

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-179

Mine code : 38MPR18075

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Akhil Chauhan (Mining Engineer), Venkateshwarulu(Geol
Official with
Designation
- (iv) Date of Inspection : 16-SEP-22
- (v) Prev.inspection date : 03-SEP-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAMUWANI KALAN (8.094 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 grant date : 15.09.78
- (h) Weekly day of rest : WED
2. Address for : M/S ACC Limited
correspondance P.O. KYMORE, VIA. JUKEHI,
DIST KATNI (M.P.) 48350
3. (a) Lease Number : MPR0276
(b) Lease area : 8.094
(c) Period of lease : 15.09.78 to 31.03.30
(d) Date of Expiry : 31-MAR-30
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : SRIDHAR BALAKRISHNAN
CEMENT HOUSE 121, M K
ROAD MUMBAI
MAHARASHTRA
PHONE: 022-67973967

Owner : SRIDHAR BALAKRISHNAN
CEMENT HOUSE 121, M K
ROAD MUMBAI
MAHARASHTRA
PHONE: 022-67973967
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	06-JAN-98
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12-OCT-04
		Mining Scheme rule 12 MCDR1988	23-FEB-12
		Mining Scheme rule 12 MCDR1988	12-JUN-14
		MP modif under 17(3) MCR 2016	10-APR-18

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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	mineralized area explored upto G2 level	mineralized area explored upto G2 level.G2-4.10 hectare and G1-3.91 hectare	
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	Not proposed	G2-4.10 hectare area to be explored in G1.	
1e	Balance reserve as on 01/04/20		0.78 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Limestone of the ML belongs to the rohtas limestone in semri group of Vindhyan super group. dark grey in colour, hard and compact in nature with fine grains.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development planned at grid line 2666580 N to 2666490 N ; 473050 E to 473180 E	Development done at grid line 2666580 N to 266550 N ; and 473050 E to 473190 E	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil overburden and mineral proposed	Separate benches in topsoil overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:0.32	1:0.41	

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2d	Quantity of topsoil generation in m3	3266	340	Violation pointed out under rule 11(1) of MCDR 2017.
2e	Quantity of overburden generation in m3	1776	1358	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			During inspection it was observed that the development is lagging behind the approved proposals for the year 2021-22. Violation pointed out under rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	39960	4964.850	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is utilised in captive plant owned by the lessee.	NA	
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	

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3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	na
3j	Provision of drilling and blasting in mineral benches	drilling & blasting in mineral benches proposed	drilling & blasting in mineral benches done
3k	Provision of mining machineries in mineral benches	proposed	BACK HOE 1.200 CUM 1 Non Electrical Opencast TIPPER 10.000 CUM 4 Non Electrical Opencast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Number of Benches 2 (ore) & 1 (OB) of Average height 4 & 2 respectively.
3m	Total area covered under excavation/pits	1.78	1.26
3n	Ore to OB ratio for the pit/mine during the year.	1:0.32	1:0.41
3o	Total area put in use under different heads at the end of year	Under Open cast workings- 1.78Ha, Dump-0.94ha Office, Road- 0.11 ha	Under Open cast workings-1.26Ha, Dump-0.85 ha Office, Road-0.11 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 38137 2018-19: 39848 2019-20: 39893 2020-21: 39960 2021-22:39960	2017-18 5446.62 2018-19: 19023 2019-20: 24671 2020-21: 8015 2021-22: 4965

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3q	General remarks of inspecting officers on method of mining etc.	In the year 2021-22 the total Quantity of ROM mineral production proposed is 39960 MT but only 4964.850 MT achieved. Hence violation pointed out under rule 11(1) of MCDR 2017.
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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)	Separate dumping of topsoil, OB proposed	Separate dumping of topsoil, OB carried out	
4b	Location of topsoil, OB and mineral reject dumps	The top soil is planned to be stacked at grid. 2666200N; 473000 E; Overburden at grid line 2666300N; 473000 E	The top soil is stacked as per plan and partly utilised for afforestation Overburden /interburden location is as per plan	
4c	Number of dumps within lease area and outside of lease area	One, Inside lease area	One, Inside lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	2666300N; 473000 E	2666300N; 473000 E	
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.	garland drain proposed	120 mts garland drain	

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4i	Length of Retaining wall or garland drain all along dumps		120 mts garland drain
4j	Number of settling ponds	Nil	Nil

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 from mined out area before starting backfilling proposed	full extraction of mineral from mined out area before starting backfilling adopted	
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)	Stacking	Stacked and partly Utilized for Plantation	
5d	Total area fully reclaimed and rehabilitated		0.750 ha as per submitted AR	

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).	YES	SUBMITTED	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha) .	Nil	0.01 ha	
6d	No. of saplings planted during the year		280	

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6e	Cumulative no .of plants	Not proposed	1000 approx.
6f	Any other method of rehabilitation	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
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	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA

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6p	Compliance of environmental monitoring (core zone and buffer zone)	PROPOSED	As per proposal
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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 mineral dispatch to cement plant proposed	ROM mineral is being dispatched to cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The entire ROM is being dispatched from lease to cement plant owned by the lessee

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Planned Qty : 3266 m3 The top soil is planned to be stacked at grid. 2666200N; 473000 E	Actual Qty : 340 m3 The top soil is stacked and partly utilised for afforestation	Violation pointed out under rule 11(1) of MCDR 2017.
8b	Concurrent use or storage of topsoil	The top soil is planned to be stacked a	The topsoil is stacked and partly used in the plantation.	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	Separate dumps for overburden waste rock done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden, waste rock for restoring the land to its original use proposed	Use of overburden, waste rock for restoring the land to its original use adopted	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration, reclamation and rehabilitation of lands affected by mining operations proposed	Phased restoration, reclamation and rehabilitation of lands affected by mining operations adopted	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		280 saplings area planted along the lease boundary	
8g	Survival rate		85%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust carried out with the use of water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs to improve.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	Monthly and Annual returns submitted online.	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager Mr. N Santosh Kumar Mining Engineer in charge Mr. N Santosh Kumar Geologist in charge Mr.Pawan Kumar Nadimpalli
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Covered under current (O/C)Workings 1.260 Reclaimed/Rehabilitated 0.750 Used for waste disposal 0.850 Occupied by plant, buildings,residential, welfare buildings & roads 0.110 Other Purpose (Afforestation (Excluding Reclaimed Area)) 0.610
9d	Scrutiny of Annual return on afforestation	given	(i) Number of trees planted during the year 280 nos (ii) Survival rate in percentage 85.00
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	given	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 4964.850 0.000 (b) Underground Workings 0.000 0.000 0.000 (c) Dump Workings 0.000 0.000 0.000

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	Grades Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in . Per Tonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 0.000 0.000 0.000 0.000 0.00 (c) Chemical 0.000 0.000 0.000 0.000 0.00 (d) BF 0.000 0.000 0.000 0.000 0.00 (e) Cement 800.000 4964.850 4964.850 800.000 298.96
9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	given	machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 1.200 CUM 1 Non Electrical Opencast TIPPER 10.000 CUM 4 Non Electrical Opencast

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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
MCDR17 Rule 11(1)	03-FEB-23		MCDR17 Rule 11(03-FEB-23	18-MAY-23
Rule 46	03-FEB-23	03-MAR-23			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines