9h	Scrutiny of Annual return on fixed assets	yes	nil
9k	Scrutiny of Annual return on mining machineries	yes	CRUSHER 350.000 T/H 1 Electrical Opencast BLAST HOLE DRILL (ELEC.) 115.000 MM 1 Non Electrical Opencast BACK HOE 2.800 CUM 2 Non Electrical Opencast CONVEYOR (ELEC.) 400.000 T/H 1 Electrical Opencast DUMPER 40.000 TONNE 2 Non Electrical Opencast DUMPER 50.000 TONNE 6 Non Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 2.800 CUM 1 Non Electrical Opencast DOZER 320.000 HP 1 Non Electrical Opencast BACK HOE 3.800 CUM 1 Non Electrical Opencast

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)	07-OCT-20	07-DEC-20				
MCDR17	Rule 26(2)	07-OCT-20	07-DEC-20				
MCDR17	Rule 33	07-OCT-20	07-DEC-20				
MCDR17	Rule 35(2)	07-OCT-20	07-DEC-20				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines