

**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 : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 04-SEP-20
- (v) Prev.inspection date : 28-NOV-19

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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	nil	The entire lease area has been explored upto the G1 level of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	The entire lease area has been explored upto the G1 level of exploration.	The entire lease area has been explored upto the G1 level of exploration.	
1e	Balance reserve as on 01/04/20	8884141 tonnes	8807580 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	proposed	in the northern part of the lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil , overburden and mineral is proposed	Separate benches in topsoil , overburden and mineral is maintained	
2c	Stripping ratio or ore to OB ratio	1:0.23	1:0.18	
2d	Quantity of topsoil generation in m3	7800	821	violation pointed out

2e	Quantity of overburden generation in m3	7110	5200	violation pointed out
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Overall development is lagging. Violation of Rule 11(1) of MCDR 2017 issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	159975 tonnes	83414.64 tonnes	Violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is to be used in Cement plant	Entire ROM is used in Cement plant	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
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	5.2 ha	5.2 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.23	1:0.18	
3o	Total area put in use under different heads at the end of year	proposed	6.47 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 185624 2016-17 161055 2017-18 153885 2018-19 159975 2019-2020 159975	2015-16 153623.360 2016-17 101846.49 2017-18 129237.160 2018-19 129687.120 2019-2020 83414.64	
3q	General remarks of inspecting officers on method of mining etc.			Violation pointed out under rule 11(1) of MCDR 2017 for lesser production.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	as per proposal
4b	Location of topsoil, OB and mineral reject dumps	Southern side of lease boundary	Southern side of lease boundary
4c	Number of dumps within lease area and outside of lease area	1 dump within Lease Area	1 dump within Lease Area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the ultimate pit limit	outside 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.	nil	nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	240 mtrs of Garland Drain
4i	Length of Retaining wall or garland drain all along dumps	yes	240 mtrs of Garland Drain
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.	not proposed	area not mined out yet to start 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)	Top Soil generated will be used for plantation	Top Soil used for plantation	
5d	Total area fully reclaimed and rehabilitated	nil	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			area not mined out yet to start backfilling

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	submitted	
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha) .	Nil	700 plants planted along the lease boundary and 344 plants outside lease area	
6d	No. of saplings planted during the year	Nil	1000	

6f	Any other method of rehabilitation	not proposed	not done
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	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	not proposed	not done
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	nil	700 plants planted along the lease boundary

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	Ambient Air, Water, Noise, are done in every Quarter and in-house monitoring is done in every month.
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 mineral dispatch proposed	ROM mineral dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	no sorting proposed	no sorting done	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	not proposed	no beneficiation done	
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)	yes	The top soil is utilised during afforestation	
8b	Concurrent use or storage of topsoil	The top soil is proposed to be utilised during afforestation	The top soil is utilised during afforestation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	Yes, separate dump for OB is present, there is no mineral rejects	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	nil	Area not matured for back filling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	not proposed	700 plants planted along the lease boundary and 344 plants outside lease area	
8g	Survival rate	not proposed	87 %	
8h	Water sprinkling on roads to control airborne dust	yes	Water Spraying Done by water Tanker	

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. Rajanikanta Sahani Mining Engineer in charge Mr. Akhil Chouhan Geologist in charge Mr. Sanjeev Kumar Sharma	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Covered under current (O/C) Workings 5.200 Used for waste disposal 0.960 Occupied by plant, buildings, residential, welfare buildings & roads 0.310	
9d	Scrutiny of Annual return on afforestation	yes	700 plants planted inside lease area and 344 plants 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 274 rupees
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in Rs) 15863713
9k	Scrutiny of Annual return on mining machineries	yes	BACK HOE 1.200 CUM 1 Non Electrical Opencast BACK HOE 0.900 CUM 1 Non Electrical Opencast TIPPER 10.000 CUM 5 Non Electrical Opencast PUMPS (ELEC.) 200.000 L/MN 2 Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non Electrical Opencast ROCK DRILL (NONELEC.) 115.000 MM 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)	16-SEP-20	14-DEC-20				
MCDR17	Rule 33	16-SEP-20	14-DEC-20				
MCDR17	Rule 35(2)	16-SEP-20	14-DEC-20				
MCDR17	Rule 45(7) (a)	16-SEP-20	14-DEC-20				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines