

**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 : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 27-NOV-19
- (v) Prev.inspection date : 19-MAR-18

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	There was no exploration proposal was given hence there is no backlog for the year	no backlog of the previous year	
1b	Exploration over lease area for geological axis 1 or 2	Entire ML area has been explored upto G1 level	Entire ML area has already been explored upto G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned due to no exploration proposal	Not Furnished	
1d	Balance area to be explored to bring Geological axis in 1 or 2	The entire lease area is explored upto G1 level	The Entire ML area has already beend explored upto G1 level	
1e	Balance reserve as on 01/04/20	As on 01.04.2017 111-141236 tonnes 121-0 221-0	as on 01.04.2020 111-88323.28 tonnes 121-0 221-0	
1f	General remarks of inspecting officers on geology, exploration etc			Limestone of the area belongs to rohtas formation of vindhyan super group in katni kymore series. light grey to dark grey in colou, fine to medium grains hard and compact in nature

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It was proposed to work in the central pit of the lease towards south and western direction in depth from 340 MRL	the working was as per proposal and deepening the benches from 340 MRL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bennching was proposed for the top soil and mineral bench i.e. limestone	Separate benches prepared in the ML, OB/Top Soil bench 1-1.5 meter, Mineral bench 6-8 meter
2c	Stripping ratio or ore to OB ratio	NIL	NIL as the working was proposed to deeping the pit no working scope available for lateral extension
2d	Quantity of topsoil generation in m3	NIL	NIL
2e	Quantity of overburden generation in m3	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		workign is being done in the ML with increasign depth with maintaninig benches

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Single pit siyuated in central part is proposed to work	Single pit in central part of the ML area is being working	
3b	Quantity of ROM mineral production proposed	28750 tonnes	20749.38 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	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 screening proposed	segragation is being done by screening method
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 approved mining plan in the mineral benches
3k	Provision of mining machineries in mineral benches	Proposed	HEMM is being used in mineral benches for excavation and transportaion trucks and loaders are being used
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3-5 meter bench height has been proposed	Height is suitable for the mining method as per approved mining plan

3m	Total area covered under excavation/pits	1.121 hect	1.121 hect	DGMS permission obtained by lessee for comoun boundary working and excavation
3n	Ore to OB ratio for the pit/mine during the year.	NIL	No OB removal working in the reporting year	
3o	Total area put in use under different heads at the end of year	1.121 hect	1.121 hect	
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=46800 2018-19=28437 2019-20=20749.38	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			workign was doen in the said location

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal.	None done.	
4b	Location of topsoil, OB and mineral reject dumps	None exists in the lease.	None exists in the lease.	
4c	Number of dumps within lease area and outside of lease area	None exists inside and outside the lease.	None exists inside the lease and outside the lease.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dumps exists.	No dumps exists.	
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.	No dumps exists in the lease area.	No dumps exists in the lease area.	
4i	Length of Retaining wall or garland drain all along dumps	No dumps exists in the lease area.	No dumps exists in the lease area.	
4j	Number of settling ponds	None proposed.	NIL	
4k	Specific comments of inspecting officer on waste dump management			no waste/ ob generated in the reporting year

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 mineral proposed	Full extraction is being done by deeping the pit	
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)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	The lease is in conjugation with the main 1520 hect lease, the reclamation and rehabilitation will be in sync with the methodology followed in the main mining lease.
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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) .	NIL	NIL	
6c	afforestation done (ha).	No proposal for plantation inside the lease.	No plantation done inside the lease.	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL inside the lease area.	NIL inside the lease area.	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx 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.	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)	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.	Done
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	Proposal for ROM dispatch.	ROM is dispatched.	
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.	Not Proposed	NIL	
7d	Any beneficiation process at mines .	The entire limestone mineral is used in the Cement plant.	The entire limestone mineral is used in the Cement plant.	The entire limestone mineral is used in the Cement plant.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	None proposed.	NIL
8b	Concurrent use or storage of topsoil	None proposed.	None done.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	None done.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	None done.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None proposed.	None done.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	as per proposal	None done.
8g	Survival rate	None proposed.	None done.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Done.
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	AR & MR Submitted	AR & MR submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Manager Mr Mukesh Prasad 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.		(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 1.121 1.121 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.000 0.000 (vi) Other Purpose (0) 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000	
9d	Scrutiny of Annual return on afforestation	No plantation inside the lease.	No plantation inside the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	None generated.	

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		Ex mine Price 214.91 INR cost of production 214.91 INR
9h	Scrutiny of Annual return on fixed assets		Not Mentioned
9k	Scrutiny of Annual return on mining machineries		Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) 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 C

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