

**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 : **SQ05** ) **DEEPAK SHARMA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Manish Kumar Upadhayay-Manager, Manoj Wasule-Mining E  
Official with  
Designation
- (iv) Date of Inspection : 28-NOV-19
- (v) Prev.inspection date : 06-DEC-17

**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

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NO EXPLORATION WAS PROPOSED	NO EXPLORATION DONE	
1b	Exploration over lease area for geological axis 1 or 2	ENTIRE AREA EXPLORED UPTO G1 LEVEL	ENTIRE AREA EXPLORED UPTO G1 LEVEL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NOT PROPOSED	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	ENTIRE LEASE AREA EXPLORED UPTO G1 LEVEL	ENTIRE LEASE AREA EXPLORED UPTO G1 LEVEL	
1e	Balance reserve as on 01/04/20	01.04.2015 111-0.423338 221-0.313087	AS ON 01.04.2019 111-0.2958012 211-0.313087	
1f	General remarks of inspecting officers on geology, exploration etc			ML area belong to rohtas formation of vindhyan super group, light grey to dark grey in colour, fine to medium grained limestone, in nature it is hard and compact. found in the kymore series

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	WORKING WAS PROPOSED IN THE SINGLE QUARRY IN THE SINGLE BENCH	WORKING WAS BEING DONE IN THE SINGLE BENCH WITHIN THE SAID QUARRY	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	PROPSOED	AS PER PROPOSAL	
2c	Stripping ratio or ore to OB ratio	NOT PROPOSED	NIL	
2d	Quantity of topsoil generation in m3	NOT PROPOSED	NO WORKING TO GENERATE TOP SOIL	
2e	Quantity of overburden generation in m3	NOT PROPOSED	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			WORKING WAS BEING DONE IN THE PROPOSED LOCATION

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	
3b	Quantity of ROM mineral production proposed	59908 TONNES	29836.18 TONNES	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects 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 / Mechanised method adopted for segregating from ROM	MECHANISED METHOD PROPOSED	MECHANISED METHOD ADOPTED
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NOT PROPOSED	NIL
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 HEMM IS BEING USED IN MINERAL BENCH
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	SUITABLE	SUITABLE AS PER APPROVED MINING PLAN
3m	Total area covered under excavation/pits	1.02	1.02 HECT
3n	Ore to OB ratio for the pit/mine during the year.	NOT PROPOSED	NIL
3o	Total area put in use under different heads at the end of year	1.02	1.02
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=20001.00 2017-18=40062.00 2018-19=37637.620 2019-20=29836.18

3q	General remarks of inspecting officers on method of mining etc.	opencast mining method with deployment of HEMM is being done
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NOT PROPOSED	NIL	
4b	Location of topsoil, OB and mineral reject dumps	NOT PROPOSED	NIL	
4c	Number of dumps within lease area and outside of lease area	NOT PROPOSED	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	WITHIN THE UPL	WITHIN THE UPL	
4e	Number of active and alive dumps.	NIL	NIL	
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.	NOT PROPOSED	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NOT PROPOSED	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
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	full extraction of the mineral is proposed	full extraction in undergoing upto the UPD	
5b	Area under backfilling of mined out area	NOT PROPOSED	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NOT PROPOSED	WORKING WAS TO BE DONE IN THE DEEPING OF THE QUARRY NO TOP SOIL GENERATED DURING THE YEAR	
5d	Total area fully reclaimed and rehabilitated	NOT PROPOSED	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PROPOSED	SUBMITTED	

6b	Area available for rehabilitation (ha) .	NOT PROPOSED	NIL
6c	afforestation done (ha).	NOT PROPOSED	NIL
6d	No. of saplings planted during the year	NOT PROPOSED	NIL
6e	Cumulative no .of plants	NOT PROPOSED	NIL
6f	Any other method of rehabilitation	NOT PROPOSED	NIL
6g	Cost incurred on watch and care during the year	NOT PROPOSED	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NOT PROPOSED	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NOT PROPOSED	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NOT PROPOSED	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.	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NOT PROPOSED	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NOT PROPOSED	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NOT PROPOSED	NIL	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			COMMON BOUNDARY PERMISSION WAS TAKEN FOR WORKING PMCP RELATED WORKS ARE BEING DONE IN NEARBY ML's

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM DISPACH PROPOSED	ROM IS BEING DISPATCHED TO CAPTIVE CEMNET PLANT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NOT PROPOSED	NIL	

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7c	Different grade of mineral sorted out at mines.	NOT PROPOSED	NIL	
7d	Any beneficiation process at mines .	NOT PROPOSED	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM IS BEING SENT TO CAPTIVE CEMENT PLANT

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NOT PROPOSED	NIL	
8b	Concurrent use or storage of topsoil	NOT PROPOSED	NO SOIL GENERATED	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NOT PROPOSED	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NOT PROPOSED	NIL	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NOT PROPOSED	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	PROPOSED	AS PER MINING PLAN	
8g	Survival rate	NOT PROPOSED	NIL	
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			ML SURROUNDED BY OTHER ML'S, BEUATY DEPENDS ON THE OTHER ML WORKINGS ALSO

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	AR AND MR SUBMITTED	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	FURNISHED	FURNISHED	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	FURNISHED	FURNISHED	

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9d	Scrutiny of Annual return on afforestation		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	FURNISHED	FURNISHED
9f	Scrutiny of Annual return on ROM stock and/or graded ore	FURNISHED	FURNISHED
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	FURNISHED	FURNISHED
9h	Scrutiny of Annual return on fixed assets	FURNISHED	FURNISHED
9k	Scrutiny of Annual return on mining machineries	FURNISHED	FURNISHED

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

**Date :**

**(DEEPAK SHARMA)**

Indian Bureau of Mines