

MCDR INSPECTION REPORT**General Information**

| S.N | Particulars | Details |
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| 1 | Name of the Mine Date of Inspection: Name of Inspecting Officer | Badari Limestone mine 01-12-2022 Mr. K.Naveen, Sr.Asst. Controller of Mines |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | Total land-1.121 Ha Forest land-0 ha Non forest land-1.121 ha |
| 3 | Mine code | 38MPR18074 |
| 4 | IBM Registration Number under rule 45 of MCDR,1988 | 256 |
| 5 | Name of the Lease, Address, Phone, email and fax number | M/s. ACC Limited Cement House121, M K Road, Mumbai District : MUMBAI (SUBURBAN) State : MAHARASHTRA PIN Code: 400020 Fax No: 02225811618 Phone No: 02267973967 |
| 6 | Village | Badari |
| 7 | Taluka/Mandal | Vijayaraghavagarh |
| 8 | District | Katni |
| 9 | Pin code | 483880 |
| 10 | State | Madhya Pradesh |
| 11 | Post Office | Kymore |
| 12 | Nearest Police Station | Kymore |
| 13 | Nearest Railway Station | Katni |
| 14 | Date of Grant of Mining Lease | 28-05-1987 |
| 15 | Date of Execution | 28-05-1987 |
| 16 | Date of opening of Mine | 28-05-1987 |
| 17 | Date of First Renewal, if applicable and its period & expiry | 28-05-1997 |
| 18 | Date of Second Renewal, if applicable and its period & expiry | 05-06-2015 |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | Not applicable |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Mr Ajay Kapur Ph No- 02267973967 Date of Appointment:03-12-2022 |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Mr Vaibhav Dixit Ph No- 7781019970 Date of Appointment: 03-11-2022 |
| 22 | Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines | Mr Mukesh Prasad Ph No- 9893024204 ACC Limited, Kymore cement works, Kymore Email: mukesh.dinesh.prasad@adani.com |

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| | | Date of Appointment: 09.03.2021 |
| 23 | Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine | Dhruv Chaturvedi, BE Mining ACC Limited, Kymore cement works, Kymore Ph No- 9893024204 Date of appointment:15-01-2018 |
| 24 | Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44 | N.Pavan Kumar, M.Sc Tech Applied Geology Date of appointment:17.11.2021 |
| 25 | Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any. | Letter No.-MP/KATNI/LST/RMP-70/21-22, Dated 04-02-2022 |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any. | |
| 27 | Mineral(s) granted in lease and approved for Mining | Limestone |
| 28 | Method of Mining (Opencast, Underground) | Open cast |
| 29 | Category (Fully Mechanized, Others or Manual) | Fully Mechanised |
| 30 | Captive/Non-Captive | captive |

Exploration

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|--|--------------|--|
| 1a | Backlog of previous year | Not proposed | Nil | No back logs for the previous year |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Not proposed | Nil | No exploration carried out during the year |
| 1c | Exploration Agency & 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 | Nil | Not applicable |
| 1e | Balance reserves as on 01.04.2022 | 77668 tonnes | 77668 tonnes | |
| 1f | General remarks of Inspecting officer on geology, exploration etc. | As per the last approved RMP the balance reserves as on 01/11/2021 are 79919T after depleting the production the above reserves are there. | | |

Development

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|--------------|-------------|--|
| 2a | Location of Development w.r.t. lease area | Not Proposed | Nil | There is no development proposal in the year |
| 2b | Separate benches in topsoil overburden and mineral (Rule 15) | Not Proposed | Nil | There is no proposal for separate benches because no ob and top soil available |
| 2c | Stripping ratio or ore to OB ratio | Not Proposed | Nil | |
| 2d | Quantity of topsoil generation in m3 | Not Proposed | Nil | No top soil generated due to no top soil available in lease area |
| 2e | Quantity of overburden generation in m3 | Not Proposed | Nil | No OB generated due to no top soil available in lease area |
| 2f | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | | | |

Exploitation

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|---|--------------|-------------|--|
| 3a | Number of pits proposed for production | 1 | 1 | |
| 3b | Quantity of ROM mineral production proposed (2021-22) | 42664 TON | 2250.35 | |
| 3c | Recovery of Salable/usable mineral from ROM production | Not proposed | Nil | |
| 3d | Quantity of mineral reject generation | Not proposed | Nil | There is no Mineral reject proposal in plan year 2021-22 |
| 3e | Grade of mineral reject generation and threshold value declared | Not proposed | Nil | |
| 3f | Quantity of sub-grade mineral | Not proposed | Nil | There is no |

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| | generation | | | | subgrade mineral proposal in plan year 2021-22 |
| 3g | Grade of sub-grade mineral generation | Not proposed | Nil | | |
| 3h | Manual/Mechanized method adopted for segregation from ROM | Not proposed | Nil | | There is no proposal for segregation |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | Not proposed | Nil | | |
| 3j | Provision of drilling & blasting in mineral benches | Yes | Yes | | Carried out as per the requirement provided |
| 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 | Not proposed | Nil | | There is no separate benches for OB, |
| 3m | Total area covered under excavation /pits | 1.121 | 1.121 | | |
| 3n | Ore to OB ratio for the pit/mine during the year | Not proposed | Nil | | There is no ore to OB ration because of non availability of OB |
| 3o | Total area put in use under different heads at the end of year | Current working-1.121 ha | Current working-1.121 ha | | |
| 3p | Production of ROM mineral during last five-years period, as Applicable in lakh tonnes | 2017-18 | 0.12 | 0.11 | |
| | | 2018-19 | 0.28 | 0.19 | |
| | | 2019-20 | 0.28 | 0.20 | |
| | | 2020-21 | 0.28 | 0.08 | |
| | | 2021-22 | 0.42 | 0.022 | |
| 3q | General remarks of inspecting officer on method of mining etc | Very less production is reported against the proposed against which the violation issued under Rule 11(1). | | | |

Solid Waste Management-Dumping

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|---|--------------|-------------|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32,33) | Not proposed | Nil | |
| 4b | Location of topsoil, OB & mineral reject dumps | Not proposed | Nil | |
| 4c | Number of Dumps within lease area and outside lease area | Not proposed | Nil | |
| 4d | Location of Dumps w.r.t. ultimate pit limit (Rule 16) | Not proposed | Nil | |
| 4e | Number of Active & Alive dumps | Not proposed | Nil | |
| 4f | Number of dead dumps | Not proposed | Nil | |
| 4g | Number of dumps established | Not proposed | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Not proposed | Nil | |
| 4i | Length of Retaining wall or garland drain all along dump | Not proposed | Nil | |
| 4j | Number of settling ponds | Not proposed | Nil | |
| 4k | Specific commends of inspecting officer on waste dump management | | | |

Solid Waste Management-Backfilling

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|--------------|-------------|---|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Not proposed | Nil | No back filling done due to mine in not exhausted |
| 5b | Area under backfilling of mined out area | Not proposed | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Not proposed | Nil | |
| 5d | Total area fully reclaimed & | Not proposed | Nil | |

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| | rehabilitated | | | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | | | |

Progressive Mine Closer Plan

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|---|--------------|-------------|--|
| 6a | Whether Annual report on PMCP submitted on time and correctly- Rule 26(2). Details should be given in the format as given in Annexure-20 | Yes | yes | submitted |
| 6b | Management of worked/mined out benches | Not proposed | Nil | |
| | Area available for rehabilitation (Ha) | Not proposed | Nil | There is no rehabilitation proposal because of mine is under working |
| | Afforestation done (ha) | Not proposed | Nil | Afforestation done outside the MI area |
| | No.of saplings planted during the year | Not proposed | Nil | 200 no outside lease as reported |
| | Cumulative no. of plants | Not proposed | Nil | 4000 outside lease as reported |
| | Any other specific method of rehabilitation | Not proposed | Nil | There is no rehabilitation proposal because of mine is under working |
| | Cost incurred on watch & care during the year | Not proposed | Nil | Rs. 25000/- |
| 6c | Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water | Not proposed | Nil | There is no reclamation proposal during the year |

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| | reservoir Any other specific means | | | |
| 6d | Compliance of Rehabilitation of waste land within lease Afforestation Area rehabilitation Method of rehabilitation | Not proposed | Nil | There is no rehabilitation proposal during the year |
| 6e | Compliance of Environment monitoring (core zone & buffer zone) | To be carried out | Carried out | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closer operations | | | |

Mineral Conservation

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|--|-------------------------------|--|
| 7a | ROM mineral dispatch or grade wise sorting within lease area | ROM dispatch | ROM dispatch to Captive plant | There is no grade wise sorting in the lease area |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Not proposed | Nil | There is no method of sorting in lease area |
| 7c | Different grade of mineral sort out at mine | Not proposed | Nil | |
| 7d | Any beneficiation process at mines | Not proposed | Nil | There is no beneficiation process in the mines |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | ROM dispatch proposed grade wise sorting neither proposed nor carried out. | | |

Environment

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|---|--------------|-------------|---|
| 8a | Separate removal and utilization of topsoil (Rule32) | Not proposed | NA | There is no proposal for separation of top soil and utilization |
| 8b | Concurrent use or storage of topsoil | Not proposed | NA | There is no proposal for storage of top soil and utilization |
| 8c | Separate dumps for overburden waste rock, rejects and fines (Rule 33) | Not proposed | NA | There is no proposal for OB dumps |

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| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Not proposed | NA | No proposal in plan period |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Not proposed | NA | No proposal in plan period |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | Not proposed | NA | Plantation carried out outside ML area |
| 8g | Survival rate | Not proposed | NA | 80% |
| 8h | Water sprinkling on roads to control airborne dust | yes | Yes | Arrangement of water sprinkler made along haulage road |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mine area | | | |

Compliance of Rule 45

| S.N | Item | Comments | Remarks |
|-----|---|---|---|
| 9a | Status of submission of monthly and Annual returns | Annual Return are Submitted | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Engineer in charge Mr Dhruv Chaturvedi Geologist in charge Mr Pavankumar N | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Covered under current (O/C) Workings 1.121 ha | |
| 9d | Scrutiny of Annual return on afforestation | Number of trees planted outside the lease area 200 Survival rate is 85% | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & Quantity) | Nil | |
| 9f | Scrutiny of Annual return on ROM stock and/or grade ore | stocks neither reported nor observed. | |
| 9g | Scrutiny of Annual return on sale value, Ex.Mine price & production costs | Ex Mine price is reported as 268 The salary paid details are contracting with the ex mine price reported against which violation is issued under Rule 45(7). | The salary paid details are contracting with the ex mine price reported against which violation is issued under Rule 45(7). |
| 9i | Scrutiny of Annual return on Fixed assets | Value of Fixed Assets (in ₹) 1583690 | |
| 9k | Scrutiny of Annual return on mining | Shovel 2.8 cu.m 01 | The said lease is |

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| | Machineries | Dumper 40T 02 Blast hole drill 115mm 01 Explosive van 10T 01 | centre of the pit covered by other lease and it is submerged in water during the inspection time hence no machinery found. |
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