

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-165

Mine code : 38MPR18102

- (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 : 28-NOV-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BADARI**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : BADARI
Taluka : V.GARH
Post office :
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 07-NOV-90
- (h) Weekly day of rest : SUN
2. Address for : M/S ACC Limited
correspondance : P.O. KYMORE, VIA. JUKEHI,
DIST KATNI (M.P.) 483501
3. (a) Lease Number : MPR0004
- (b) Lease area : 1.09
- (c) Period of lease : 20
- (d) Date of Expiry : 30-OCT-10
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	17-DEC-96
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	28-AUG-08
		Renewal under rule 24 MCR1960	07-MAR-13
		Mining Scheme rule 12 MCDR1988	20-JUL-15
		MP review under 17(1) MCR 2016	01-JUL-20

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 of 1.09 hect has already proved under G1 category.	
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	proposed	295801 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	working proposed in the south and central part of the lease	working proposed in the south and central part of the lease	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	As per proposal	
2c	Stripping ratio or ore to OB ratio	Nil	1:0.36	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	Nil	10722 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 no	01 no	
3b	Quantity of ROM mineral production proposed	59908 tonnes	29836.18 tonnes	violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is used in the Cement plant	Entire ROM is used in the 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	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No segregation of ROM proposed	Not done	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None proposed	None carried out
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed in mineral benches	As per proposal
3k	Provision of mining machineries in mineral benches	yes	as per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	found suitable for proposed mining method
3m	Total area covered under excavation/pits	1.02 ha	0.863 ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	1:0.36
3o	Total area put in use under different heads at the end of year	1.093 ha	1.093 ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16 59063 2016-17 59990 2017-18 59993 2018-19 59908 2019-20 59908	2015-16 0.00 2016-17 20001.2 2017-18 50062 2018-19 37637.62 2019-20 29836.18
3q	General remarks of inspecting officers on method of mining etc.		

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No separate dumping of topsoil OB and mineral reject proposed	The generated dump is used in backfilling	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	One dump on the north of the lease	One dump exists on the north of the lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within the ultimate pit limit.	within the ultimate pit limit.	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Not found	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No mined out area proposed to be generated	No mined out area generated. However it was proposed to backfill the western portion of the lease boundary in the 7.5 meter barrier zone.
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)	not proposed	no top soil generated
5d	Total area fully reclaimed and rehabilitated	yes	Reclaimed/Rehabilitated 0.070
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	violation pointed out
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha) .	Nil	Nil	
6d	No. of saplings planted during the year	NA	NA	
6e	Cumulative no .of plants	NA	NA	

6f	Any other method of rehabilitation	None	None
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 ($L \times B \times D$	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	Nil	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	Nil	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	as per proposal
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 from the lease	ROM is dispatched from the lease	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposed.	No sorting carried out.	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	Nil	Nil	

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)	Nil	Nil	
8b	Concurrent use or storage of topsoil	not proposed	no top soil generated	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	not proposed	not carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	as per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	as per proposal	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	not proposed	not available	

8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Yes	carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty of the area is good and well maintained.

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 Manish Kumar Upadhayay Mining Engineer in charge Manoj Wasule Geologist in charge Balbir Singh Rawat	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Covered under current (O/C) Workings 0.793 Reclaimed/Rehabilitated 0.070 Used for waste disposal 0.230	
9d	Scrutiny of Annual return on afforestation	yes	200 nos planted 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 is rupees-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 CONVEYOR (ELEC.) 400.000 T/H 1 Electrical Opencast DOZER 320.000 HP 1 Non 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 SHOVEL (MECHANICAL) 3.800 CUM 1 Non Electrical Opencast BACK HOE 2.800 CUM 2 Non Electrical Opencas

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)	22-OCT-20	07-DEC-20				
MCDR17	Rule 26(2)	22-OCT-20	07-DEC-20				
MCDR17	Rule 33	22-OCT-20	07-DEC-20				
MCDR17	Rule 35(2)	22-OCT-20	07-DEC-20				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines