

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/KTN/LST-59

**Mine code :** 38MPR18081

- (i) Name of the Inspecting : **SQ05** ) **DEEPAK SHARMA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 28-NOV-19
- (v) Prev.inspection date : 04-OCT-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAMUWANI KALAN (31.43.HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : JAMUWANI KALAN  
Taluka : VIJAYRAGHAVGARH  
Post office : JAMUWANI KALAN  
Pin Code :  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 02-SEP-77
- (h) Weekly day of rest : WED
2. Address for : M/S ACC Limited  
correspondance P.O. KYMORE, VIA. JUKEHI  
DIST KATNI (M.P.) 483501
3. (a) Lease Number : MPR0273  
(b) Lease area : 31.82  
(c) Period of lease : 20  
(d) Date of Expiry : 01-SEP-17
4. Mineral worked : DOLOMITE Associated  
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	:	Renewal under rule 22 MCR1960	23-AUG-96
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	04-OCT-04
		Mining Scheme rule 12 MCDR1988	25-JUN-07
		Mining Scheme rule 12 MCDR1988	19-MAR-12
		MP modif under MCR 1960	04-APR-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal was given for the reporting year	no exploration work carried out during the reporting year	
1b	Exploration over lease area for geological axis 1 or 2	area explored upto g2 level	exploration done in the ML area upto g2 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	10.52 hect needs to explore upto g1 level	10.52 hect required to explore upto g1 level	
1e	Balance reserve as on 01/04/20	as on 01.04.2016 122-9.251766 million tonnes 222-1.552950 million tonnes	as on 01.04.2019 122-8.807580 222-1.552950 million tonnes	units are in million tonnes as per approved mining plan
1f	General remarks of inspecting officers on geology, exploration etc			area needs to explore upto g1 level 10.52 hect approx

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	working was proposed in the existing pit with 4 meter bench height and width of 9 meter (working bench)	working was in the single existing quarry with the bench height of 4 meter and width of 9 meter	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	separate benches in teh mineral bench and soil is proposed	soil bench is of 1-1.5 meter depending upon the mineralization of soil, mineral bench is of 4 meter height	
2c	Stripping ratio or ore to OB ratio	1:0.23	1:0.19	
2d	Quantity of topsoil generation in m3	7800 cu m	6500 cu m	
2e	Quantity of overburden generation in m3	7170 cu m	7000 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Developmnet work was done in the proposed location

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	single pit	single existing pit	
3b	Quantity of ROM mineral production proposed	159975 tonnes	83414.640 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 % rom is being used in captive cement plant	
3d	Quantity of mineral reject generation	not proposed	nil	
3e	Grade of mineral rejects generation and threshold value declared.	not declared	threshold value set by IBM is being used	
3f	Quantity of sub grade mineral generation.	not proposed	nil	

3g	Grade of sub grade mineral generation	not proposed	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	not proposed	nil	
3j	Provision of drilling and blasting in mineral benches	proposed	proposed and when required	
3k	Provision of mining machineries in mineral benches	mechanised method proposed	hemm is being used in mineral benches for excavation and transportaion	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	height and width of benches are suitable for mining as per approved mining plan	
3m	Total area covered under excavation/pits	6.50 hect	5.56 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.23	1:0.19	
3o	Total area put in use under different heads at the end of year	11.95 hect	8.12 hect	
3p	Production of ROM mineral during the last five year period as applicable	2016-17=161055 2017-18=153558 2018-19=159975 2019-20=159975	2016-17=101846.490 2017-18=129237.160 2018-19=129687.120 2019-20=83414.640	units are in metric tonnes
3q	General remarks of inspecting officers on method of mining etc.			hemm is being used in mineral benches for excavation and transportation of the mineral , no segregation process adopted, rom is being used in the captive cement plant

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	proposed	soil is being dumped in the 7.5 meter barrier zone and rom is being dispatch to the captive cement plant	
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)	outside the upl	outside 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	not proposed	nil	
4k	Specific comments of inspecting officer on waste dump management			rom is being dispatch to the captive cement plant, soil generated is being used in plantation over the 7.5 meter barrier zone

## 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.	full extraction of the mineral is proposed	full extraction of mineral not done yet upto UPD and UPL	
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)	proposed	soil is being used in planttaion over the 7.5 meter barrier zone	
5d	Total area fully reclaimed and rehabilitated	not proposed	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			no backfilling proposed

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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) .	3.6 hect	3.89 hect	
6d	No. of saplings planted during the year	500 nos	650 nos	
6e	Cumulative no .of plants	1500 nos	1000 nos	

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6f	Any other method of rehabilitation not proposed	nil	
6g	Cost incurred on watch and care during the year	not mentioned	nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		as per the approved mining plan

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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 dispatch is proposed	rom is being dispatch to the captive cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	nil	
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 dispatched to the captive cement plant

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#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	as per proposal
8b	Concurrent use or storage of topsoil	plantation	top soil is used in plantation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal
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)	proposed	as per approved mining plan
8g	Survival rate	95 %	80-85 %
8h	Water sprinkling on roads to control airborne dust	proposed	with the use of water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		needs improvements

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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	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	
9d	Scrutiny of Annual return on afforestation	Furnished	Furnished	
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	

**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