

MCDR INSPECTION REPORT

1.0 GENERAL

| SN | Particulars | Details |
|----|--|--|
| 1 | Name & Designation of the inspecting officer | Shri Rajesh Kumar Das, Sr. Asstt. Mines Controller, IBM Raipur |
| 2 | Date of Inspection | 11.02.2020 |
| 3 | Accompanying mine personnel | 1. Shri A.P. Shah AGM(G)/Regional Officer 2 Shri Subhash Kujur, Mines Manager |
| 4 | Name of the Mine | Barima Bauxite mine |
| 5 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 4.764 ha. |
| 6 | Mine code | 07CHG16006 |
| 7 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/8239/2011 |
| 8 | Name of the lessee, Address, phone, email and fax number | M/S Chhattisgarh Mineral Development Corporation Ltd. Sonakhan Bhawan Ring road no. 01, village -purena post ravigram raipur chhattishgarh, 492006 |
| 9 | Village | Barima |
| 10 | Taluka/Mandal | Mainpat |
| 11 | District | Surguja |
| 12 | Pincode | 497111 |
| 13 | State | Chhattishgarh |
| 14 | Post office | Narmadapur |
| 15 | Nearest police station | Kamleshwar |
| 16 | Nearest Railway station | Ambikapur |
| 17 | Date of Grant of Mining Lease | 01.04.2006 |
| 18 | Date of Execution | 26.07.2006 |
| 19 | Date of opening of Mine | 01.02.2017 |
| 20 | Date of first Renewal, if applicable and its period & expiry | Nil |
| 21 | Date of second Renewal, if applicable and its period & expiry | 30 years 26.07.2006 to 25.07.2036 |
| 22 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | Nil |
| 23 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Shri Ajeet Vasant (I.A.S.) Chhattisgarh Mineral Development Corporation Ltd. Sonakhan Bhawan Ring road no. 01, village -purena post ravigram raipur chhattisgarh, 492006 Email :-cmdcraipur@gmail.com Mob. :- Date of Appointment 03.07.2019 |

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|----|---|--|
| 24 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Shri A.P. Shah AGM (Geology) Chhattisgarh Mineral Development Corporation Ltd. Behind Carmel School, Housing Board Colony Namnakala Ambikapur District - Surguja (C.G.) 497001 Email :-cmdcambikapur@gmail.com Mob:- 9425581270 Date of Appointement 25.09.2019 |
| 25 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | Shri Subhash Kujur Chhattisgarh Mineral Development Corporation Ltd. Village Narmadapur Post – Narmadapur District Surguja Email :- cmdcmainpat@gmail.com Mob:- 8349213976 Date of Appointement 11.12.2018 |
| 26 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Shri Subhash Kujur BE, Mining 2 Years Chhattisgarh Mineral Development Corporation Ltd. Village Narmadapur Post – Narmadapur District Surguja (C.G.) Email :- cmdcmainpat@gmail.com Mob:- 8349213976 Date of Appointement 11.12.2018 |
| 27 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Shri A.P. Shah |
| 28 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Mining Plan SRG/BX/MPNL-918/NGP Raipur Date 21.02.2006 |
| 29 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | Review of Mining Plan SRG/BX/MPNL-1148/2018 Raipur Date 22.05.2018 |
| 30 | Mineral(s) granted in lease and proved for mining | Bauxite |
| 31 | Method of Mining(Opencast, Underground) | Opencast |
| 32 | Category (Fully Mechanised, Others or Manual) | Semi Mechanised |
| 33 | Captive/Non Captive | Non Captive |
| 34 | EC for ROM Prod: Date of Issue: | No Valid EC |
| 35 | FA amount Rs Valid up to: | 13,47900=00 31.03.2023 |

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

| SN | Item | Proposals | Actual work | Remarks |
|----|--|--|-------------|---------|
| 1a | Backlog of previous year | 04 | Nil | |
| 1b | Exploration over lease area for Geological axis 1 or 2. | 04 | Nil | |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Not mentioned but CMDC LTD also exploration agency | NA | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Not mentioned specifically but approximately 2.0 ha. | Nil | |
| 1e | Balance reserves as on 01.04.2018 (million tons) | 0.154 | 0.154 | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | The exploration proposed not done as the mine is stopped due to lack of EC and process is going on for getting EC. | | |

2.0 Development

| SN | Item | Proposals | Actual work | Remarks |
|----|---|---|-------------|---------------------|
| 2a | Location of development w.r.t. lease area | The working proposal is given in Easter direction of lease areain between BP 16-17-19-20. | NA | Mine is non working |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | yes | NA | |
| 2c | Stripping ratio or ore to OB ratio | 1:0.37 | NA | |
| 2d | Quantity of topsoil generation in m3 | Nil | Nil | |
| 2e | Quantity of overburden generation in m3 | 11277.37 | Nil | |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | No comments as the mine is non working | | |

3.0 Exploitation

| | Item | Proposals | Actual work | Remarks |
|----|--|-------------------------------------|-------------|---------|
| 3a | Number of pits proposed for production | one | Nil | |
| 3b | Quantity of ROM mineral production proposed | 49997 | Nil | |
| 3c | Recovery of salable/usable mineral from ROM production | 60% | Nil | |
| 3d | Quantity of mineral reject generation | 40% | Nil | |
| 3e | Grade of mineral reject generation and threshold value declared | Below threshold | NA | |
| 3f | Quantity of sub-grade mineral generation | Nil | NA | |
| 3g | Grade of sub-grade mineral generation | NA | NA | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Manual | NA | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | NA | NA | |
| 3j | Provision of drilling & blasting in mineral benches | Yes | NA | |
| 3k | Provision of mining machineries in mineral benches | Yes | NA | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes | NA | |
| 3m | Total area covered under excavation/pits | Not mentioned specifically yearwise | Nil | |

| | | | | |
|----|---|--|--|---|
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0.37 | NA | |
| 3o | Total area put in use under different heads at the end of year | Not mentioned specifically yearwise | NA | |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2014-15: 29600 2015-16:27560 2016-17:29980 2017-18:29980 2018-19:49997 | 2014-15: 21886 2015-16:15626 2016-17:nil 2017-18:29980 2018-19:nil | 2019-20 till date also mine is nonworking |
| 3q | General remarks of inspecting officer on method of mining etc. | The method is proposed by opencast and working upto depth of 7 meth and concurrent backfilling but mining operation stopped due to EC. | | |

4.0 Solid Waste Management-Dumping

| SN | Item | Proposals | Actual work | Remarks |
|----|---|---|-------------|---------------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Yes | NA | |
| b | Location of topsoil, OB & mineral reject dumps | Temporarily dumping after that concurrent backfilling | NA | |
| 4c | Number of dumps within lease area and outside lease area | Temporarily dumping after that concurrent backfilling | NA | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | NA | NA | |
| 4e | Number of active & alive dumps | Nil | Nil | |
| 4f | Number of dead dumps | Nil | Nil | |
| 4g | Number of dumps stabilized | Nil | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | NA | NA | No major dump |
| 4i | Length of Retaining wall or garland drain all along dump | NA | NA | |
| 4j | Number of settling ponds | Nil | NA | |
| 4k | Specific comments of inspecting officer | Nil | | |

5.0 Solid Waste Management-Backfilling

| SN | Item | Proposals | Actual work | Remarks |
|----|--|---|-------------|---------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Concurrent backfilling proposed | NA | |
| 5b | Area under backfilling of mined out area | No proposal for backfilling in 2018-19 | NA | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Yes | NA | |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | Mining activity stopped and no working therefore no comments. | | |

6.0 Progressive Mine Closure Plan

| SN | Item | Proposals | Actual work | Remarks |
|----|---|---|--------------|---------|
| 6a | Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20. | Yes | No work done | . |
| 6b | Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year | Nil | Nil | |
| 6c | Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means | Nil | Nil | |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | 492 saplings | Nil | |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Proposal given for AAQ, Noise level survey and Water quality. | NA | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | Mine is non working so nil comments | | |

7.0 Mineral Conservation

| SN | Item | Proposals | Actual work | Remarks |
|----|--|---|-------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Grade wise sorting | NA | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Manual sorting | NA | |
| 7c | Different grade of mineral sorted out at mines | yes | NA | |
| 7d | Any beneficiation process at mines | Except manual sorting and sizing no beneficiation process | NA | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Nil | | |

8.0 Environment

| SN | Item | Proposals | Actual work | Remarks |
|----|---|-------------------------|-------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Yes | NA | |
| 8b | Concurrent use or storage of topsoil | Yes | NA | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Yes | NA | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Yes | NA | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Yes | NA | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | 0.491Ha. reclaimed area | NA | |
| 8g | Survival rate | Not mentioned | NA | |
| 8h | Water sprinkling on roads to control airborne dust | yes | NA | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are | Nil | | |

9.0 Compliance of Rule 45

| S. N. | Item | COMMENTS | Remarks |
|-------|-------------------------|---|---------|
| | Status of submission of | Annual return and mothly return upto date and | |

| | | | |
|--|----------------------------|---------------------------|--|
| | Monthly and Annual returns | AR submitted upto 2018-19 | |
|--|----------------------------|---------------------------|--|

| S. N. | Item | Details GIVEN in A.R. | Observation of I/Officer | Remarks |
|-------|---|-------------------------|---|---------|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Only Manager name given | Shri Yogesh Kumar Kosare | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Nil | No mining activity reported | |
| 9d | Scrutiny of Annual return on afforestation | Nil | | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | Nil | | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Nil | | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | Nil | production one place wrongly mentioned 26 tons but no dispatch or stock shown and working days reported nil | |
| 9i | Scrutiny of Annual return on fixed assets | Nil | | |
| 9k | Scrutiny of Annual return on mining machineries | Nil | | |

10.0 Details of violations observed during current inspection and compliance position of earlier violation pointed out:- The earlier violation pointed out is not complied as mine is non -working and stopped due to lack of EC from 2018 and process for getting EC is under process and therefore no violation pointed out during present inspection as well.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)

