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MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-165

Mine code : 38MPR18102

- (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 : 17-SEP-22
- (v) Prev.inspection date : 07-OCT-20

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 : 50
- (d) Date of Expiry : 30-OCT-40
4. Mineral worked : LIMESTONE Main

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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
	:	MP review under 17(1) MCR 2016	01-JUL-20

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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	Nil	The entire lease area of 1.09 hect has already proved under G1 category.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	1.09 hect has already proved under G1 category.	
1e	Balance reserve as on 01/04/20		0.27 Million tonnes	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	south and central part of the lease	south and central part of the lease	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Separate benches in topsoil and overburden proposed	Nil	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	

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3b	Quantity of ROM mineral production proposed	22000	12401
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is proposed to be used in the cement plant	Entire ROM is used in the 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	MECHANISED	MECHANISED
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	drilling & blasting in mineral benches proposed	drilling & blasting in mineral benches carried out
3k	Provision of mining machineries in mineral benches	Deployment of mining machineries in mineral benches proposed	BACK HOE 2.800 CUM 1 Non Electrical Opencast DUMPER 40.000 TONNE 2 Non Electrical Opencast BLAST HOST DRILL 115.000 MM 1 Non Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 Non Electrical Opencast

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3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	Number of Benches 3(ore) & 1(OB) of Average height 8m
3m	Total area covered under excavation/pits	1.02	1.02
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	1.02 Ha	1.02 Ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 59993 2018-19: 59908 2019-20: 59908 2020-21: 23190 2021-22: 22000	2017-18 50062 2018-19: 37638 2019-20: 29836 2020-21: 8335 2021-22: 12401
3q	General remarks of inspecting officers on method of mining etc.		

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	Nil	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
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)	NA	NA	
4e	Number of active and alive dumps.	Nil	Nil	

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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.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			No proposal as well as actual wrt Waste Management-Dumping.

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.	No proposal	Nil	
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)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling & eclamation proposals.

Progressive Mine Clousre Plan:

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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	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
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 on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	

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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
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	As per proposal
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.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	NA	

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7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM mineral dispatch to the captive plant carried out.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not done	
8b	Concurrent use or storage of topsoil	Not proposed	not done	
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	
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)	Not proposed	Nil	
8g	Survival rate	Not proposed	Nil	

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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 done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs improvement.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Monthly returns and Annual Returns submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager Mr. Mukesh Prasad Mining Engineer in charge Manoj Wasule Geologist in charge Mr. Pavankumar N	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Covered under current (O/C) Workings 0.793 Used for waste disposal 0.230	
9d	Scrutiny of Annual return on afforestation	Given	Number of trees planted Outside lease area during the year is 200 nos.	
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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex-mine price is Rs.268	

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9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (in Rs) 6451146
9k	Scrutiny of Annual return on mining machineries	Given	BACK HOE 2.800 CUM 1 Non Electrical Opencast DUMPER 40.000 TONNE 2 Non Electrical Opencast BLAST HOST DRILL 115.000 MM 1 Non Electrical Opencast CRUSHER 390.000 T/H 1 Electrical Opencast CONVEYOR (ELEC.) 400.000 T/H 1 Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 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

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines