

MCDR-MiFLOLST/16/2022-JBP-IBM\_RO\_JBP  
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/17424/2023

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-16

Mine code : 38MPR18050

- (i) Name of the Inspecting : **SQ24** ) **MADHAVRAO SABRE**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Mukesh Prasad Mining Engineer, Shri Sanjeev Sharma  
Official with : Geologist.  
Designation
- (iv) Date of Inspection : 03-FEB-23
- (v) Prev.inspection date : 16-Mar-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KYMORE & BAMANGAON**
- (b) **Registration NO.** : **IBM/256/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : MADHYA PRADESH
- District : KATNI
- Village : KYMORE&BAMANGAON
- Taluka : VIJAYRAGHAVGARH
- Post office : KYMORE
- Pin Code : 483880
- FAX No. : 07626-272303
- E-mail : mukesh.dinesh.prasad@adani.com ,  
b.sridhar@acclimited.com
- Phone : 07626-272301
- (f) Police Station : Kymore
- (g) First opening date : 18-NOV-49
- (h) Weekly day of rest : SUN
2. Address for : ACC Limited  
correspondance P.O. KYMORE, VIA JUKEHI  
DIST. KATNI (M.P.) 483501
3. (a) Lease Number : MPR1694
- (b) Lease area : 1520.22 Ha
- (c) Period of lease :
- (d) Date of Expiry : 31-Mar-2030
4. Mineral worked : LIMESTONE Main

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## 5. Name and Address of the

Lessee : ACC Limited  
 ACC Limited, Cement House, Maharshi  
 Karve Road, Mumbai-400020,  
 abhijit.chattopadhyay@adani.com Phone:  
 022-67973967  
 FAX : N. A.

Owner : Mr Ajay kapur, Whole Time Director,  
 CEO ACC Limited, Mob: 7738368633  
 ACC Limited, Cement  
 House, Maharshi Karve  
 Road, Mumbai-  
 400020 Phone: N. A.  
 FAX : N. A.

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988 Modif. approved Mining Scheme Mining Scheme rule 12 MCDR1988 FMCP under 23C(1) Modif. of approved Mining Plan Renewal under rule 24 MCR1960 Modif. of approved Mining Plan Mining Scheme rule 12 MCDR1988 Modif. approved Mining Scheme MP review under 17(1) MCR 2016	02-FEB-95 13-FEB-04 06-JUN-06 24-MAY-07 14-JUN-07 03-JAN-10 05-JAN-12 05-MAY-14 13-JUN-16 28-MAR-19
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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	Na	-
1b	Exploration over lease area for geological axis 1 or 2	10 Boreholes were proposed.	No exploration taken up in RY	Violation issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 164.97 hA	G2 164.97 Ha	At amraiya Village.
1e	Balance reserve as on 01/04/20	-	111 = 98.95 Million Tonnes.	-
1f	General remarks of inspecting officers on geology, exploration etc	-	10 boreholes were proposed during 2021-22, but no drilling carried out	Violation issued for same.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	BMG ML29-ML25-Block -3 NW, ML 25-ML 22(O)-Block 3 South	BMG ML29-ML25-Block -3 North west portion, ML 25-ML 22(O)-Block 3 towards South	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes done meticulously stored and some part used in Plantation.	-
2c	Stripping ratio or ore to OB ratio	Bamangaon 1:0.48	1:0.47	-
2d	Quantity of topsoil generation in m3	Nil	NA	No proposal in RY.
2e	Quantity of overburden generation in m3	7.19 Lakh Tonnes	3.24 Lakh tonnes	Violation issued fir short fall.

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	Less development and production done .	Violation issued.
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## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	-
3b	Quantity of ROM mineral production proposed	14.45 Lakh tonnes	7.02 Lakh Tonnes	Violation issued for shortfall.
3c	Recovery of sailable/usable mineral from ROM production	Nil	NA	-
3d	Quantity of mineral reject generation	Nil	NA	-
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	-
3f	Quantity of sub grade mineral generation.	Nil	NA	Not in proposal.
3g	Grade of sub grade mineral generation	Nil	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.	Nil	NA	-
3j	Provision of drilling and blasting in mineral benches	Yes	Yes, Blasthole drills 115 mm dia. and blasting deep-hole blasting with bottom intiation with milli-secend delay.	-

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3k	Provision of mining machineries in mineral benches	Yes	Yes	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	-
3m	Total area covered under excavation/pits	306 Ha	306 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.35 (MHG) , 1:0.47 (BMG) ,	1:0.49 (MHG) , 1:0.48 (BMG) ,	
3o	Total area put in use under different heads at the end of year	1:0.49 (MHG) , 1:0.28 (BMG) ,	531.57 ha	-
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 46.5 Lakh tone (BMG & MHG) 2017-18 - 13.55 lakh tone (BMG) & 32.0 Lakh Tone (MHG) 2018-19 - 13.55 lakh tone (BMG) & 32.0 Lakh Tone (MHG) 2019-20 - 14.99 lakh tone (BMG) & 32.890 Lakh Tone (MHG) 2020-21 - 14.99 lakh tone (BMG) & 30.10 Lakh Tone (MHG) 2021-22 -14.94 Tonnes (BMG)	2016-17 - 35.98 Lakh tone (BMG & MHG) 2017-18 - 13.44 lakh tone (BMG) & 26.23.6332.0 Lakh Tone (MHG) 2019-20 - 14.12 lakh tone (BMG) & 26.58 Lakh Tone (MHG) 2020-21 - 11.21 lakh tone (BMG) & 22.15 Lakh Tone (MHG) 2021-22- (BMG) 12.06 Lakh Tones, 21.67 T (MHG) 2022-23- (BMG) 873920.2 T (MHG) 2111950.07 T	violations pointed out.
3q	General remarks of inspecting officers on method of mining etc.	-	-	Opencast fully mechanised method of mining is adopt for mine development and exploitation.

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	The top soil will be utilised simultaneously for topping of the backfilled area.	Work done as per proposal.	-
4b	Location of topsoil, OB and mineral reject dumps	No dumps proposed.	Reject is backfilled into Bamangon and Mehgaon backfilling area.	-
4c	Number of dumps within lease area and outside of lease area	No external dump proposed.	Old dump rehabilitated.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	-
4e	Number of active and alive dumps.	Nil	Nil	-
4f	Number of dead dumps.	Nil	Nil	-
4g	Number of dumps established.	13 Nos	13 Nos.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	-
4i	Length of Retaining wall or garland drain all along dumps	Nil	2800 m. Constructed earlier.	-
4j	Number of settling ponds	Nil	01	-
4k	Specific comments of inspecting officer on waste dump management	-	-	-

#### 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.	Backfilling in fully extracted mineral land	Backfilling in fully extracted mineral land	-

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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 generated is used in plantation.	-
5d	Total area fully reclaimed and rehabilitated	BMG - 0.75 ha, MHG - 1.49 ha	BMG - 0.80 ha, MHG - 1.5 ha	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Top soil generated is used in Plantation.

## 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	Yes submitted.	-
6b	Area available for rehabilitation (ha) .	BMG - 0.80 HA MHG - 1.49 HA	BMG - 0.60 HA MHG - 1.5 HA	-
6c	afforestation done (ha).	BMG - 00	BMG 2.6 Ha	-
6d	No. of saplings planted during the year	5000	6120	-
6e	Cumulative no .of plants	-	250881	-
6f	Any other method of rehabilitation	Nil	Nil	-
6g	Cost incurred on watch and care during the year	Yes	Rs 91800/-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	-

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6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Yes	Yes	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Yes	6120 plants planted	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	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)	NA	NA	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	-	-	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	yES	carried out regularly.	-



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6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Annual PMCP report submitted in time.
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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 mieral dispatch to captive plant	ROM mieral dispatched directly to captive plant as per records.	Only Crushing is proposed at crusher Head. Sizing of ore done by mechanical crusher.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical Crusher at Pit Head	Sizing of ore done by mechanical crusher	-
7c	Different grade of mineral sorted out at mines.	NA	NA	-
7d	Any beneficiation process at mines .	No	Not in proposal.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM mieral dispatched directly to captive plant as per records.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	The top soil will be utilised simultaneously for topping of the backfilled area and for forestation.	The top soil is utilised simultaneously as topping of the backfilled area and for afforestation	-

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8b	Concurrent use or storage of topsoil	Nil	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling in mined out Pits.	Backfilling was done in the mined out Pits in Block-I and Old Pit.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	BMG - 0.80 ha MHG - 1.49 ha	BMG - 0.60 ha MHG - 1.5 ha	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	6120 Plants planted.	-
8g	Survival rate	80%	90 %	-
8h	Water sprinkling on roads to control airborne dust	Yes	Yes done regularly	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation was done in the non mineralised waste land. Green belt developed around the mine area.

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**Compliance of Rule 45:**

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-	Monthly return and Annual Return Submitted in time	-

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining engineer incharge : Mr Mukesh Prasad Geologist : Shri Sanjeev Sharma	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Total area put in use under different head - 531.57 ha	-
9d	Scrutiny of Annual return on afforestation	Yes	Afforestation done inside and 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	As per AR no stock present in the mine.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	It is a captive mine. Cost of production is Rs 268.30/-	-
9h	Scrutiny of Annual return on fixed assets	yes	Fixed asset data are checked and found as per Annual Return	-
9k	Scrutiny of Annual return on mining machineries	Yes	Back Hoe 2.80 CUM, SHOVEL (HYDRAULIC) 3.800 CUM PUMPS (NON-ELEC.) 200.000 L/MN SHOVEL (HYDRAULIC) 2.800 CUM PUMPS (ELEC.) 200.000 L/MN WATER TANKER 14000.000 LITRE DOZER 320.000 HP EXPLOSIVE VAN 10.000 TONNE CONVEYOR (ELEC.) 400.000 T/H CRUSHER 390.000 T/H DUMPER 50.000 TONNE DUMPER 40.000 TONNE BLAST HOST DRILL 115.000 MM	-

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**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

**Date :****(MADHAVRAO SABRE)**

Indian Bureau of Mines